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SHORT TERM RESPONSE ACTION (STRA) COMPLETION REPORT
DIKE ACCESS ROAD PROJECT
642 Allens Avenue/121 Terminal Road
Providence, Rhode Island

RIDEM Case No. 98-004 / File No. SR-28-1152

February 2020
File No. 03.0033554.61

PREPARED FOR:
Rhode Island Department of Environmental Management (RIDEM)
Providence, Rhode Island

ON BEHALF OF:
nationalgrid

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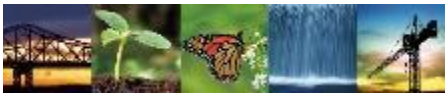

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February 7, 2020
File No. 03.0033554.61

Mr. Joseph Martella
Rhode Island Department of Environmental Management (RIDEM)
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Short Term Response Action (STRA) Completion Report
Dike Access Road Project
642 Allens Avenue/121 Terminal Road
Providence, Rhode Island
(A.P. 56 Lots 273 and 316)
RIDEM Case No. 98-004 / Site Remediation File No. SR-28-1152

Dear Mr. Martella:

On behalf of the Narragansett Electric Company d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA) has prepared the attached *Short Term Response Action (STRA) Completion Report* for the Dike Access Road Project located at the 642 Allens Avenue/121 Terminal Road property in Providence, Rhode Island (here referred to as the "Site"). The remedial actions described in the attached report were conducted in general accordance with the *Short Term Response Action Plan (STRAP) - Dike Access Road* dated June 29, 2016 and *STRAP Addendum – Dike Access Road* dated August 22, 2016. The STRAP was approved by the Rhode Island Department of Environmental Management (RIDEM) via issuance of a Short Term Response Action Approval Letter dated August 25, 2016.

The STRAP was implemented to address impacted soils encountered during the installation of a new access road (herein referred to as the "STRA Area") at the properties identified as City of Providence Tax Assessor Plat (A.P.) Lots 273 and 316. In accordance with their approval letter, RIDEM Office of Waste Management was notified of the project start date on August 30, 2016 by GZA. As described in the attached report, the STRAP work was performed between August 2016 and January 2020, and included installing erosion and sedimentation controls, miscellaneous demolition activities, grading and off-Site disposal of excess materials, soil management for the installation of select utilities installation of an engineered cap and restoration activities (fencing). The engineered cap included the installation of an integral stormwater management system, which consists of on-Site infiltration of treated stormwater via a deep sump catch basin and underground stormwater infiltration system.

National Grid prepared a *Public Involvement Plan (PIP)* for the Site, which was approved by RIDEM on June 28, 2017. Post-completion public notification requirements for this project have been performed consistent with both the August 2016 STRAP Approval Letter and the RIDEM approved PIP dated June 9, 2017.

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Additionally, we note that an addendum (STRAP Addendum: Holcim Driveway) to the June 29, 2016 *STRAP* was prepared to include work associated with a new driveway alignment for the Holcim Cement Facility at the Site. This STRAP Addendum was submitted to RIDEM on May 30, 2017. National Grid was informed that Holcim has determined that they will not move forward with this work. With submittal of this *STRA Completion Report*, we also request that this STRAP Addendum be formally withdrawn.

Should you have any questions or comments regarding the information presented herein, please do not hesitate to contact the undersigned or Amy Willoughby from National Grid at (781) 907-3644.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
Project Manager

James Clark, P.E.
Consultant/Reviewer

Margaret Kilpatrick, P.E.
Associate Principal

Attachments: *Short Term Response Action (STRA) Completion Report – Dike Access Road Project*

CC: Amy Willoughby, National Grid
Crystal Charbonneau, RIDEM Office of Water Resources

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1.0 INTRODUCTION

On behalf of The Narragansett Electric Company (TNEC) d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA) has prepared this *Short Term Response Action (STRA) Completion Report – Dike Access Road Project* for the former 642 Allens Avenue/121 Terminal Road Manufactured Gas Plant (MGP) located in Providence, Rhode Island (herein referred to as the "Site"). **Figure 1,** *Cover Sheet, Locus and Index to Drawings* presents a Site Locus Plan. The remedial actions described in this report were conducted in general accordance with the *Short Term Response Action Plan (STRAP) - Dike Access Road* dated June 29, 2016, *STRAP Addendum – Dike Access Road* dated August 22, 2016, as well as applicable provisions of the Rhode Island Department of Environmental Management (RIDEM) *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases* (Remediation Regulations, 250-RICR-140-30-1). The STRAP was approved by RIDEM via issuance of a *Short Term Response Action Approval Letter* dated August 25, 2016.

This *STRA Completion Report* was prepared in general accordance with Section 1.7 of the Remediation Regulations. It is subject to the Limitations provided in **Appendix A,** *Limitations* and may be modified if subsequent information is developed by GZA or any other party.

1.1 SUMMARY OF STRA ACTIVITIES

National Grid completed construction of a new dike access road (herein referred to as the "STRA" work) for the Liquefied Natural Gas (LNG) facility at the Site. The new dike access road runs from the LNG facility, along the southern extent of the existing dike, and extends to the southeastern portion of the dike area (herein referred to as the "STRA Area"). **Figure 2,** *Overall Aerial*, depicts the STRA Area in the southeastern portion of the Site. **Figure 3**, *Pre-Construction Site Plan*, presents the conditions in the STRA Area prior to remedial activities. Remedial actions described in the June 2016 STRAP were completed between August 31, 2016 and January 9, 2020 and included installing erosion and sedimentation controls, miscellaneous demolition activities, grading and off-Site disposal of excess materials, soil management for the installation of select utilities, installation of an engineered cap and restoration activities. The installation of the engineered cap included installation of an integral stormwater management system, which consists of on-Site infiltration of treated stormwater via a deep sump catch basin and underground stormwater infiltration system. Photos depicting select construction phases of the project are provided in **Appendix B,** *Construction Photos***.**

2.0 BACKGROUND

The following sections present a summary of relevant background information for the Site, with focus on the STRA Area, including relevant historical operations, regulatory history and status of the RIDEM-listed Site.

2.1 SITE DESCRIPTION

The Site is located at 642 Allens Avenue/121 Terminal Road in the southeastern portion of the City of Providence, Rhode Island and is identified as Assessor's Plat (A.P.) 56, Lots 5, 273, 316 and 317, and A.P. 101, Lot 1. The Site consists of approximately 42 acres with frontage on Allens Avenue to the west and bounded to the east by the Providence River. It is adjoined to the northwest by Triton Terminaling LLC, and to the south by Terminal Road, the former Sun Oil/Providence Port facility, and New England Bituminous Terminal Corporation. Currently the Site contains an active natural gas regulation and distribution, gas construction storage, an inactive compressed

natural gas (CNG) fueling station, a Liquefied Natural Gas (LNG) storage and distribution, and cement storage and distribution facility. As shown on **Figure 2**, the STRA Area associated with the dike access road consists of approximately 4 acres on the southeastern portion of the Site and is located on A.P. 56 Lots 273 and 316. This area is currently utilized for LNG operations (location of portion of containment dike for the LNG tank) and for storage in the cement distribution facility. The table below presents a summary of the current Site use:

A.P.	Lot	Current Owner	Address	Current Use(s)
101	1	TNEC	642 Allens Avenue 670 Allens Avenue	Natural Gas Construction Storage Natural Gas Regulation and Distribution Inactive CNG Fueling Station
56	5	TNEC	642 Allens Avenue	Natural Gas Construction Storage Natural Gas Regulation and Distribution
56	273	TNEC	139 Terminal Road	Cement Storage and Distribution
56	316	TNEC	121 Terminal Road	LNG Facility
56	317	TNEC	121 Terminal Road	Access Road

Site topography is generally level with gentle slopes towards the Providence River and is entirely enclosed and secured by chain-link fencing and barbed wire. Based on several rounds of investigations performed at the Site, subsurface conditions generally consist of urban fill underlain by organic silt, glacial outwash and glacial till. The depth to bedrock is more than 100 feet below ground surface (bgs). Groundwater is generally encountered within the fill unit, is classified as GB or not suitable for drinking water use without treatment and flows towards the tidally influenced Providence River.

A United States Army rifle range operated at the Site in the late 1800s, prior to the use of the Site as a MGP. From 1910 until 1954, a MGP operated at the Site producing coal gas, carbureted water gas, and high-BTU oil gas. MGP by-products were routinely managed through recovery, storage, recycling, reprocessing, and resale. Such by-products included coke, coal tar, ammonia, toluene, and benzene. B.P. Clapp operated an ammonia works at the 642 Allens Avenue property beginning in 1910 and managed the recycling and sale of ammonia by products. The United States Government operated a toluene facility at the Site for a short period of time during 1918. By 1954, coal gasification operations at the Site had ceased. From 1952 until the 1960s, a liquefied petroleum gas distribution plant operated on the Site. Gulf Oil had a facility at the Site to store kerosene from 1957 to 1971. A LNG facility has operated on the eastern and southeastern portions of the Site since 1972. The southeastern portion of the Site has been utilized for cement storage and distribution since 1961. Propane storage and distribution occurred at the Site from the 1960s to the 1980s for peak shaving purposes.

The STRA Area is located within the present-day LNG facility and cement distribution facility. This portion of the Site was the location of former coke ovens, former tar and ammonia tanks, a former gas tank (unknown whether this was above or below ground), a large building associated with the production of producer gas, a former quenching station, and for coal and bulk material storage associated with the former MGP. As noted above, the MGP was largely decommissioned in 1954 and these structures were demolished for the construction of the LNG facility in 1972. As described below, certain remedial actions were completed in the late 1990s in the STRA Area. As shown on **Figure 3,** an engineered cap was installed as part of these remedial actions. Historical features are shown on **Figure 4***, Exploration Location Plan*.

The STRA Area is currently utilized as a containment dike for LNG operations and for storage in the cement distribution facility. The current and foreseeable future use of the property and STRA Area is unlikely to change.

2.2 SITE REGULATORY HISTORY

RIDEM issued *a Letter of Responsibility (LOR)* dated February 13th, 1998 to Providence Gas Company for the Site due to certain soil and groundwater impacts at concentrations in excess of Method 1 standards as defined in the Remediation Regulations. The Site was listed as State Site #98-004 (RIDEM File No. SR-28-1152) following the issuance of the LOR.

Investigation activities have been conducted at the Site in several phases since 1994 and have been documented in several reports submitted to RIDEM.

Constituents detected include, total petroleum hydrocarbons (TPH), cyanide, polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs) and certain inorganic compounds (primarily arsenic and lead). Observations of light non-aqueous phase liquids (LNAPL) have been made in certain Site monitoring wells. In addition, MGP by-product materials (purifier box waste and other residual type materials), including within the Oxide Box Area, have been observed in certain former gas processing areas.

A *Soil Management Plan (SMP)* was developed for the Site and submitted to RIDEM on August 31, 2010; a revised SMP was later submitted on September 12, 2012. The SMP was prepared to establish procedures to be followed should construction or maintenance activities require the need to manage soils and/or groundwater at the Site. The SMP includes procedures for soil screening, disposal requirements, soil stockpile management and erosion controls, dust controls, capping requirements, decontamination protocols for equipment leaving the Site, requirements for import of soils, dewatering guidelines and management of non-soil debris (such as asphalt or concrete). The SMP is similar to what would be required with an Environmental Land Usage Restriction (ELUR) and has been followed at the Site for numerous facility projects.

GZA prepared a STRAP for the Dike Access Road Project that summarized the engineered capping, groundwater monitoring, and institutional controls that would be implemented as part of the project. This STRAP was submitted to RIDEM on June 29, 2016. A *STRAP Addendum* was submitted on August 22, 2016 which addressed comments received from RIDEM. A letter approving the June 2016 STRAP and August 2016 STRAP Addendum was issued by RIDEM on August 25, 2016. A copy of the STRAP approval letter is provided in **Appendix C,** *Permits and Other Approvals***.**

On September 6, 2016, RIDEM informed National Grid that they received a formal request for development of a Public Involvement Plan (PIP) with a *PIP Process Initiation Letter*. GZA, on behalf of National Grid, submitted the *PIP* to RIDEM OWM on October 28, 2016. A *revised PIP* was submitted to RIDEM on May 4, 2017. After responding to comments issued by RIDEM on June 2, 2017, the *PIP* was finalized on June 9, 2017. RIDEM issued a *Public Involvement Plan Approval Letter* on June 28, 2017. Consistent with the Remediation Regulations, and specifically Section 1.8.7E, the *PIP* was prepared to address relevant and applicable requirements of Sections 1.8.7 A, B, C and D of the Remediation Regulations. Per Rule 7.07 (Public Involvement), the PIP addresses the following primary elements: 1) Public Notice, 2) Fact Sheets and Enhanced Communication, 3) Community Meetings, and 4) Information Repositories. Given the approval timing of the PIP (after initiation of the STRA work described herein), the post-completion public notification requirements described in the August 2016 STRAP Approval letter and approved June 2017 PIP are both being followed for this project. Refer to Section 2.4 below for further details.

As discussed during a November 2013 meeting with RIDEM and subsequent project communications with RIDEM, National Grid anticipates submitting a Site Investigation Report (SIR) Addendum to document results of more recent investigation efforts in the future. The SIR Addendum will also present the preferred remedial approach for the Site and will consist of progressive engineered capping consistent with facility upgrades, groundwater

monitoring and institutional controls. The approach presented herein for the STRA Area is consistent with the overall remedy for the Site which is anticipated to be described in the SIR Addendum.

GZA notified RIDEM of the start of construction via email on August 30, 2016.

2.2.1 Holcim Driveway STRAP Addendum

An addendum to the June 29, 2016 *STRAP* was prepared to include work associated with a new driveway alignment for the Holcim Cement Facility at the Site. This STRAP Addendum was submitted to RIDEM on May 30, 2017. National Grid was informed that Holcim has determined that they will not move forward with this work. With submittal of this *STRA Completion Report*, we also request that this STRAP Addendum be formally withdrawn.

2.3 PERMITS AND OTHER APPROVALS

The *STRA* was implemented consistent with the following approvals:

- RIDEM Office of Waste Management, STRA Approval, dated August 25, 2016
- Coastal Resource Management Council (CRMC):
  - Finding of No Significant Impact (FONSI) Assent No. A2015-05-075, dated May 19, 2015
  - Maintenance Assent No. M2015-12-011, dated December 4, 2015
  - FONSI Assent No. A2016-07-020, dated July 8, 2016
  - Assent No. A2016-07-007, dated August 26, 2016
- RIDEM Office of Water Resources:
  - Water Quality Certification (WQC) 16-115, dated August 29, 2016
  - Groundwater Discharge (GWD)/Underground Injection Control (UIC) 001729, dated August 29, 2016
  - RIPDES General Construction Permit RIR101439, dated August 29, 2016

The project received CRMC FONSI assents and a maintenance assent to perform pre-characterization and select Site preparation activities. These activities were performed between August 9, 2016 and August 31, 2019. A copy of these assents are provided in **Appendix C**.

CRMC Assent A2016-07-007 was set to expire August 26, 2019. GZA submitted an extension request in June 2019. This one-year extension was approved by CRMC on July 17, 2019. A copy of the extension approval letter is provided in **Appendix C**.

A copy of all permits and approvals are provided in **Appendix C**.

2.4 PIP REQUIREMENTS

Per the requirements of the June 2017 PIP, and on behalf of the Narragansett Electric Co., GZA prepared the public notification attached in **Appendix D,** *Public Notification*. The public notice is intended to notify the public that the

STRAP activities for the Dike Access Road Project have been completed. The public notice was provided to the mailing list described in the Remediation Regulations (Section 1.7.6) and the Site-specific mailing list as described in the June 2017 PIP on January 17, 2020. The public notice was provided in English, Spanish, Portuguese, Cape Verdean Creole and Khmer.

3.0 STRA ACTIVITIES

This section describes the activities performed to implement the RIDEM-approved *STRAP*. These STRA activities were performed between August 31, 2016 (with certain Site preparation activities described herein which were initiated in early August 2016) and January 9, 2020.

3.1 CONSTRUCTION SUMMARY

As described in more detail herein, the construction activities associated with this RIDEM approved *STRAP* involved installing erosion and sedimentation controls, miscellaneous demolition activities, grading and off-Site disposal of excess materials, installation of select utilities, installation of an engineered cap and restoration activities (fencing). The engineered cap included installation of an integral stormwater management system, which consists of on-Site infiltration of treated stormwater via a deep sump catch basin and underground stormwater infiltration system. All imported soils were tested to ensure compliance with RIDEM Method 1 Residential Direct Exposure Criteria (R-DEC), in accordance with the testing frequency and analysis outlined in the RIDEM-approved *STRAP*.

Kiewit Power Constructors Inc. (Kiewit) of Lenexa, Kansas performed the majority of the construction activities described herein. GZA personnel were on-Site throughout construction to monitor compliance with the STRAP and other permits.

Construction activities were substantially complete by August 23, 2017, with follow up punchlist and other repair activities completed in June 2019. Work on the dike access road shut down over the winter from December 21, 2016 to March 27, 2017. The project was completed in January 2020, with the completion of the As-Built Survey.

The following attached figures were prepared to illustrate the completed STRA activities:

- **Figure 5** – *Remedial Cap Final Grading Plan*;
- **Figure 6** – *Installed Utilities and Stormwater Management Plan*; and
- **Figure 7** –*Remedial Cap Details*.

Engineered caps were designed to mitigate direct exposure to underlying impacted soils across the approximately 40,500 square feet (SF) (0.93 acre) STRA Area. The following describes the engineered caps installed:

- Asphalt Engineered Cap (approximately 15,500 SF): at least 8-inches of import aggregate base, 4-inches of base course asphalt overlain with 2-inches of top course;
- Crushed Stone Engineered Cap (approximately 14,500 SF): non-woven geotextile overlain by at least 12-inches of imported granular fill;

- Riprap Engineered Cap (approximately 3,500 SF): non-woven geotextile overlain by at least 12-inches of imported riprap; and

- Gabion Wall/Riprap Engineered Cap (approximately 7,000 SF): gabion baskets filled with riprap, geotextile fabric and clean imported dense grade (at least 24-inches of clean imported material).

The limits of each of these engineered caps is depicted on **Figure 5** and details showing cross sections of each cap type are provided on **Figure 7**. Kiewit also resurfaced select existing asphalt surfaces and added crushed stone and riprap to disturbed areas with the STRA Area.

The STRA work was surveyed by Tauper Land Survey, Inc. of Oxford, Massachusetts, with details depicted on the stamped as-built figures included in **Appendix E,** *Stamped As-Built Condition Plan*.

3.2 PROJECT OVERSIGHT, CONTRACTOR LIST AND EQUIPMENT UTILIZED

A representative of GZA was present on-Site full time during the work. GZA monitored and documented construction activities to ensure that relevant permits and approvals were followed and the work was performed consistent with the RIDEM approved STRAP. In addition, GZA performed perimeter air monitoring during intrusive activities. The results of the perimeter air monitoring are described in Section 3.14.

Kiewit Power Constructors Inc. of Lenexa, Kansas was the primary contractor for this work. Kiewit's subcontractors included:

- APC Corporation of Bridgewater, Massachusetts (MA) (vacuum excavation);

- Wallace Construction Corporation of Providence, Rhode Island (RI) (water line installation);

- EJ Prescott Lincoln, RI (hydrotesting water line);

- Murphy Electric and Industrial Control of Pembroke, MA (electrical utility installation);

- Narragansett Improvement Company of Providence, RI (paving services); and

- Mass Electric Company of Waltham, MA (electrical utility and general Site work).

National Grid also contracted the following companies:

- Alliance System Integrators of Plainview, New York (Security);

- Clean Harbors Environmental Services Inc. of Cranston, RI (water disposal);

- JP Noonan of Bridgewater, MA (water disposal);

- McGrath Fencing of Bridgewater, MA (fence installation); and

- Geologic Earth Exploration Inc. of Norfolk, MA (monitoring well repair).

Construction equipment utilized during this work included vacuum trucks, excavators, bulldozers, skid steers, dump trucks, vibratory plate compactors, vibratory rollers, pavers and hand equipment.

3.3 IMPORT MATERIAL CHARACTERIZATION

Bedding sand/stone dust, 6-inch minus gravel, 1.5-inch dense grade gravel, various gradations of riprap, 3/8-inch stone/pea stone, 1.5-inch crushed stone, 3-inch crushed stone and 4-6-inch crushed stone were imported to the Site as part of the STRA activities.

Prior to the import of the engineered soil materials (dense grade gravels), GZA personnel collected representative samples of import material from dedicated stockpiles at the supplying facility. Per the STRAP, analytical testing was required for any import material other than quarry run aggregate material (i.e., stone, riprap, bedding sand/stone dust) for TPH via EPA Method 8100M, VOCs via EPA Method 8260, Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Priority Pollutant Metals (PP-13) via EPA Method 6010 &7471A. Analytical sampling and testing was performed at a frequency of one sample per 2,000 cubic yards of imported material. Additional testing for arsenic and lead was required at a frequency of one sample per 500 cubic yards. Import characterization samples were collected and transported under chain-of-custody protocol to ESS Laboratories in Cranston, Rhode Island for analysis. No exceedances of the RIDEM Method 1 Residential Direct Exposure Criteria (R-DEC) were identified. Analytical results as well as associated chain-of-custody forms are presented in **Appendix F,** *Imported Materials Laboratory Reports*.

Kiewit obtained and provided certification from the import facility that the final surfacing materials were from a clean source. These certifications are included in **Appendix G,** *Quarry Certifications*.

The following table provides the total quantities of import material for the project, as documented by Kiewit:

CARDI Corporation, 400 Lincoln Avenue, Warwick, RI	
Material Type	**Quantity**
1.5-inch Dense Grade	3,638 CY

PJ Keating, 875 Phenix Avenue, Cranston RI	
Material Type	**Quantity**
1.5-inch Dense Grade	3,088 CY
Stone Dust	2,126 CY
3/8 inch stone/pea stone	278 CY
1.5 inch crushed stone	553 CY
2-4-inch riprap	242 CY
6-10-inch riprap	12 CY

Lorusso Corporation 3 Belcher Street, Plainville, MA	
Material Type	**Quantity**
3-inch stone	24 CY
4-6-inch stone	960 CY

3.4 SITE PREPARATION WORK

Prior to the start of work, Kiewit obtained clearance from Dig Safe. Site preparation began in August 2016 which consisted of performing test pit excavations using a vacuum truck to locate underground utilities, installing soil

erosion and sedimentation controls, limited demolition activities to remove obstructions, installing temporary construction fencing, installing soil management bins, and mobilizing construction trailer connex boxes and equipment.

3.4.1 Soil Erosion and Sedimentation Control Installation

Kiewit installed the following control measures to mitigate the potential migration of sediments and dusts and to control surface water flow during construction:

- Sedimentation and erosion control measures consisting of Filtrexx Soxx compost filter tubes were installed along the perimeter of the work area and around catch basins;
- Silt sacks were installed in catch basins in the STRA Area;
- A stone tracking pad was installed at the construction entrance to the STRA Area. The tracking pad was approximately 20-feet wide and 50-feet long and consisted of a 6-inch thick layer of 2-inch crushed stone;
- An asphalt pad surrounded by concrete blocks was installed to manage/stockpile clean import material; and
- Site soils were stockpiled on top of two layers of 6-mil polyethylene sheeting and were covered with polyethylene sheeting at the end of each workday. Soil stockpiles were also surrounded by Filtrexx Soxx.

Photos of these controls are included in **Appendix B**. In accordance with the RIDEM WQC/RIPDES permit, GZA inspected the sedimentation and erosion controls on a weekly basis and after major precipitation events. Repairs were made to erosion control devices when deficiencies were noted during inspections.

3.4.2 Test Pit Excavation Activities

Kiewit and their subcontractor APC Corporation performed test pit excavations utilizing a vacuum truck to locate existing underground utilities between August 9, 2016 to August 30, 2016. A total of 51 test pits were completed. All soils excavated during the test pit operations were used to backfill the excavations at the end of each workday. Soil samples were collected from these test pits for disposal pre-characterization.

3.4.3 Limited Demolition Activities

As part of the Site preparation activities, Kiewit demolished a portion of the fence on the south side of the existing dike wall to provide access to the STRA Area. Kiewit demolished the asphalt for the previous dike access road in May 2017. Any Site soils were brushed off the asphalt before the asphalt was removed from the Site. During the test pit excavations for the water line and electrical conduit described under Section 3.6, Kiewit encountered concrete obstructions. These obstructions were demolished utilizing a hoe-ram attachment to their excavator. The concrete debris was brushed clean and stockpiled on-Site. Concrete debris was hauled off-Site for recycling / disposal at D'Ambra Construction facility in Johnston, Rhode Island.

3.5 ENGINEERED CAP SUBGRADE PREPARATION

3.5.1 Retaining Wall Construction

As part of the subgrade preparation work for the new dike access road, Kiewit constructed gabion basket retaining walls. The locations of the retaining walls are depicted on **Figure 5**. Kiewit performed excavation for the

foundation of the gabion basket retaining walls. The excavations for walls 1 and 3 were approximately 2-feet deep below existing grade at the base of the dike wall. Walls 2 and 4 were cut into the existing dike wall/berm. During excavation, concrete obstructions were removed utilizing a hoe-ram excavator attachment. Concrete demolition debris was segregated from Site soils for off-Site disposal at D'Ambra Construction in Johnston, Rhode Island. Grossly contaminated soils (i.e., visually impacted) were segregated from soils deemed environmentally suitable (determined by GZA) and geotechnically suitable (determined by Kiewit) for reuse. The base of the retaining walls consisted of welded wire frame and geotextile fabric filled with 1.5-inch dense grade fill material. The welded wire frame continued up the slope for the gabion basket retaining walls. Riprap (3-6 inch) was installed on the outer face of the gabion basket retaining walls, with the majority of the fill consisting of 1.5-inch dense grade, with some suitable Site soils being utilized at least 12-inches below final surface. The fill material was installed in approximate 6 to 12-inch lifts and compacted with a vibratory roller or plate compactor. As the grade of retaining walls 1 and 3 were raised, portions of the dike wall/berm were excavated to accommodate walls 2 and 4. Kiewit began installing soil nails into the dike wall / berm in March 2017 to provide additional support for the retaining walls. Soil nailing was completed in May 2017. Kiewit completed filling and grading activities for the new dike access road in April 2017.

3.5.2 Asphalt Paved Area

Kiewit fine graded and compacted placed soils to prepare subgrade in the areas of the asphalt pavement cap installation for the access road. Kiewit installed concrete barriers along the edges of the access road in preparation for paving. Narragansett Improvement Company completed fine grading for the access road. The soils below the asphalt pavement were compacted in place by Kiewit with a vibratory drum roller.

3.6 UTILITY CONNECTIONS

Water line, drain line, electrical services and new lighting was installed as shown on **Figure 6.** All utility excavations were finished with engineered caps as described below in Section 3.8. Photos of the utility installation are included in **Appendix B**.

Wallace Construction Corp., herein referred to as Wallace (subcontractor to Kiewit) installed a drain line tie-in and water line tie-in south of the dike wall/berm in September 2016. Wallace also re-routed a water line south of the dike wall/berm.

Kiewit installed an additional water tie-in southeast of the LNG facility and installed a new water line with integral corrosion protection. The new water line runs parallel to the dike wall/berm on the south side and wraps around the dike wall/berm in the southwest corner. Kiewit backfilled the trench excavation for the water line. During backfilling activities, suitable Site soils (suitability determined as described above in Section 3.5.1) were utilized as backfill to the extent possible beneath the engineered cap. Kiewit installed several new fire hydrants.

Kiewit and their subcontractor Murphy Electric installed new electrical conduit for lighting along the new access road on the southern side of the dike wall. The trench excavation for the electrical conduit was backfilled with bedding sand and Site soils up to approximately 1-foot below ground surface. The electrical conduit runs from the LNG control building to the southeast corner of the dike wall.

New light posts were installed along the new Dike Access Road. The light posts were installed by performing vacuum excavation and installing pre-cast concrete structures to hold the light posts.

3.7 STORMWATER MANAGEMENT SYSTEM INSTALLATION

Components for the stormwater management system included pre-cast concrete deep sump catch basin and underground cultec infiltration system (herein referred to as the "cultec system"). The cultec system is approximately 20-feet by 40-feet and was constructed with approximately 25 cultec recharger 100HD units. The deep sump catch basin is approximately 8-feet in diameter and 9-feet deep (measured from the rim elevation). The approximate location of the cultec system (including inspection port) and deep sump catch basin are depicted on **Figure 6**.

Kiewit excavated an approximate 10-feet by 10-feet excavation for the installation of the deep sump catch basin. Groundwater was encountered at approximately 5-feet below ground surface. Excess groundwater from the excavation was pumped into a fractionation tank for off-Site disposal, as described in Section 3.9 below. Kiewit installed a pre-cast concrete deep sump catch basin. Following installation of the catch basin, Kiewit excavated an approximate 20 feet by 40 feet area to allow for installation of the cultec system. Two (2) feet of 1.5-inch washed stone was placed at the bottom of the excavation for the cultec system. Non-woven geotextile was installed over this washed stone. Approximately 6 additional inches of washed stone was then installed over this geotextile. Each chamber of the cultec system was then installed. The cultec system was backfilled with washed stone to approximately 1 foot over the top of the chambers. Kiewit then installed peastone over the area to match the surrounding surface cover inside the dike. The entirety of the stormwater management system is capped with at least 24-inches of clean stone material.

Two asphalt berms were installed at the base of the dike access road to help direct runoff to the deep sump catch basin. An asphalt cape cod berm was also installed along the concrete barriers for the roadway to help direct runoff to the deep sump catch basin.

Photos of the stormwater system installation are included in **Appendix B**.

In accordance with the RIDEM WQC/RIPDES permit, an Operations and Maintenance Plan (O&M Plan) was prepared for this stormwater management system. National Grid has been performing operations and maintenance for this stormwater management system since 2017.

3.8 ENGINEERED CAP INSTALLATION

3.8.1 Asphalt Pavement Cap

Asphalt pavement was installed over the entire footprint of the new dike access road. The asphalt pavement was installed by placement of at least 8-inches of aggregate base or imported 1.5-inch dense grade, 4-inches of asphalt binder course and a 2-inch final surface course (as shown on **Figure 7**). The asphalt was compacted with a vibratory roller. The total pavement cap thickness is a minimum of 6-inches thick. The as-built extent and final elevations for the asphalt areas are depicted on **Figure 5**.

Additionally, select areas of existing asphalt pavement were resurfaced as part of the STRA work. The extent of the asphalt resurfacing is depicted on **Figure 6**.

3.8.2 Riprap Cap

Riprap was installed as part of the gabion basket retaining wall. Riprap was also used to cap portions of the existing dike wall that were disturbed during the installation of the gabion basket retaining wall. Areas of riprap were

installed consistent with the detail shown on **Figure 7**. The total riprap cap thickness was at least 12-inches thick. The as-built extent and final elevations for the riprap areas are depicted on **Figure 5**.

3.8.3 Crushed Stone Cap

Crushed stone was used to cap areas at the base of the dike wall and new access road that were disturbed as part of the project. These areas include the area disturbed for the installation of the cultec system, new waterline, new electrical line, the base of the access road that leads to the LNG control building and the area utilized for the soil bins. Crushed stone caps were installed consistent with the details shown on **Figure 7**, with final thicknesses of at least 12-inches of crushed stone underlain by a geotextile. The as-built extent and final elevations for the crushed stone areas are depicted on **Figure 5**.

3.9 DEWATERING AND CONSTRUCTION WATER DISPOSAL

Dewatering was required several times during the STRA work, primarily while excavating for the water line, catch basin installation, and utility tie-in excavations. All construction water was containerized for off-Site disposal within on-Site fractionation tanks. No construction water or dewatering fluids were infiltrated at the Site. Approximately 52,880 gallons of construction water was disposed off-Site at Clean Harbors Environmental Services, Inc. in Braintree, Massachusetts under Bills of Lading (BOLs). Approximately 1 ton of soil was generated during the decontamination of the fractionation tanks. The sediment/soil from the frac tank decontamination process was disposed of with other excess site soils under BOL at ESMI in Louden, New Hampshire. Copies of all manifest(s) and BOLs documenting the off-Site disposal of these materials is included in **Appendix H,** *Soil Disposal Documentation* and **Appendix I,** *Groundwater Disposal Documentation***.**

3.10 EXCESS SOIL DISPOSAL

All excess soil generated during the STRA work that could not be reused below final engineered caps was transported off-Site at ESMI in Louden, New Hampshire for thermal desorption treatment/recycling.

Prior to off-Site transport, a total of seventeen (17) representative samples were collected from the stockpiled soil and analyzed for total metals via EPA Methods 6010C, 6020A and 7471B, VOCs via EPA Method 8260B, organochloride pesticides via EPA Method 8081B, poly-chlorinated biphenyls (PCBs) via EPA Method 8082A, TPH via EPA Method 8100M, chlorinated herbicides via EPA Method 8151A, SVOCs via EPA Method 8270D, conductivity via EPA Method 9050A, pH via EPA Method 9045, flashpoint via EPA Method 1010, reactive cyanide via EPA Method 7.3.3.2, reactive sulfide via EPA Method 7.3.4.1, toxicity characteristic leaching procedure (TCLP) lead via EPA Methods 1311 and 6010C, TCLP VOCs via EPA Methods 1311 and 8260B, total cyanide via EPA Method 9014 and total sulfur via EPA Method D4239 based on the frequency and testing parameters required by ESMI.

Approximately 3,232 tons total of excess soil was transported off-Site to ESMI. Copies of laboratory reports, all manifest(s) and BOLs documenting the off-Site disposal of these soils is included in **Appendix H**.

3.11 FENCING AND GATE INSTALLATION

As shown on **Figure 5**, chain-link fencing was installed in portions of the STRA Area to delineate the dike access road. Fencing was either finished with barbed wire or razor wire. A new gate to the access road from the LNG control building was also installed.

3.12 MONITORING WELL DECOMMISSIONING AND REPLACEMENT

All the wells that were located in the Dike Access Road Project area (RCA-29, RCA-33, RCA-38, VHB-13, ESS RW-1 and ESS RW-2) were decommissioned in late June – early July 2016. Each well was decommissioned in accordance with Appendix 1 of RIDEM's June 2010 *Groundwater Quality Rules* and as proposed in GZA's letter dated May 26, 2016 to RIDEM. A GZA field engineer was on Site to record well decommissioning activities and a decommissioning log was prepared for each location. Copies of well decommissioning logs are included in **Appendix J**, *Monitoring Well Decommissioning Logs*.

During the STRA work, Kiewit encountered RCA-31 as part of their work activities. The location of RCA-31 is shown on **Figure 4**. Geologic Earth Explorations, Inc. repaired this monitoring on August 11, 2017.

As noted in previous submittals to RIDEM, several projects are ongoing at the Site. After these projects are completed at the Site (currently anticipated to be in 2022), select monitoring wells will be replaced/installed and the proposed post-development groundwater monitoring program will be implemented. We currently anticipate that one monitoring well will be replaced (RCA-29R) and two (2) new monitoring wells (GZ500S and GZ-500D) will be installed at the locations shown on figures provided in the June 29, 2016 STRAP. GZA, on behalf of National Grid, will submit a Site Investigation Work Plan (SIWP) with final proposed locations to RIDEM for review and comment prior to performing this work. The SIWP will also include a summary of the proposed groundwater monitoring program, including sampling frequency and parameters.

3.13 HEALTH AND SAFETY

Prior to initiating STRA activities, Kiewit prepared a written Site-specific health and safety plan, which were adhered to during the work. Kiewit, National Grid, and GZA representatives attended a daily safety meeting before starting work each day. During the safety meeting the project team discussed the work to be performed for the day, and identified potential hazards associated with the work including environmental concerns. The remedial activities described herein were completed without any reported worker health and safety issues.

3.14 PERIMETER AIR MONITORING RESULTS

In accordance with the RIDEM-approved STRAP and STRAP Addendum, real time air monitoring was performed during all STRA activities involving the use of the following handheld instrumentation:

- Portable Photoionization Detector (PID) MiniRAE – this instrument measured total volatile organic compounds (TVOC) with a detection limit of 1.0 parts per million (ppm). TVOC readings were measured at the perimeter of the STRA Area approximately every two hours during each day or more frequently depending on field conditions (at least four times a day).

- DustTRAK Dust Meter – this dust meter used infrared electromagnetic radiation to sense airborne particles less than 10 microns in size. The detection limit for this instrument was 1 microgram per cubic meter (µg/m3). Similar to the PID, the readings from this handheld instrument were measured at the perimeter of the STRA Area approximately every two hours during each day or more frequently depending on field conditions (at least four times a day).

The following table presents the real-time monitoring threshold levels for the perimeter of the STRA Area.

Real-Time Perimeter *STRA* Work Area Action Levels	
Compound	**Perimeter of *STRA* Work Area**
Total Volatile Organic Compounds (TVOC)	1.0 ppm
Respirable Particulate Dust (PM_{10})	150 µg/m^3

The PID and DustTRAK Dust Meter were calibrated at the beginning of each day. Regular monitoring was conducted at the perimeter of the STRA Area. A summary table of the air monitoring results is provided as **Appendix K**, *Perimeter Air Monitoring Results*. As presented in **Appendix K**, results of the real-time monitoring were below the Action Levels for the constituents monitored.

4.0 CERTIFICATION

To address Section 1.7.10 of the Remediation Regulations, the following certifications of completeness are provided:

GZA certifies that the information provided in this Short Term Response Action Completion Report is complete and accurate to the best of GZA's knowledge.

Margaret S. Kilpatrick, P.E.
Associate Principal
GZA GeoEnvironmental, Inc.

Amy Willoughby, representative of the Narragansett Electric Company d/b/a National Grid, certifies to the best of her knowledge that this Short Term Response Action Completion Report is a complete and accurate representation of the circumstances known about the release and the subsequent response activities.

Amy Willoughby
Program Manager
National Grid

Figures

NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

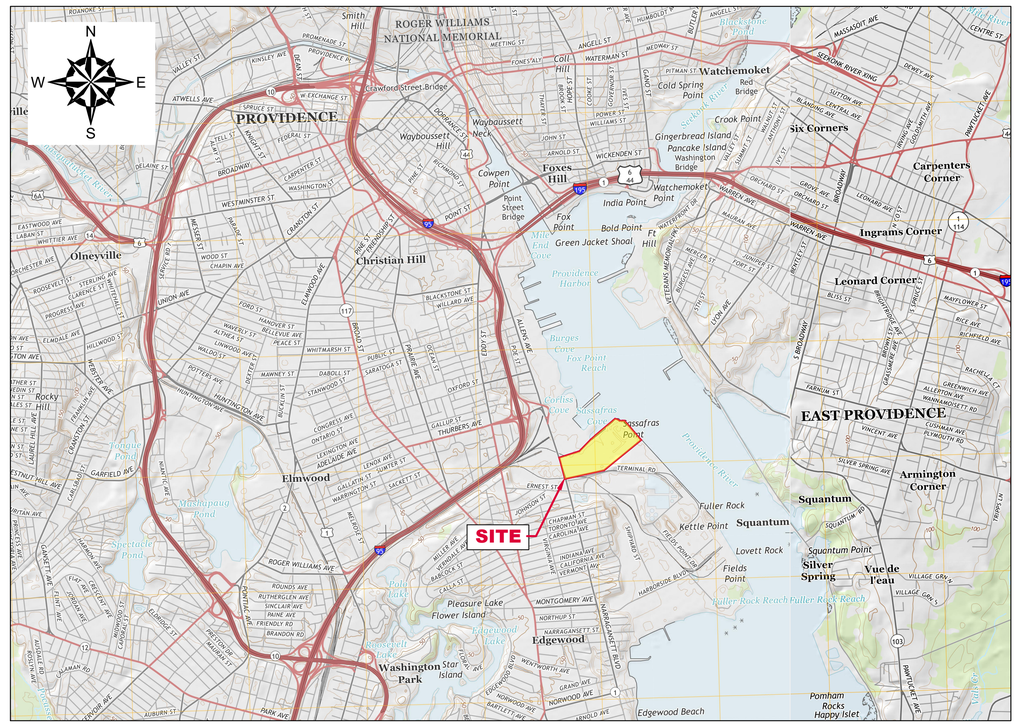
FEBRUARY 2020

PREPARED FOR:

nationalgrid

PREPARED BY:

GZA GEOENVIRONMENTAL, INC.
188 VALLEY STREET, SUITE 300
PROVIDENCE, RHODE ISLAND 02909



LOCUS MAP

SOURCE: USGSSTORE.GOV

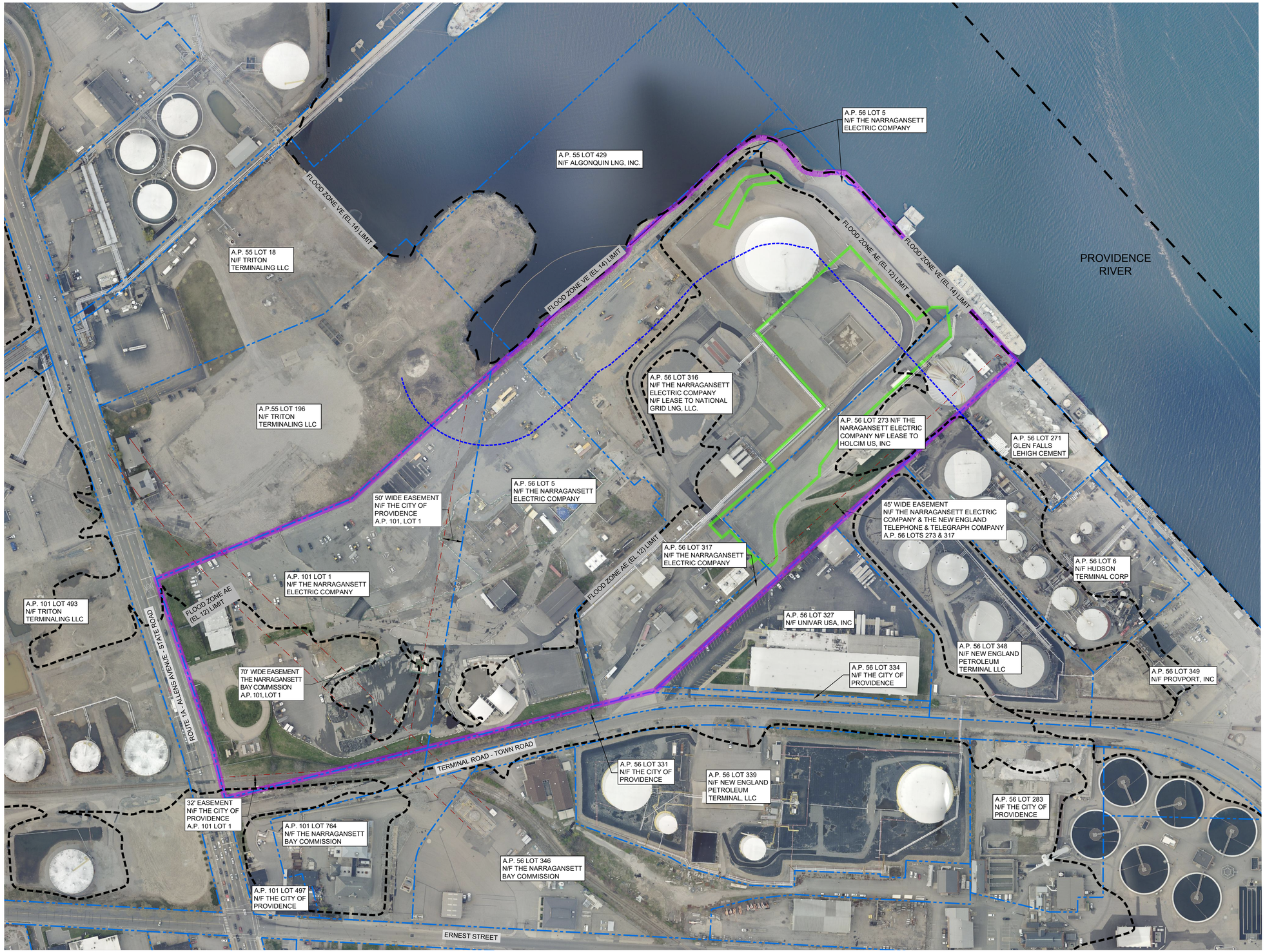
0 1000' 2000' 4000' 6000'

SCALE: 1 INCH = 2000 FEET

INDEX OF DRAWINGS	
SHEET #	TITLE
1	COVER SHEET, LOCUS AND INDEX TO DRAWINGS
2	OVERALL AERIAL
3	PRE-CONSTRUCTION SITE PLAN
4	EXPLORATION LOCATION PLAN
5	REMEDIAL CAP FINAL GRADING PLAN
6	INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN
7	REMEDIAL CAP DETAILS

FOR PERMITTING ONLY

THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY NATIONAL GRID OR THE NATIONAL GRID'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA AND NATIONAL GRID. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA AND NATIONAL GRID, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA AND NATIONAL GRID.



LEGEND:

- PROPERTY LINES
- 642 ALLENS AVENUE FORMER MGP SITE
- CRMC 200-FOOT JURISDICTIONAL LINE
- STRA AREA
- EASEMENT AREA
- FLOOD ZONE VE (EL. 14) LIMIT
- FLOOD ZONE AE (EL. 12) LIMIT

REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM RHODE ISLAND'S RIGIS AERIAL IMAGERY PUBLISHED IN APRIL 2019.
2. PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
3. EASEMENT LOCATIONS WERE DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG. PLANS PROVIDED BY NATIONAL GRID.
   - DESCRIPTIONS PROVIDED IN THE CITY OF PROVIDENCE DEED BOOK (BK) 470 PAGES 224 - 229, BK 561 PAGES 326 - 328, BK 1111 PAGES 752 -756 AND BK 5249 PAGES 219 - 322.
4. FLOOD ZONE HAZARD AREA DATA WERE PROVIDED BY RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS) AND DERIVED FROM STATEWIDE DIGITAL FLOOD INSURANCE RATE MAP (DFIRM) DATABASE, ORIGINALLY PUBLISHED BY FEMA IN OCTOBER 2015.
5. SITE BOUNDARIES ARE APPROXIMATE.

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N W E S

0 60' 120' 240' 360'
SCALE IN FEET 1" = 120'

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NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

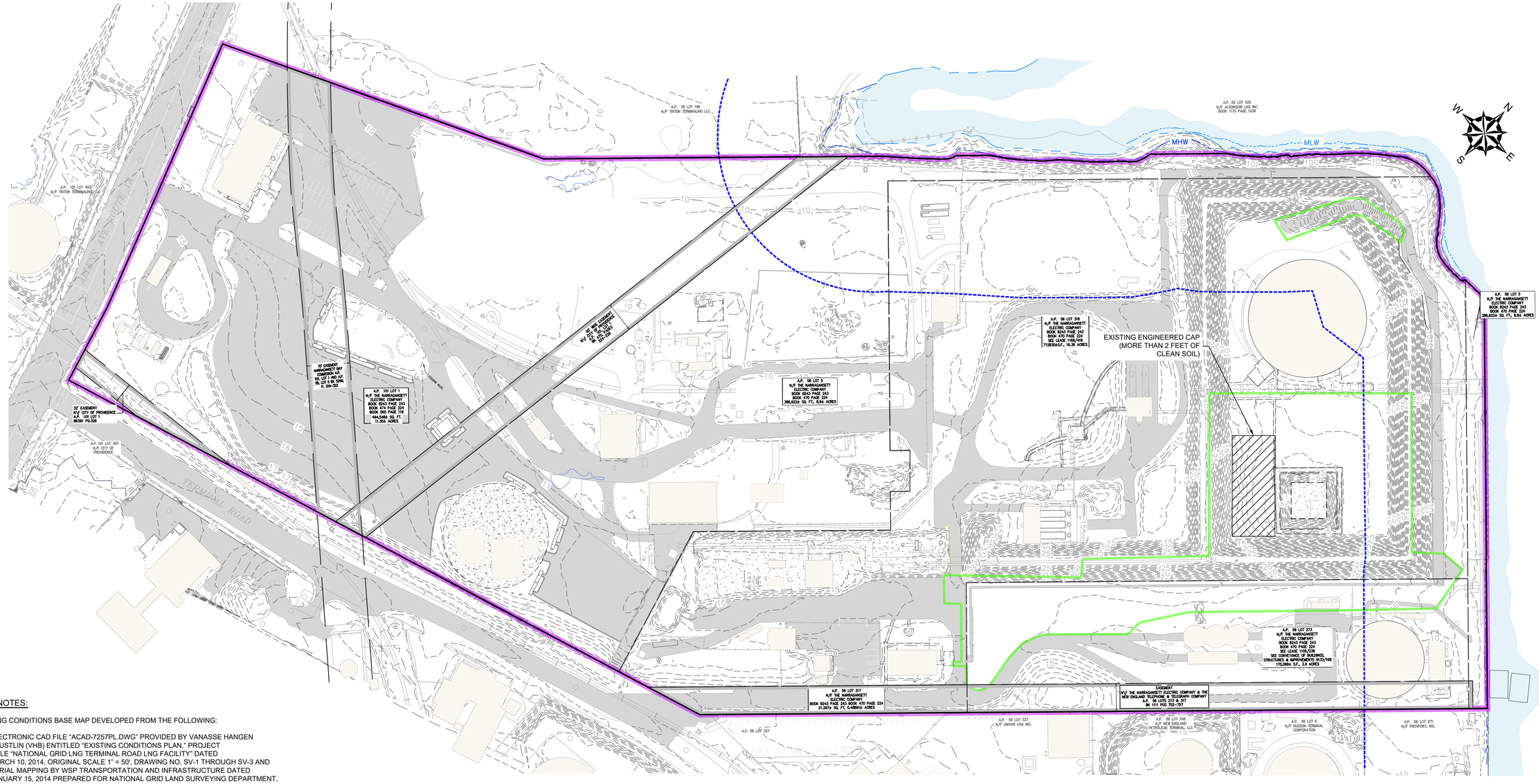
OVERALL AERIAL

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com

PREPARED FOR: nationalgrid

PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE 2
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. ----	SHEET NO. 2 OF 7

2020- GZA GeoEnvironmental, Inc. GZA-J:\DWG\33554.61\SRV\FIGURES\CAD\OWGS\2_33554.61_OVERALL AERIALDWG OVERALL AERIAL FEBRUARY 4, 2020 2:01 PM LISA THERAULT



0 40' 80' 160' 240'

SCALE IN FEET 1" = 80'

FOR PERMITTING ONLY

GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:

- ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG

- ELECTRONIC CAD FILE "3654 642 ALLENS AVE ASBUILT.DWG", PREPARED BY A-PLUS CONSTRUCTION SERVICES CORPORATION FOR CHARTER ENVIRONMENTAL, TITLED "AS-BUILT PLAN," SHEET 1 TITLED "SUB GRADE" AND SHEET 2 TITLED "FINISH GRADE," DATED DECEMBER 16, 2016 AND PROVIDED TO GZA ON MARCH 23, 2017

- ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2019.

2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.

3) SITE BOUNDARIES ARE APPROXIMATE.

4) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.

5) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

6) EASEMENT LOCATIONS WERE DEVELOPED FROM THE FOLLOWING:

- ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG. PLANS PROVIDED BY NATIONAL GRID.

- DESCRIPTIONS PROVIDED IN THE CITY OF PROVIDENCE DEED BOOK (BK) 470 PAGES 224 - 229, BK 561 PAGES 326 - 328, BK 1111 PAGES 752 -756 AND BK 5249 PAGES 219 - 322.

LEGEND:

- EXISTING STRUCTURE
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- PAVEMENT
- EASEMENT AREA
- PROPERTY LINE
- INTERIOR PROPERTY LINE
- STRA AREA
- 200-FOOT CRMC JURISDICTIONAL LIMIT
- 642 ALLENS AVENUE FORMER MGP SITE
- MEAN HIGH WATER
- MEAN LOW WATER
- ABUTTING PROPERTY LINE
- EDGE OF WATER
- EXISTING RAILROAD TRACKS
- EXISTING FENCE
- EXISTING CONCRETE PAD
- UTILITY POLE
- LIGHT POLE
- HYDRANT

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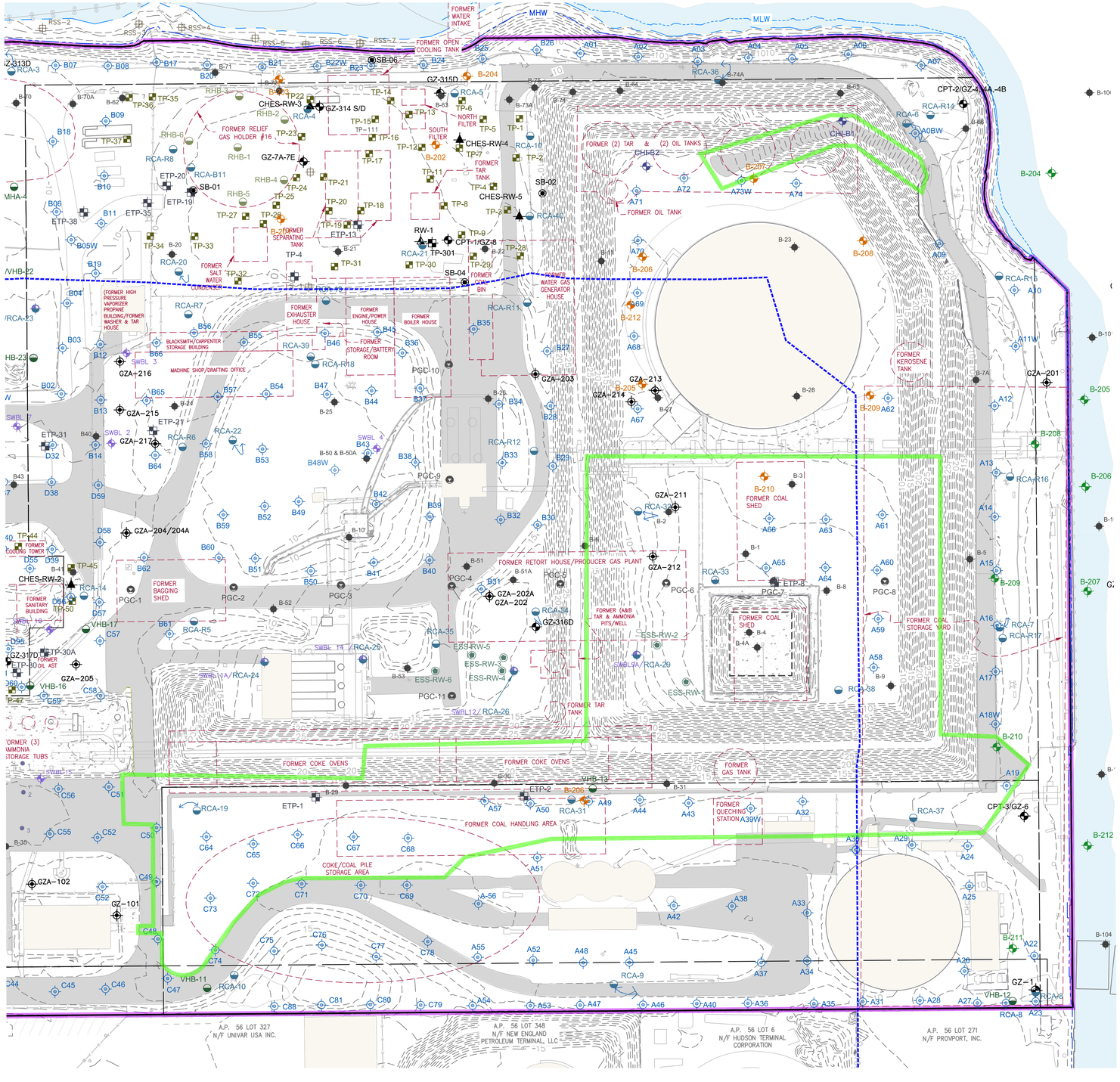
NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

PRE-CONSTRUCTION SITE PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE 3
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. 0	SHEET NO. 3 OF 7

2020© GZA GeoEnvironmental, Inc. GZA-J:\ENV\33554.61.3N\FIGURES\CAD\DWGS\3_33554.61_EX COND.DWG EXISTING CONDITIONS PLAN - SITE FEBRUARY 4, 2020 2:07 PM LISA THERMAULT



GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:

- ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG.
- ELECTRONIC CAD FILE "3654 642 ALLENS AVE ASBUILT.DWG", PREPARED BY A-PLUS CONSTRUCTION SERVICES CORPORATION FOR CHARTER ENVIRONMENTAL, TITLED "AS-BUILT PLAN," SHEET 1 TITLED "SUB GRADE" AND SHEET 2 TITLED "FINISH GRADE," DATED DECEMBER 16, 2016 AND PROVIDED TO GZA ON MARCH 23, 2017
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2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.

3) EXPLORATION LOCATION PLANS WERE DEVELOPED FROM THE FOLLOWING:

- SITE PLANS PROVIDED BY RESOURCE CONTROLS ASSOCIATES (RCA) IN THE RIDEM-SUBMITTED JULY 5, 1994 "SITE CHARACTERIZATION PLAN" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY RCA IN THE RIDEM-SUBMITTED JUNE 28, 1996 "PHASE IB FIELD CHARACTERIZATION INVESTIGATION" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY ENVIRONMENTAL SCIENCE SERVICES, INC. (ESS) IN THE RIDEM-SUBMITTED DECEMBER 4, 1998 "REMEDIAL ACTION WORK PLAN (RAWP)" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY ESS IN THE RIDEM-SUBMITTED OCTOBER 21, 1999 "SUBSURFACE INVESTIGATION AND PROPOSED ALGONQUIN GENERATOR CONSTRUCTION AREA" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED NOVEMBER 2002 "REMEDIAL ACTION CLOSURE REPORT" PREPARED ON BEHALF OF THE NEW ENGLAND GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED APRIL 2003 "SITE INVESTIGATION REPORT" PREPARED ON BEHALF OF THE NEW ENGLAND GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED JANUARY 26, 2009 "OXIDE BOX INVESTIGATION TECHNICAL MEMORANDUM" PREPARED ON BEHALF OF NATIONAL GRID. PLANS PROVIDED BY NATIONAL GRID.
- FIGURE 3 "EXPLORATION LOCATION PLAN" PREPARED BY GZA GEOENVIRONMENTAL, INC. (GZA) ON BEHALF OF CHICAGO BRIDGE AND IRON (CB&I) IN JULY 2005. PLANS PROVIDED BY NATIONAL GRID.
- FIGURE 35 "TEST BORINGS UNDER SASSAFRAS POINT PLAT" DATED JUNE 5, 1912 PREPARED BY THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- DRAWING 3 "WHARF FACILITIES - BULKHEAD REBUILDING - CROSS SECTIONS" DATED JANUARY 11, 1973 PREPARED BY PARSONS, BRINCKERHOFF, QUADE AND DOUGLAS ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- FIGURE 2 "EXPLORATION LOCATION PLAN," DATED SEPTEMBER 18, 2015, BY WEIDLINGER ASSOCIATES, INC. (WEI) ON BEHALF OF KIEWIT CORPORATION (KIEWIT). PLAN PROVIDED BY NATIONAL GRID.
- ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG. PLANS PROVIDED BY NATIONAL GRID.
- ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2015.

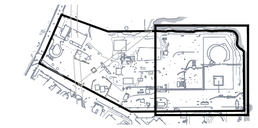
4) THE LOCATION OF THE EXPLORATIONS AND MONITORING WELLS AT THE SITE WERE APPROXIMATELY DETERMINED AND HAVE BEEN ALIGNED AND ADJUSTED FOR THE "BEST FIT" AND THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

5) APPROXIMATE HISTORICAL STRUCTURE/EQUIPMENT LOCATIONS AND DATES WERE OBTAINED FROM THE FOLLOWING SOURCES:

- CERTIFIED SANBORN MAPS DATED: 1950, 1956, 1972, 1977 AND 1982
- AERIAL ORTHOPHOTOGRAPHIC IMAGES OBTAINED FROM RIGIS: 1939, 1951, 1962, 1972, 1976, 1981, 1988, 1992, 1995, 1997, 2002, 2008
- SITE PLANS PROVIDED BY RESOURCE CONTROLS ASSOCIATES (RCA) IN THE RIDEM-SUBMITTED JULY 5, 1994 "SITE CHARACTERIZATION PLAN" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
- HISTORIC SITE PLAN "GENERAL PLAN OF WORKS, PROVIDENCE GAS COMPANY, SASSAFRAS POINT PLANT, PROVIDENCE, RHODE ISLAND." UNDATED. PLANS PROVIDED BY NATIONAL GRID.

6) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.

7) VERTICAL DATUM IS BASED ON NAVD 1988 (MSL) FROM BASE MAPPING PROVIDED BY VHB.



KEY PLAN:
SCALE: 1"=800'

LEGEND:

- EXISTING STRUCTURE
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- EXISTING PAVEMENT
- PROPERTY LINE
- INTERIOR PROPERTY LINE
- HISTORIC STRUCTURE OR FEATURE
- STRA AREA
- 200-FOOT CRMC JURISDICTIONAL LIMIT
- 642 ALLENS AVENUE FORMER MGP SITE
- UTILITY POLE
- LIGHT POLE
- HYDRANT

EXPLORATION LEGEND:

VHB-7	ENVIRONMENTAL BORING OBSERVED BY VHB IN 2002 AND 2003
F47	ENVIRONMENTAL BORING OBSERVED BY ESS IN 1999 AND 2000
RCA-40	ENVIRONMENTAL BORING OBSERVED BY RCA BETWEEN 1994-1996
ETP-4	ENVIRONMENTAL TEST PITS OBSERVED BY RCA IN 1995 AND 1996
ESS-RW-1	RECOVERY WELL INSTALLED BY ESS IN 1999 AND 2000
CPT-3/GZ-	GEOTECHNICAL BORING OBSERVED BY GZA IN 2004
SWBL13	GEOTECHNICAL BORING OBSERVED BY SWEC IN 1995
B-207	GEOTECHNICAL BORING PERFORMED FOR PROVIDENCE GAS COMPANY IN 1973
B-25	GEOTECHNICAL BORING OBSERVED BY HALEY & ALDRICH IN 1971 AND 1972
PGC-8	GEOTECHNICAL BORING PERFORMED FOR PROVIDENCE GAS COMPANY IN 1912
B-211	GEOTECHNICAL BORING PERFORMED BY GOLDER ASSOCIATES IN 2016
W155	CONFIRMATORY SOIL SAMPLE LOCATION COLLECTED BY ESS IN 1999
CHI-B1	GEOTECHNICAL BORING PERFORMED BY CHI IN 2014

FOR PERMITTING ONLY

0 25 50 100 150
SCALE IN FEET 1" = 50'

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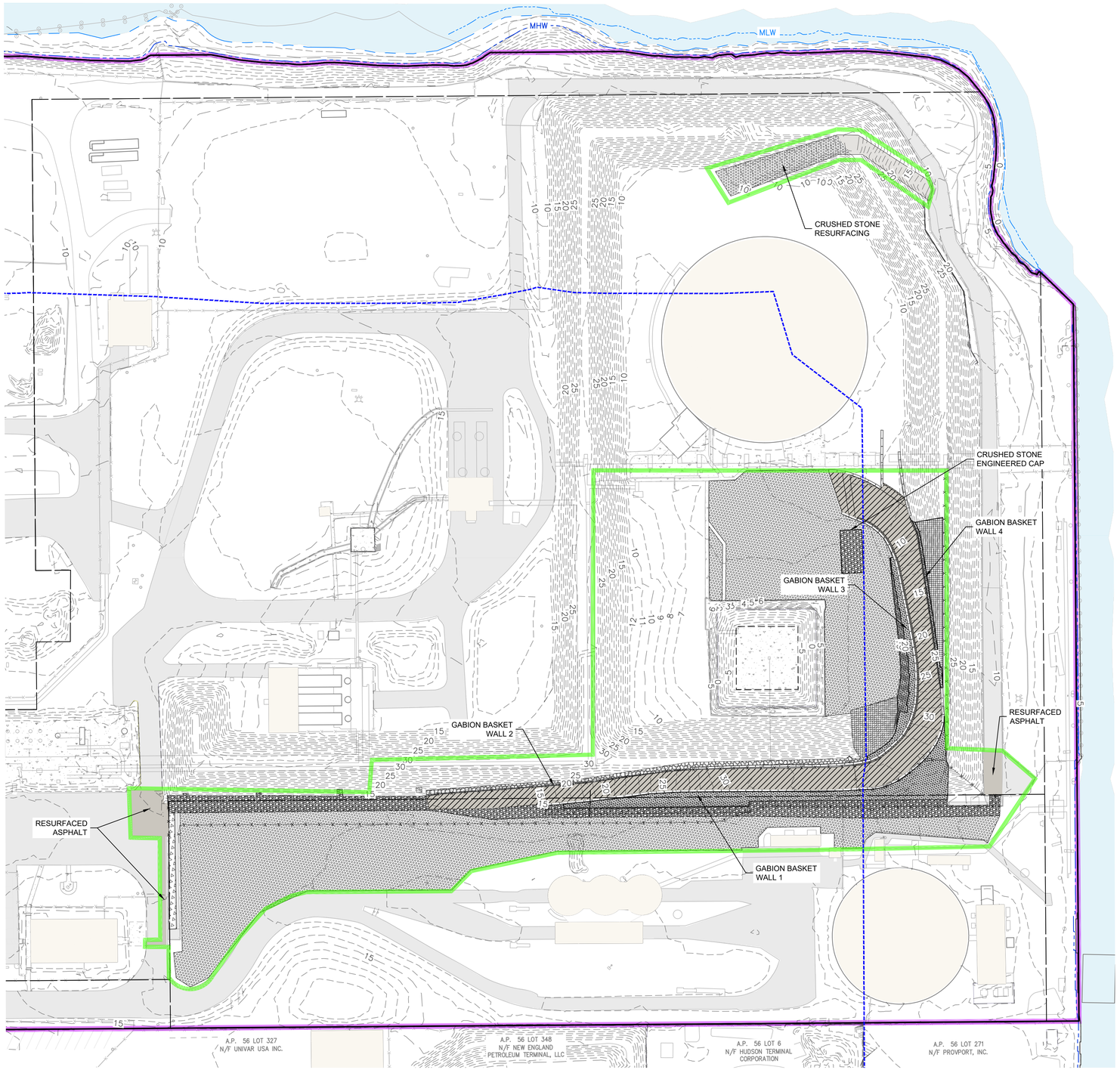
NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

EXPLORATION LOCATION PLAN

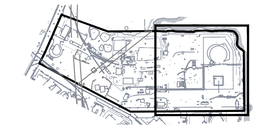
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE 4
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. 0	SHEET NO. 4 OF 7

2020– GZA GeoEnvironmental, Inc. GZA-J:\ENV\33554.61\SKYFIGURES\AD\WRSK\4_33554.61_EXP.DWG EXISTING CONDITIONS PLAN – SITE FEBRUARY 4, 2020 2:23 PM LISA THERRALT



LEGEND:

- PROPERTY LINES
- INTERIOR PROPERTY LINES
- CURRENT GRADING CONTOUR (MAJOR 5 FOOT INTERVAL)
- CURRENT GRADING CONTOUR (MINOR 1 FOOT INTERVAL)
- 200-FOOT CRMC SETBACK
- 642 ALLENS AVENUE FORMER MGP SITE
- STRA AREA
- EXISTING PAVEMENT
- EXISTING BUILDING
- RESURFACED ASPHALT
- INSTALLED ASPHALT ENGINEERED CAP (2" TOP COURSE, 4" BASE COURSE, 8" AGGREGATE BASE)
- INSTALLED CRUSHED STONE ENGINEERED CAP (AT LEAST 12" CLEAN GRANULAR IMPORT, NON-WOVEN GEOTEXTILE)
- RIP RAP ENGINEERED CAP (AT LEAST 12" RIP RAP, NON-WOVEN GEOTEXTILE)
- GABION BASKET/RIP RAP ENGINEERED WALL (AT LEAST 24" CLEAN MATERIAL)
- RIP RAP RESURFACING AREA
- CRUSHED STONE /PEASTONE RESURFACING
- JERSEY BARRIERS
- CAPE COD BERM
- NEW FENCE



KEY PLAN:

SCALE: 1"=800'

GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
   - ELECTRONIC CAD FILE "3654 642 ALLENS AVE ASBUILT.DWG", PREPARED BY A-PLUS CONSTRUCTION SERVICES CORPORATION FOR CHARTER ENVIRONMENTAL, TITLED "AS-BUILT PLAN," SHEET 1 TITLED "SUB GRADE" AND SHEET 2 TITLED "FINISH GRADE," DATED DECEMBER 16, 2016 AND PROVIDED TO GZA ON MARCH 23, 2017
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2019.
2) AS-BUILT DEVELOPED FROM AN ELECTRONIC CAD FILE "19-NG-20_TERMINAL-RD PROVIDENCE.DWG," PREPARED BY TAUPER LAND SURVEY, INC. ON DECEMBER 30, 2019 FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS.
3) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
4) SITE BOUNDARIES ARE APPROXIMATE.
5) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.
6) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

FOR PERMITTING ONLY

0 25 50 100 150
SCALE IN FEET 1" = 50'

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NATIONAL GRID
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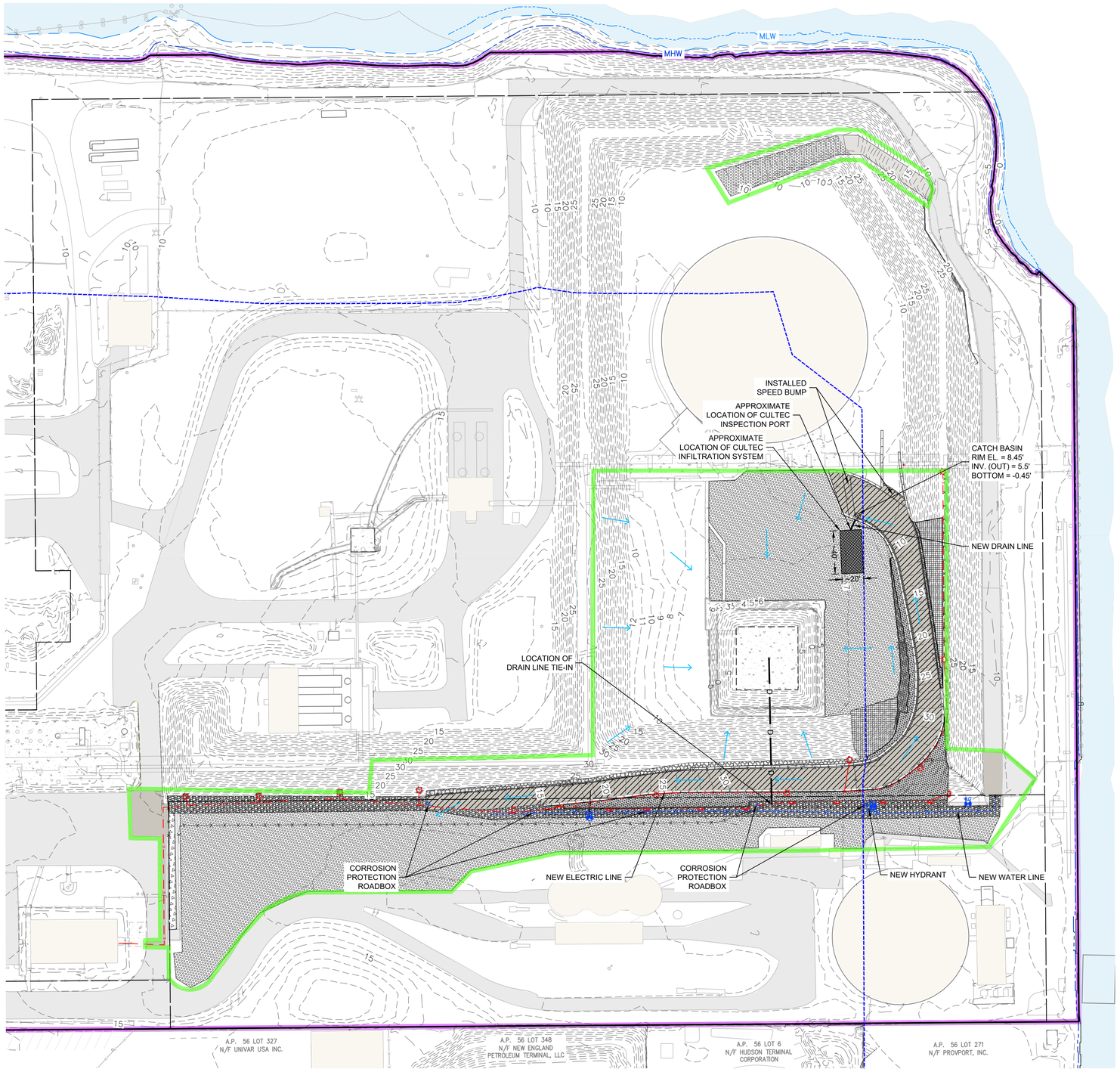
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

REMEDIAL CAP FINAL GRADING PLAN

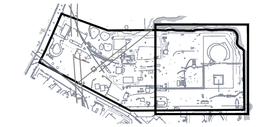
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE 5
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. 0	SHEET NO. 5 OF 7

2020- GZA GeoEnvironmental, Inc. GZA-J:\ENV\33554.61\DWG\FIGURES\CAD\DWGS\5_33554.61_REMEDIAL CAP FG PLAN.DWG 5 FEBRUARY 4, 2020 2:28 PM LISA THERNALT



LEGEND:

- PROPERTY LINES
- INTERIOR PROPERTY LINES
- CURRENT GRADING CONTOUR (MAJOR 5 FOOT INTERVAL)
- CURRENT GRADING CONTOUR (MINOR 1 FOOT INTERVAL)
- 200-FOOT CRMC SETBACK
- 642 ALLENS AVENUE FORMER MGP SITE
- STRA AREA
- EXISTING PAVEMENT
- EXISTING BUILDING
- UTILITY POLE
- LIGHT POLE
- NEW HYDRANT
- RESURFACED ASPHALT
- INSTALLED ASPHALT ENGINEERED CAP (AT LEAST 2" TOP COURSE, 4" BASE COURSE, 8" AGGREGATE BASE)
- INSTALLED CRUSHED STONE ENGINEERED CAP (AT LEAST 12" CLEAN GRANULAR IMPORT, NON-WOVEN GEOTEXTILE)
- RIP RAP ENGINEERED CAP (12" RIP RAP, NON-WOVEN GEOTEXTILE)
- GABION BASKET/RIP RAP ENGINEERED WALL (AT LEAST 24" CLEAN MATERIAL)
- RIP RAP RESURFACING AREA
- CRUSHED STONE /PEASTONE RESURFACING
- JERSEY BARRIERS
- CAPE COD BERM
- NEW UTILITY POLE WITH LIGHT
- NEW MOUNTED LIGHT
- NEW CATCH BASIN
- NEW WATER LINE (APPROXIMATE LOCATION - FOR REFERENCE ONLY)
- NEW DRAIN LINE (APPROXIMATE LOCATION - FOR REFERENCE ONLY)
- NEW FENCE
- NEW ELECTRIC LINE (APPROXIMATE LOCATION - FOR REFERENCE ONLY)
- WATER GATE
- WATER LINE CORROSION PROTECTION ROADBOX
- INDICATES STORMWATER FLOW



KEY PLAN:
SCALE: 1"=800'

GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
   - ELECTRONIC CAD FILE "3654 642 ALLENS AVE ASBUILT.DWG", PREPARED BY A-PLUS CONSTRUCTION SERVICES CORPORATION FOR CHARTER ENVIRONMENTAL, TITLED "AS-BUILT PLAN," SHEET 1 TITLED "SUB GRADE" AND SHEET 2 TITLED "FINISH GRADE," DATED DECEMBER 16, 2016 AND PROVIDED TO GZA ON MARCH 23, 2017
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2019.
2) AS-BUILT DEVELOPED FROM AN ELECTRONIC CAD FILE "19-NG-20_TERMINAL-RD PROVIDENCE.DWG," PREPARED BY TAUPER LAND SURVEY, INC. ON DECEMBER 30, 2019 FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS.
3) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
4) SITE BOUNDARIES ARE APPROXIMATE.
5) LOCATION OF UTILITIES IS APPROXIMATE AND INCLUDED FOR REFERENCE ONLY)
6) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.
7) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

FOR PERMITTING ONLY

0 25 50 100 150
SCALE IN FEET 1" = 50'

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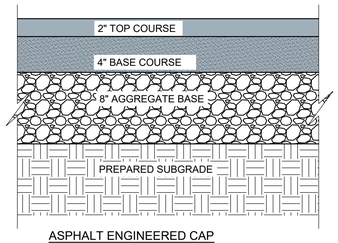
NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

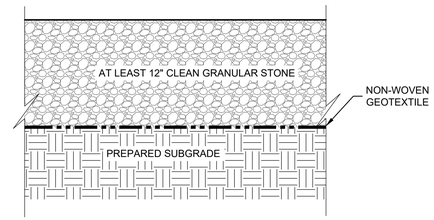
INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	6
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. 0	SHEET NO. 6 OF 7

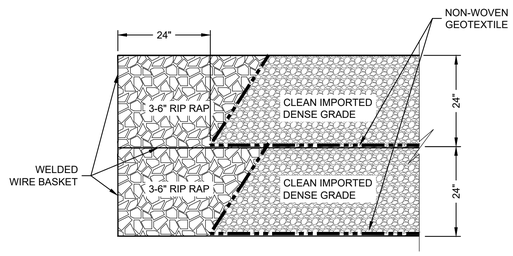
2020- GZA GeoEnvironmental, Inc. GZA-J:\DVA\33554.61.SN\FIGURES\GAS\DWGS\6 INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN.DWG 6 FEBRUARY 4, 2020 3:54 PM USA THERIAULT



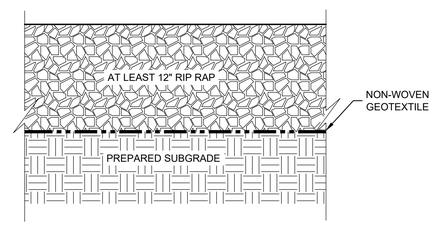
ASPHALT ENGINEERED CAP
NOT TO SCALE



CRUSHED STONE ENGINEERED CAP
NOT TO SCALE



GABION BASKET ENGINEERED CAP
NOT TO SCALE



RIP RAP ENGINEERED CAP
NOT TO SCALE

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NATIONAL GRID
DIKE ACCESS ROAD PERMIT CLOSEOUT
642 ALLENS AVENUE PROVIDENCE, RHODE ISLAND

REMEDIAL CAP DETAILS

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SN	REVIEWED BY: SN	CHECKED BY: SN	FIGURE
DESIGNED BY: SN	DRAWN BY: LDT	SCALE: AS NOTED	7
DATE: FEBRUARY 2020	PROJECT NO. 33554.61	REVISION NO. 0	SHEET NO. 7 OF 7

2020- GZA GeoEnvironmental, Inc. GZA-J:\ENV\33554.61\ENV\FIGURES\CAD\DWGS\7_33554.61_REMEDIAL CAP DETAILS.DWG 7 FEBRUARY 4, 2020 3:17 PM LDA THERNAULT

Appendix A - Limitations

LIMITATIONS

1. This Short Term Response Action (STRA) Completion Report has been prepared on behalf of and for the exclusive use of The Narragansett Electric Company d/b/a National Grid (National Grid), solely for use in documenting the work completed as described herein at the 121 Terminal Road Former MGP ("Site") under the applicable provisions of the State of Rhode Island Department of Environmental Management Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations). This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of GZA GeoEnvironmental, Inc.(GZA) or National Grid.

2. GZA's work was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the study. No other warranty, express or implied is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during the work described herein.

3. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based upon services performed and observations made by GZA.

4. In the event that National Grid or others authorized to use this report obtain information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

5. The conclusions and recommendations contained in this report are based in part upon the data obtained from environmental samples obtained from relatively widely spread subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more gradual. For specific information, refer to the boring logs.

7. In the event this work included the collection of water level data, these readings have been made in the test pits, borings and/or observation wells at times and under conditions stated on the exploration logs. These data have been reviewed and interpretations have been made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater may

occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

8. The conclusions contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by GZA and the conclusions and recommendations presented herein modified accordingly.

J:\ENV\33554.61.sn\Reports\Dike Access Road STRAP Closure\Appendix A - Limitations\33554Limitations-Appendix A.docx

Appendix B – Construction Photos

Appendix B - Photographic Log

Client Name: National Grid	**Site Location:** Dike Access Road– 121 Terminal Rd., Providence, RI	**Project No.** 03.00033554.00

Photo No.	**Date:**
1	8/18/16

Description:
Vacuum excavation for soil pre-characterization

Photo No.	**Date:**
2	3/29/17

Description:
Excavation of Wall 2

Appendix B - Photographic Log

Client Name: National Grid	**Site Location:** Dike Access Road– 121 Terminal Rd., Providence, RI	**Project No.** 03.00033554.00

Photo No. 3	**Date:** 4/06/16

Description
Plumbing and locking pilasters on face of Wall 2

Photo No. 4	**Date:** 4/07/17

Description:
Rip Rap placed on face of Wall 2

Appendix B - Photographic Log

Client Name: National Grid	**Site Location:** Dike Access Road– 121 Terminal Rd., Providence, RI	**Project No.** 03.00033554.00

Photo No.	**Date:**
5	4/14/17

Description:
Placing Rip Rap for the face of Wall 3

Photo No.	**Date:**
6	6/01/17

Description:
Installation of Cultec System

Appendix B - Photographic Log

Client Name: National Grid	**Site Location:** Dike Access Road– 121 Terminal Rd., Providence, RI	**Project No.** 03.00033554.00

Photo No.	**Date:**
7	8/16/17

Description:
Final grade stone surface

Photo No.	**Date:**
8	8/23/17

Description:
Western side of Access Road

Appendix B - Photographic Log

Client Name: National Grid	**Site Location:** Dike Access Road– 121 Terminal Rd., Providence, RI	**Project No.** 03.00033554.00

Photo No. 9	**Date:** 6/05/19

Description:
Slope repair

Photo No. 10	**Date:** 6/07/19

Description:
Demobilization

Appendix C – Permits and Other Approvals

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

FINDING OF NO SIGNIFICANT IMPACT

July 8, 2016

Narragansett Electric Company d/b/a National Grid
Att: William Howard
280 Melrose Street
Providence, RI 02907

RE: CRMC Assent No. A2016-07-020: perform various soil borings, geoprobe boring, potholes as per plans & descriptions subnmitted to CRMC 05/19/15.
Project Location: 121 Terminus Road, Providence; Plat 56, Lot 316,5

Dear Applicant:

The Coastal Resources Management Council has reviewed your project proposal and has determined the findings of no significant impact on coastal resources. In accordance with RIGL 46-23, all work being permitted must be completed on or before **July 8, 2019** after which date this assent is null and void. If this project involves excess excavated materials, excess soils, excess construction materials, and debris (including any destructed materials) these materials shall be removed from the site and disposed of at an inland landfill or a suitable and legal upland location. If the project involves earthwork, appropriate erosion controls shall be utilized. All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

CAUTION: The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations which deviate from the approved plans will require a separate application and review. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity. Under no circumstances will this permit authorize any work which is considered prohibited under any of the sections of the Rhode Island Coastal Resources Management Program.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

A copy of this authorization to perform construction related activities shall be kept on site and available for inspection. NOTE: Failure to have this letter on site or work in excess of your proposal constitutes a violation under this program.
Sincerely,

Sincerely,

William J. Mosunic

William Mosunic, Administrative Officer

State of Rhode Island and Providence Plantations

COASTAL RESOURCES MANAGEMENT COUNCIL

NOTICE OF

ASSENT

CRMC Assent No.: A2016-07-020 Date: July 8, 2016

This certifies that Narragansett Electric Company d/b/a National Grid
has permission to perform various soil borings, geoprobe boring, potholes as per plans & descriptions subnmitted to CRMC 05/19/15.

situated at 121 Terminus Road
Plat No. 56 Lot No. 316,5

Said construction operations to be done in accordance with an approved assent on file in the Offices of the Coastal Resources Management Council and subject further to all the provisions of the building ordinances of the :

City/Town of **Providence**

and to all the applicable State, Local and Federal provisions. This assent shall expire three (3) years from the date of this assent.

Official Designee
Coastal Resources Management Council

THIS CARD MUST BE DISPLAYED IN A CONSPICUOUS PLACE ON THE PREMISES.
FAILURE TO DISPLAY WILL RESULT IN LEGAL ACTION.

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 116
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

FINDING OF NO SIGNIFICANT IMPACT

May 19, 2015

The Narragansett Electric Company d/b/a National Grid
Attn: William Howard
280 Melrose Street
Providence, RI 02907

RE: CRMC Assent No. F2015-05-075
Site: 121 Terminal Road, Providence
Plat: 56 Lot: 316,5

Project Description: to perform various soil borings, geo-probe borings, potholes as per plans and descriptions submitted to CRMC on 05/19/2015.

The Coastal Resources Management Council has reviewed your project proposal and has determined the findings of no significant impact on coastal resources. In accordance with revisions to RIGL 46-23-6.3 Expiration Tolling Periods (as amended effective June 26, 2013) this project must be completed on or before **July 1, 2018**. If this project involves excess excavated materials, excess soils, excess construction materials, and debris (including any destructed materials) these materials shall be removed from the site and disposed of at an inland landfill or a suitable and legal upland location. **If the project involves earthwork, appropriate erosion controls shall be utilized.** All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

CAUTION: The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations which deviate from the approved plans will require a separate application and review. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity. Under no circumstances will this permit authorize any work which is considered prohibited under any of the sections of the Rhode Island Coastal Resources Management Program.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

A copy of this authorization to perform construction related activities shall be kept on site and available for inspection. **NOTE**: Failure to have this letter on site or work in excess of your proposal constitutes a violation under this program.

Sincerely,

William J. Mosunic, Administrative Officer
Coastal Resources Management Council

/ajt

State of Rhode Island and Providence Plantations

COASTAL RESOURCES MANAGEMENT COUNCIL
NOTICE OF

ASSENT

CRMC Assent No.: F2015-05-075 Date: May 19, 2015

This certifies that **The Narragansett Electric Company d/b/a National Grid**
has permission to to perform various soil borings, geo-probe borings, potholes as per plans and descriptions submitted

situated at 121 Terminal Road
Plat No. 56 Lot No. 316,5

Said construction operations to be done in accordance with an approved assent on file in the Offices of the Coastal Resources Management Council and subject further to all the provisions of the building ordinances of the :

City/Town of **Providence**

and to all the applicable State, Local and Federal provisions. This assent shall expire on July 1, 2018.

Amanda Turco
Official Designee
Coastal Resources Management Council

THIS CARD MUST BE DISPLAYED IN A CONSPICUOUS PLACE ON THE PREMISES.
FAILURE TO DISPLAY WILL RESULT IN LEGAL ACTION.

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

Certificate of Maintenance

December 4, 2015

Narragansett Electric Company d/b/a National Grid
Att: William Howard
280 Melrose Street
Providence, RI 02907

RE: CRMC Assent No. M2015-12-011: perform test pits at 121 Terminal Road, Providence as per plans submitted to CRMC 12/4/15.
Project Location: 121 Terminal Road, Providence; Plat 56, Lot 316,5

Dear Applicant:

The Coastal Resources Management Council has reviewed your project proposal and has determined that it conforms to RICRMP Section 300.14 and applicable standards. Construction authorized by this approval shall be limited to replacement, reconstruction, or rebuilding to approved, pre-existing conditions and dimensions of the above noted structure. In accordance with revisions to RIGL 46-23-6.3 Expiration Tolling Periods (as amended effective June 19, 2015), all work being permitted must be completed on or before **July 1, 2019**. If this project involves excess construction materials or debris, these materials shall be removed from the site and disposed of at a suitable legal upland location. No equipment access or storage of equipment, construction material or debris shall occur on coastal features. If the project involves earthwork, appropriate erosion controls shall be utilized. All applicable conditions of original CRMC Assents that pertain to this property shall be upheld unless otherwise modified by the CRMC. All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

A copy of this maintenance authorization to perform maintenance work shall be kept on site and available for inspection. The maintenance (blue) card must be posted on site during the project duration.

Sincerely,

William J. Mosunic

William Mosunic, Administrative Officer
Coastal Resources Management Council

/ajt

CAUTION:

Permits issued by the CRMC confer no property rights, and are valid only with the conditions and stipulations under which they are granted. Permits imply no guarantee of renewal, and may be subject to denial, revocation, or modification.

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations in which deviate from the approved plans will require a separate application and review. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

ATTENTION: ALL STRUCTURES AND FILLED AREAS IN THE TIDAL, COASTAL, OR NAVIGABLE WATERS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ARE SUBJECT TO:

1. The Superior Property Rights of the State of Rhode Island and Providence Plantations in the Submerged and Submersible Lands of the Coastal, Tidal, and Navigable Waters;

2. The Superior Navigation Servitude of the United States;

3. The Police Powers of the State of Rhode Island and the United States to regulate Structures in the Tidal, Coastal, or Navigable Waters.

THE SUBMERGED AND SUBMERSIBLE LANDS OF THE TIDAL, COASTAL, AND NAVIGABLE WATERS OF THE STATE ARE OWNED BY THE STATE AND HELD IN TRUST FOR THE PUBLIC. CONVEYANCE OF THESE LANDS IS ILLEGAL; TITLES PURPORTING TO TRANSFER SUCH LANDS ARE VOID. ASSENTS THAT INVOLVE THE FILLING OR USE OF THE STATES SUBMERGED LANDS ARE GRANTED WITH THE PROVISO THAT IT IS SUBJECT TO THE IMPOSITION OF A USAGE FEE TO BE ESTABLISHED BY THE COASTAL RESOURCES MANAGEMENT COUNCIL.

State of Rhode Island and Providence Plantations

COASTAL RESOURCES MANAGEMENT COUNCIL

MAINTENANCE ASSENT

CRMC Assent No.: M2015-12-011 Date: December 4, 2015

This certifies that **Narragansett Electric Company**
has permission to perform test pits at 121 Terminal Road, Providence as per plans submitted to CRMC 12/4/15.

situated at 121 Terminal Road
Plat No. 56 Lot No. 316,5

Said maintenance operations to be done in accordance with an application on file in the Offices of the Coastal Resources Management Council and subject further to all the provisions of the building ordinances of the :
City/Town of **Providence**

and to all the applicable State, Local and Federal provisions. This assent shall expire July 1, 2019.

Amanda Vieira
Official Designee
Coastal Resources Management Council

THIS CARD MUST BE DISPLAYED IN A CONSPICUOUS PLACE ON THE PREMISES.
FAILURE TO DISPLAY WILL RESULT IN LEGAL ACTION.

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 116
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

ASSENT

CRMC File No.: 2016-07-007 CRMC Assent No.: A2016-07-007

Whereas, **Narragansett Electric Company d/b/a National Grid**
of **Att: William Howard**
280 Melrose Street
Providence, RI 02907

has applied to the Coastal Resources Management Council for assent to: Construct an access road for safe access to the inside of the Dike containment area at National Grid's Liquefied Natural Gas Facility, and represents that they are the owners of the riparian rights attached to the property involved and submitted plans of the work to be done.

Now, said Council, having fully considered said application in accordance with all the regulations as set forth in the Administrative Procedures Act does hereby authorize said applicant, subject to the provisions of Title 46, Chapter 23 of the General Laws of Rhode Island, 1956, as amended, and all laws which are or may be in force applicable thereto: **Construct an access road for safe access to the inside of the Dike containment area at National Grid's Liquefied Natural Gas Facility; located at plat 56, lot 273 and 316; 121 Terminal Road, Providence, RI,** in accordance with said plans submitted to this Council and approved by this Council. All work being permitted must be completed on or before **August 26, 2019** after which date this assent is null and void, (unless written application requesting an extension is received by CRMC sixty (60) days prior to expiration date).

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

Licensee shall be fully and completely liable to State, and shall waive any claims against State for contribution or otherwise, and shall indemnify, defend, and save harmless State and its agencies, employees, officers, directors, and agents with respect to any and all liability, damages (including damages to land, aquatic life, and other natural resources), expenses, causes of action, suits, claims, costs (including testing, auditing, surveying, and investigating costs), fees (including attorneys' fees and costs), penalties (civil and criminal), and response, cleanup, or remediation costs assessed against or imposed upon Licensee, State, or the Property, as a result of Licensee's control of the Property, or Licensee's use, disposal, transportation, generation and/or sale of Hazardous Substances or that of Licensee's employees, agents, assigns, sublicensees, contractors, subcontractors, permittees, or invitees.

Nothing in this assent shall be construed to impair the legal rights of this granting authority or of any person. By this assent the granting authority by no manner, shape, or form assumes any liability or responsibility implied, or in fact, for the stability or permanence of said project; nor by this assent is there any liability implied or in fact assumed or imposed on the granting authority. Further, the granting authority by its representatives or duly authorized agents shall have the right to inspect said project at all times including, but not limited to, the construction, completion, and all times thereafter.

This Assent is granted with the specific proviso that the construction authorized therein will be maintained in good condition by the owner thereof, his heirs, successors, or assigns for a period of fifty (50) years from the date thereof, after which time this permission shall terminate necessitating either complete removal or a new application.

Permits issued by the CRMC are issued for a finite period of time, confer no property rights, and are valid only with the conditions and stipulations under which they are granted. Permits imply no guarantee of renewal, and may be subject to denial, revocation, or modification.

If this matter appeared before the full Council, a copy of the legal decision from this proceeding may be acquired by contacting the CRMC office in writing.

A copy of this Assent shall be kept on site during construction.

Application for future alteration of the shoreline or other construction or alteration within the CRMC jurisdiction shall be submitted to the CRMC for review prior to commencing such activity.

All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

All local, state or federal ordinances and regulations must be complied with.

Please be advised that as a further conditions of this Assent, it is hereby stipulated that you and/or your agents shall comply at all times with Federal and State Water Quality Standards and other State standards and regulations regarding water quality, and shall exercise such supervision over and control of these facilities to prevent the dumping or discarding or refuse, sanitary wastes and other pollutants in the tidal waters, either from vessels docked at said facilities or from land adjacent thereto.

No work that involves alteration to wetlands or waters of the United States shall be done under this Assent until the required Federal Permit has been obtained.

Non-compliance with this assent shall result in legal action and/or revocation of this permit.

CAUTION:

The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations in which deviate from the approved plans will require a separate application and review. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an

application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

ATTENTION: ALL STRUCTURES AND FILLED AREAS IN THE TIDAL, COASTAL, OR NAVIGABLE WATERS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ARE SUBJECT TO:

1. The Superior Property Rights of the State of Rhode Island and Providence Plantations in the Submerged and Submersible Lands of the Coastal, Tidal, and Navigable Waters;
2. The Superior Navigation Servitude of the United States;
3. The Police Powers of the State of Rhode Island and the United States to regulate Structures in the Tidal, Coastal, or Navigable Waters.

THE SUBMERGED AND SUBMERSIBLE LANDS OF THE TIDAL, COASTAL, AND NAVIGABLE WATERS OF THE STATE ARE OWNED BY THE STATE AND HELD IN TRUST FOR THE PUBLIC. CONVEYANCE OF THESE LANDS IS ILLEGAL; TITLES PURPORTING TO TRANSFER SUCH LANDS ARE VOID. ASSENTS THAT INVOLVE THE FILLING OR USE OF THE STATES SUBMERGED LANDS ARE GRANTED WITH THE PROVISO THAT IT IS SUBJECT TO THE IMPOSITION OF A USAGE FEE TO BE ESTABLISHED BY THE COASTAL RESOURCES MANAGEMENT COUNCIL.

The lands adjacent to tidal waters and/or access to these lands may be impacted or rendered unusable in the future due to sea level rise, storm surge, and shoreline erosion. Online resources including STORMTOOLS, Shoreline Change Maps, and Sea Levels Affecting Marshes Model (SLAMM) Maps can be accessed through the CRMC website (www.crmc.ri.gov). The Council recommends the use of these resources to evaluate the flood extent and inundation from sea level rise, storm surge and erosion and damages to land, aquatic life, loss of public access and other natural resources on and near the site of the above assent. The project life may be shortened by these processes and may require additional adaptation measure up to and including relocation of the project. By issuing this assent the granting authority neither explicitly nor implicitly assumes any liability or responsibility for the stability or permanence of said project under future climate and shoreline conditions.

SPECIFIC STIPULATIONS OF APPROVAL

General Stipulations

A. **The applicant shall record this assent in its entirety in the land evidence records of the City of Providence within thirty (30) days of the date of assent issuance. Certification by the Town Clerk's office that this stipulation has been complied with shall be furnished to Coastal Resources Management Council by the applicant within fifteen (15) days thereafter. Failure to comply with provision will render this assent null and void.**

B. For the purpose of this permit, the coastal feature shall be manmade shoreline.

C. The approved plan shall be those entitled "National Grid, Dike Access Road, 642 Allen's Avenue, Providence, RI...," sheets 1-11, last revised 08/25/2016, by GZA, Inc. and Kiewit Engineering stamped by Ashley Stutzman, PE. Except as stipulated or modified herein, all details and specifications thereon shall be strictly adhered to. Any and all changes require written approval from this office.

Earthwork Stipulations

A. The standards and specifications set forth in the most recent RI Soil Erosion and Sediment Control Handbook (RISESCH) shall be strictly adhered to.

B. Prior to conducting earthwork and other land disturbing activities, the erosion, runoff and sediment control measures shown on the approved plan and/or those measures specified herein shall be installed and maintained in accordance with good engineering practices including the applicable details found in the manufacturer's specifications and/or in the Rhode Island Soil Erosion and Sediment Control Handbook (as amended). These measures must be maintained until the site is stabilized through the establishment of vegetative cover and/or construction of the approved facilities (buildings, roadways, parking areas, etc.) has stabilized soils sufficiently to prevent erosion and sedimentation.

C. All excess excavated materials (soils, rock, gravel, etc.), excess construction materials, demolition debris, temporary erosion, runoff and sediment control measures, etc., shall be removed from the site for appropriate re-use and/or proper disposal at a suitable upland location or landfill. All toxic materials and waste shall be properly transported and disposed of in accordance applicable state and federal regulations.

D. All fill materials shall be clean, free of debris and rubble, and free of materials which may cause pollution of surface waters or groundwater.

E. Excavation and grading shall be limited to the area approved. Excess earthwork beyond that authorized by this assent is not permitted.

F. There shall be no discharge or disposal of toxic waste, hazardous materials, oil, grease and other lubricants, excess fertilizer, pesticides or other chemicals or controlled materials either on site or in any area which may enter a wetland, watercourse or groundwater. All spills of such materials shall be reported to the RI Department of Environmental Management for appropriate remediation. All used lubricants, excess chemicals, fertilizers, pesticides, etc., shall be removed from the site for transport, handling and disposal in accordance with all applicable state and federal regulations.

Building Stipulations

A. All pertinent requirements of the RI State Building Code as administered by the local building official shall be strictly adhered to.

Stormwater Management Stipulations

A. The permittee shall construct and maintain the stormwater management practices in accordance with the CRMC approved plans.

B. The permittee shall construction and maintain all erosion and sediment control practices in accordance with the Stormwater Management Plan found in document "Category A Assent…," Appendix E dated June 2016.

C. All stormwater management practices shall be operated and maintained in accordance with the Operation and Maintenance (O & M) Plan, dated August 11, 2016.

In Witness Whereof, said Coastal Resources Management Council have hereto set their hands and seal this 26th day of August in the year two-thousand-and-sixteen.

Jeffrey M. Willis, Deputy Director
Coastal Resources Management Council

/lat

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

July 17, 2019

Narragansett Electric Company d/b/a National Grid
Att: William Howard
280 Melrose Street
Providence, RI 02907

RE: Extension of CRMC Assent No. 2016-07-007
Site Location: 121 Terminal Road, Providence
Plat(s): 56 Lot(s): 273,316

Dear Sir/Madam:

Coastal Resources Management Council Assent File Number A2016-07-007 is granted a one year extension from August 26, 2019 and will expire on August 26, 2020.

All future Assent Extensions will be subject to the provisions of Rhode Island Coastal Resources Management Council Management Procedures Section 5.12.

Sincerely,

Jeffrey M. Willis, Deputy Director
Coastal Resources Management Council

/lat

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

RECEIVED
JUN 03 2019
COASTAL RESOURCES MANAGEMENT COUNCIL

REQUEST FOR ASSENT EXTENSION

Assent/Permit Number: A2016-07-007 **(including extensions) Expiration Date:** August 26, 2019

Name of Assent Holder: the Narragansett Electric Company d/b/a National Grid

Location of Project: 121 Terminal Road

City/Town: Providence, Rhode Island **Plat:** 56

Lot: 273 and 316

Name of Present Owner: the Narragansett Electric Company d/b/a National Grid

Mailing Address: 280 Melrose Street

City/Town: Providence **State:** Rhode Island

Zip: 02909

Phone Number: 401-784-7490 **Contact Person:** William Howard

Indicate reason for extension request:
Work is not complete - final grading, finishing wall construction and placing of riprap to be completed.

Indicate what (if any) work has been done:
Work is substantially complete, including all subgrade grading, the majority of wall construction, all utilities (including drainage), fencing and paving.

Owner's Signature: William R Howard Jr.

Note: The applicant acknowledges by evidence of their signature that they have reviewed the Rhode Island Coastal Resources Management Program, and have, where possible adhered to the policies and standards of the program. The applicant also acknowledges by evidence of their signature that to the best of their knowledge the information contained in the application is true and valid. The filing of false information can result in the Coastal Resources Management Council revoking State Assent. Applicant requires that as a condition to the granting of this assent, members of the CRMC or its staff shall be access to the applicant's property to make on-site inspections to insure compliance with the assent. This application is made under oath and subject to penalties of perjury. 5/00

/ajt 12/2018

GZA GeoEnvironmental, Inc.
188 Valley Street, Suite 300
Providence, Rhode Island 02909
401.421.4140 (fax) 401.751.8613

RECEIVED
JUN 03 2019
COASTAL RESOURCES MANAGEMENT COUNCIL

TRANSMITTAL

Date: 06/03/19	**Job No.** 33554.60
Attention: Mr. David Reis	
Re: CRMC Assent A2016-07-007	
National Grid- Dike Access Road	
121 Terminal Road	
Providence, Rhode Island	

To: Coastal Resources Management Council (CRMC)
Oliver H. Stedman Government Center, Suite 3
4808 Tower Hill Road
Wakefield, Rhode Island 02879-1900

We are sending you:

- [ ] Shop Drawings
- [X] Attached
- [ ] Change Order
- [ ] Samples
- [ ] Copy of Letter
- [ ] Prints
- [ ] Plans
- [ ] Specifications
- [ ] Under Separate Cover, the following Items:

via:

How Shipped:

- [ ] Overnight
- [ ] Courier
- [ ] Regular Mail
- [X] Hand Delivered/Picked Up

Copies	Date	No.	Description
1			Request for Assent Extension Letter
1			Request for Assent Extension Form
1			Request for Assent Extension Filing Fee

THESE ARE TRANSMITTED as Checked Below:

	For Approval		Approved as Submitted		Resubmit Copies for Approval
X	For Your Use		Approved as Noted		Submit Copies for Distribution
	As Requested		Returned for Corrections		Return Corrected Prints
	For Review and Comment				PRINTS RETURNED AFTER LOAN TO US
	FOR BIDS DUE:				

PRINT NAME: _____
SIGNATURE: _____
DATE: _____

Comments:

Copy To: Amy Willoughby- National Grid
William Howard-National Grid

Signed: Sophia Narkiewicz, P.E.
Project Manager

If enclosures are not as noted, kindly notify us at once.

Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

188 Valley Street
Suite 300
Providence, RI 02909
T: 401.421.4140
F: 401.751.8613
www.gza.com

June 3, 2019
File No. 33554.60 - C

RECEIVED
JUN 03 2019
COASTAL RESOURCES MANAGEMENT COUNCIL

Mr. David Reis
Coastal Resources Management Council (CRMC)
Oliver H. Stedman Government Center, Suite 3
4808 Tower Hill Road
Wakefield, RI 02879-1900

Re: Request for Extension
CRMC Assent A2016-07-007
National Grid – Dike Access Road
121 Terminal Road
Providence, Rhode Island

Dear Mr. Reis:

On behalf of our Client, The Narragansett Electric Company d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA) is requesting an extension to the Coastal Resource Management Council (CRMC) Assent A2016-07-007. CRMC Assent A2016-07-007 (a copy of which is attached to this letter) was issued on August 26, 2016 and expires August 26, 2019. This Assent was issued to National Grid to construct an access road (herein referred to as the "Project") to the inside of the existing liquified natural gas (LNG) dike containment area at 121 Terminal Road in Providence, Rhode Island (herein referred to as the "Site").

The Project is substantially complete, but certain Site restoration activities remain. These activities consist of final grading, finishing wall construction and placing of riprap.

These Site restoration activities will be conducted in accordance with all permits received for the Project, as listed below:

- August 26, 2016: CRMC Assent A2016-07-007;
- August 25, 2016: Rhode Island Department of Environment Management (RIDEM) Short Term Response Action Approval Letter; and
- August 29, 2016: RIDEM Water Quality Certificate (WQC) File No. 16-116, Underground Injection Control File No. 001729 and Rhode Island Point Discharge Elimination System (RIPDES) File No. RIR101439.

The following items are attached and comprise the Application Package for this Assent extension request:

- CRMC Assent A2017-07-007
- Request for Assent Extension Form (signed by National Grid); and
- Check in the amount of $250.

An Equal Opportunity Employer M/F/V/H

Should you have any questions or require additional information, please do not hesitate to contact Igor Runge at (401) 427-2710. Thank you for your attention to this matter.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
Project Manager

Igor Runge, Ph.D., P.H.
Consultant/Reviewer

Margaret S. Kilpatrick, P.E.
Associate Principal

Attachments:

CRMC Assent A2017-07-007
Request for Assent Extension Form (signed by National Grid)
Check for $250

cc: Amy Willoughby, National Grid
William Howard, National Grid

J:\ENV\33554.61.sn\Correspondence\CRMC Extension Letter\33554.60 - CRMC Extension Letter final .docx

RECEIVED
JUN 03 2019
COASTAL RESOURCES MANAGEMENT COUNCIL

RECEIVED
JUN 03 2019
COASTAL RESOURCES MANAGEMENT COUNCIL

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 116
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-3767

ASSENT

CRMC File No.: 2016-07-007 CRMC Assent No.: A2016-07-007

Whereas, of **Narragansett Electric Company d/b/a National Grid**
Att: William Howard
280 Melrose Street
Providence, RI 02907

has applied to the Coastal Resources Management Council for assent to: Construct an access road for safe access to the inside of the Dike containment area at National Grid's Liquefied Natural Gas Facility, and represents that they are the owners of the riparian rights attached to the property involved and submitted plans of the work to be done.

Now, said Council, having fully considered said application in accordance with all the regulations as set forth in the Administrative Procedures Act does hereby authorize said applicant, subject to the provisions of Title 46, Chapter 23 of the General Laws of Rhode Island, 1956, as amended, and all laws which are or may be in force applicable thereto: **Construct an access road for safe access to the inside of the Dike containment area at National Grid's Liquefied Natural Gas Facility; located at plat 56, lot 273 and 316; 121 Terminal Road, Providence, RI,** in accordance with said plans submitted to this Council and approved by this Council. All work being permitted must be completed on or before **August 26, 2019** after which date this assent is null and void, (unless written application requesting an extension is received by CRMC sixty (60) days prior to expiration date).

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

Licensee shall be fully and completely liable to State, and shall waive any claims against State for contribution or otherwise, and shall indemnify, defend, and save harmless State and its agencies, employees, officers, directors, and agents with respect to any and all liability, damages (including damages to land, aquatic life, and other natural resources), expenses, causes of action, suits, claims, costs (including testing, auditing, surveying, and investigating costs), fees (including attorneys' fees and costs), penalties (civil and criminal), and response, cleanup, or remediation costs assessed against or imposed upon Licensee, State, or the Property, as a result of Licensee's control of the Property, or Licensee's use, disposal, transportation, generation and/or sale of Hazardous Substances or that of Licensee's employees, agents, assigns, sublicensees, contractors, subcontractors, permittees, or invitees.

Nothing in this assent shall be construed to impair the legal rights of this granting authority or of any person. By this assent the granting authority by no manner, shape, or form assumes any liability or responsibility implied, or in fact, for the stability or permanence of said project; nor by this assent is there any liability implied or in fact assumed or imposed on the granting authority. Further, the granting authority by its representatives or duly authorized agents shall have the right to inspect said project at all times including, but not limited to, the construction, completion, and all times thereafter.

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This Assent is granted with the specific proviso that the construction authorized therein will be maintained in good condition by the owner thereof, his heirs, successors, or assigns for a period of fifty (50) years from the date thereof, after which time this permission shall terminate necessitating either complete removal or a new application.

Permits issued by the CRMC are issued for a finite period of time, confer no property rights, and are valid only with the conditions and stipulations under which they are granted. Permits imply no guarantee of renewal, and may be subject to denial, revocation, or modification.

If this matter appeared before the full Council, a copy of the legal decision from this proceeding may be acquired by contacting the CRMC office in writing.

A copy of this Assent shall be kept on site during construction.

Application for future alteration of the shoreline or other construction or alteration within the CRMC jurisdiction shall be submitted to the CRMC for review prior to commencing such activity.

All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

All local, state or federal ordinances and regulations must be complied with.

Please be advised that as a further conditions of this Assent, it is hereby stipulated that you and/or your agents shall comply at all times with Federal and State Water Quality Standards and other State standards and regulations regarding water quality, and shall exercise such supervision over and control of these facilities to prevent the dumping or discarding or refuse, sanitary wastes and other pollutants in the tidal waters, either from vessels docked at said facilities or from land adjacent thereto.

No work that involves alteration to wetlands or waters of the United States shall be done under this Assent until the required Federal Permit has been obtained.

Non-compliance with this assent shall result in legal action and/or revocation of this permit.

CAUTION:

The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations in which deviate from the approved plans will require a separate application and review. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an

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application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

ATTENTION: ALL STRUCTURES AND FILLED AREAS IN THE TIDAL, COASTAL, OR NAVIGABLE WATERS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ARE SUBJECT TO:

1. The Superior Property Rights of the State of Rhode Island and Providence Plantations in the Submerged and Submersible Lands of the Coastal, Tidal, and Navigable Waters;
2. The Superior Navigation Servitude of the United States;
3. The Police Powers of the State of Rhode Island and the United States to regulate Structures in the Tidal, Coastal, or Navigable Waters.

THE SUBMERGED AND SUBMERSIBLE LANDS OF THE TIDAL, COASTAL, AND NAVIGABLE WATERS OF THE STATE ARE OWNED BY THE STATE AND HELD IN TRUST FOR THE PUBLIC. CONVEYANCE OF THESE LANDS IS ILLEGAL; TITLES PURPORTING TO TRANSFER SUCH LANDS ARE VOID. ASSENTS THAT INVOLVE THE FILLING OR USE OF THE STATES SUBMERGED LANDS ARE GRANTED WITH THE PROVISO THAT IT IS SUBJECT TO THE IMPOSITION OF A USAGE FEE TO BE ESTABLISHED BY THE COASTAL RESOURCES MANAGEMENT COUNCIL.

The lands adjacent to tidal waters and/or access to these lands may be impacted or rendered unusable in the future due to sea level rise, storm surge, and shoreline erosion. Online resources including STORMTOOLS, Shoreline Change Maps, and Sea Levels Affecting Marshes Model (SLAMM) Maps can be accessed through the CRMC website (www.crmc.ri.gov). The Council recommends the use of these resources to evaluate the flood extent and inundation from sea level rise, storm surge and erosion and damages to land, aquatic life, loss of public access and other natural resources on and near the site of the above assent. The project life may be shortened by these processes and may require additional adaptation measure up to and including relocation of the project. By issuing this assent the granting authority neither explicitly nor implicitly assumes any liability or responsibility for the stability or permanence of said project under future climate and shoreline conditions.

SPECIFIC STIPULATIONS OF APPROVAL

General Stipulations

A. **The applicant shall record this assent in its entirety in the land evidence records of the City of Providence within thirty (30) days of the date of assent issuance. Certification by the Town Clerk's office that this stipulation has been complied with shall be furnished to Coastal Resources Management Council by the applicant within fifteen (15) days thereafter. Failure to comply with provision will render this assent null and void.**

B. For the purpose of this permit, the coastal feature shall be manmade shoreline.

C. The approved plan shall be those entitled "National Grid, Dike Access Road, 642 Allen's Avenue, Providence, RI...," sheets 1-11, last revised 08/25/2016, by GZA, Inc. and Kiewit Engineering stamped by Ashley Stutzman, PE. Except as stipulated or modified herein, all details and specifications thereon shall be strictly adhered to. Any and all changes require written approval from this office.

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Earthwork Stipulations

A. The standards and specifications set forth in the most recent RI Soil Erosion and Sediment Control Handbook (RISESCH) shall be strictly adhered to.

B. Prior to conducting earthwork and other land disturbing activities, the erosion, runoff and sediment control measures shown on the approved plan and/or those measures specified herein shall be installed and maintained in accordance with good engineering practices including the applicable details found in the manufacturer's specifications and/or in the Rhode Island Soil Erosion and Sediment Control Handbook (as amended). These measures must be maintained until the site is stabilized through the establishment of vegetative cover and/or construction of the approved facilities (buildings, roadways, parking areas, etc.) has stabilized soils sufficiently to prevent erosion and sedimentation.

C. All excess excavated materials (soils, rock, gravel, etc.), excess construction materials, demolition debris, temporary erosion, runoff and sediment control measures, etc., shall be removed from the site for appropriate re-use and/or proper disposal at a suitable upland location or landfill. All toxic materials and waste shall be properly transported and disposed of in accordance applicable state and federal regulations.

D. All fill materials shall be clean, free of debris and rubble, and free of materials which may cause pollution of surface waters or groundwater.

E. Excavation and grading shall be limited to the area approved. Excess earthwork beyond that authorized by this assent is not permitted.

F. There shall be no discharge or disposal of toxic waste, hazardous materials, oil, grease and other lubricants, excess fertilizer, pesticides or other chemicals or controlled materials either on site or in any area which may enter a wetland, watercourse or groundwater. All spills of such materials shall be reported to the RI Department of Environmental Management for appropriate remediation. All used lubricants, excess chemicals, fertilizers, pesticides, etc., shall be removed from the site for transport, handling and disposal in accordance with all applicable state and federal regulations.

Building Stipulations

A. All pertinent requirements of the RI State Building Code as administered by the local building official shall be strictly adhered to.

Stormwater Management Stipulations

A. The permittee shall construct and maintain the stormwater management practices in accordance with the CRMC approved plans.

B. The permittee shall construction and maintain all erosion and sediment control practices in accordance with the Stormwater Management Plan found in document "Category A Assent…," Appendix E dated June 2016.

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C. All stormwater management practices shall be operated and maintained in accordance with the Operation and Maintenance (O & M) Plan, dated August 11, 2016.

In Witness Whereof, said Coastal Resources Management Council have hereto set their hands and seal this 26th day of August in the year two-thousand-and-sixteen.

Jeffrey M. Willis, Deputy Director
Coastal Resources Management Council

/lat

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

SHORT-TERM RESPONSE ACTION APPROVAL LETTER August 25, 2016
File No. SR -28-1152
Formerly Case No. 98-004

Amy A. Willoughby
Lead Environmental Scientist
New England Site Investigation & Remediation Group
National Grid
40 Sylvan Road, E3.691
Waltham, MA 02451

RE: Providence Gas Co. – AA
A.k.a. Former New England Gas Company MGP property
642 Allens Avenue, Providence, Rhode Island
Plat Map 56 / Lot 5, Plat Map 101 / Lot 1

Dear Ms. Willoughby:

On November 9, 2011, the Rhode Island Department of Environmental Management's (the Department) Office of Waste Management (OWM) amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in a timely and cost-effective manner. A Short-Term Response Action Approval Letter is a document used by the Department to approve limited remedial actions pursuant to Section 6.00 of the Remediation Regulations at contaminated sites that do not involve the use of complex engineered systems or techniques (i.e., groundwater pump and treat systems, soil vapor extraction systems, etc.).

In the matter of the above-referenced property (the Site), the OWM is in receipt of the following final documentation submitted pursuant to the Remediation Regulations in response to the reported release at the Site:

1. Short Term Response Action Plan (STRAP), Dike Access Road, 642 Allens Avenue, Providence, Rhode Island, received by the Department on July 1, 2016, and prepared by GZA GeoEnvironmental, Inc. (GZA); and

2. Short Term Response Action Plan (STRAP) Addendum, Dike Access Road, 642 Allens Avenue, Providence, Rhode Island, received by the Department on August 22, 2016, and prepared by GZA.

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Together these documents fulfill the requirements of Section 6.00 (Emergency or Short-term Response) of the Remediation Regulations.

The Short Term Response Action Work Plan addresses the planned construction of a new containment dike access road for the Liquefied Natural Gas (LNG) facility at the site, and requires installing erosion and sedimentation controls, grading and off-Site disposal of excess materials and installation of an engineered cap in disturbed areas. The three (3) Department approved engineered caps include an Asphalt Engineered Cap (approximately 16,000 ft^2) consisting of 8-inches of imported aggregate base; 4-inches of base course asphalt overlain with 2-inches of top course; and either of two (2) Gravel Engineered Caps (approximately 23,000 ft^2 total) consisting of either a non-woven geotextile overlain by at least 12-inches of imported granular fill or at least 24-inches of imported granular fill. The construction of the engineered caps will require on-Site infiltration of treated stormwater via an engineered underground treatment/infiltration unit. All existing fill underneath the proposed Cultech stormwater management/treatment unit's location will be excavated to the groundwater table and replaced with clean fill. Excavated fill will be properly disposed of off-site at an appropriately licensed facility. The portion of the dike berm to be disturbed for the new access road will be sampled prior to initiation of work and any excess material from the dike will also be characterized for offsite disposal purposes. In addition, the new access road project will also include installation of retaining structures, the installation of new utilities (new water line, new drain line and new underground electrical conduit) and the installation of some new fencing. All new utility excavations will be finished with a gravel engineered cap. The portion of the existing engineered cap that is disturbed during the work will also be restored with a gravel engineered cap. Best management practices will be implemented for dust, odor & organic vapor control, as well as performance of perimeter dust & total volatile organic compound (TVOC) vapor monitoring during remedial activities.

At this time, the OWM offers its concurrence with the proposed remedial action for the property. The OWM approves the STRA Work Plan provided that all activities and procedures detailed in the STRA Work Plan are strictly adhered to.

The Performing Party shall notify all abutting property owners, tenants, easement holders, the municipality, and any community well suppliers associated with any well head protection areas which encircle the site, that the Short-Term Remedial Action is complete and make available to them the findings of the Short-Term Response Report submitted in accordance with Rule 6.06 II of the Remediation Regulations. Please submit a draft notification to the Department via E-mail for review and approval prior to distribution.

Within thirty (30) days of completion of all the abovementioned remedial work outlined in the STRA Work Plan, please submit a STRA Closure Report in accordance with Rule 6.09 inclusive of any disposal documentation and laboratory sampling analysis to the OWM for review and approval.

This Short Term Response Action Approval Letter does not remove your obligation to obtain

any other necessary permits from other local, State, or Federal agencies. The OWM shall require at least forty-eight (48) hours notice in advance of any remedial work.

If you have any questions regarding this letter or would like the opportunity to meet with Department personnel, please contact me by telephone at (401) 222-2797, ext. 7109, or by E-mail at joseph.martella@dem.ri.gov.

Sincerely,

Joseph T. Martella II
Senior Engineer
Office of Waste Management

Authorized by,

Kelly J. Owens
Supervising Engineer
Office of Waste Management

cc: Ronald Gagnon, RIDEM/OCTA
Gregory Swift, RIDEM/OWR
Rich Lucia, RI CRMC
Margaret Kilpatrick, GZA

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

August 29, 2016

Narragansett Electric Co.
Attn: Mr. William Howard
280 Melrose Street
Providence, RI 02907

RE: **Dike Access Road, LNG Facility, 121 Terminal Road, A.P. 56 Lots 273 and 316**
121 Terminal Road, Providence, RI
File No. 16-115; UIC # 001729; RIPDES No. RIR101439

Dear Mr. Howard,

The RIDEM Office of Water Resources has reviewed the above referenced project for compliance with the RI Stormwater Design and Installation Standards Manual (RISDISM), the State Water Quality Regulations, the RIDEM Groundwater Discharge (GWD)/Underground Injection Control (UIC) Program and the Rhode Island Pollutant Discharge Elimination System Construction General Permit (CGP). The purpose of the project is to replace an existing outdated and deteriorated access road that currently services traffic to the interior of the diked containment area at the National Grid's Liquefied Natural Gas (LNG) Facility in Providence, RI, with a new access road that will allow large maintenance vehicles to safely access the interior of the aforementioned dike containment area. As part of the design, the Applicant will install a new stormwater collection system (consisting of a deep sump catch basin and an underground infiltration unit) that will collect surface-generated stormwater for treatment and infiltration. The site has an existing Soil Management Plan (SMP) approved by the RIDEM Office of Waste Management (OWM), which has been approved for the proposed activity, independent of the Short-Term Response Action (STRA) Approval Letter (attached).

We have reviewed the subject application and site plans entitled "National Grid Dike Access Road 642 Allens Avenue Providence, Rhode Island", Sheet Numbers 1 through 11 of 11, dated August 2016, and associated materials received July 1, 2016, August 22, 2016 and August 25, 2016, prepared by Ashley Stutzman, P.E. of Kiewit Engineering and Design.

It has been determined that the proposed project is in compliance with the regulations administered by the Office of Water Resources, provided the Applicant complies with the application material, the Construction General Permit and the following conditions:

1) You **must** notify the RIDEM contact person identified below of the anticipated date of construction and your contractor's contact information, prior to any site disturbance.

2) Prior to construction, you **shall** erect or post a sign resistant to the weather and at least

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twelve (12) inches wide and (eighteen) inches long, which boldly identifies the initials "DEM" and the application number(s) assigned to this permit. The sign must be maintained at the site in a conspicuous location until such time that the project is complete.

3) As stated in the CGP, a copy of this permit, any inspection records, and a signed and updated SESC Plan, **must** be kept at the site at all times during site preparation, construction, and final stabilization. Copies of this permit must be made available for review by any DEM or City representative upon request.

4) All fill material, **shall** be clean and free of matter that could cause pollution of the waters of the State, unless otherwise specified in the plans and report or approved by Waste Management.

5) The stormwater collection and treatment system approved herein **shall not** be used to dispose of any other wastewater.

6) Any alterations, additions or modifications to the stormwater system from that approved herein, including permanent closure **must** be reviewed and approved by RIDEM prior to being effected.

7) Within 30 days after completion, a Notice of Completion of Construction and Installation (or Notice of Termination for the CGP) confirming that construction and installation has been completed in accordance with the approved plans **shall** be submitted to the DEM Office of Water Resources. If modifications were made in the field that have more than a minimal impact on the functions of the stormwater system, as-built drawings must be provided with the Notice of Completion/Termination.

8) The property owner is responsible to periodically inspect, clean, and maintain the stormwater collection and treatment system for the life of the system to ensure proper performance of all components as specified by the Applicant in the Stormwater Operation and Maintenance Plan entitled "Operation and Maintenance (O & M) Plan Dike Access Road 121 Terminal Road Providence, Rhode Island" dated August 11, 2016.

9) The construction of site project improvements covered under this Application must also satisfy the requirements of the attached Short-Term Response Action (STRA) Approval Letter from the DEM Office of Waste Management, with a copy of the required Post-STRA Construction Closure Report submitted to the WQC Program.

Please be aware that the RIDEM's Rules and Regulations Governing the Establishment of Various Fees require that RIPDES CGP permit holders to pay an Annual Fee of $100.00. An invoice will be sent to the owner on record in May/June of each year if the construction was still active as of December 31st of the previous year. The owner will be responsible for the Annual Fee until the construction activity has been completed, the site has been properly stabilized, and a completed Notice of Termination (NOT) has been received by the RIPDES Program. A copy of the NOT can be found attached to the CGP on the web page referenced above.

Tolling is not applicable to the Federally Authorized "Stormwater Discharge Associated with Construction Activity" CGP 2013 permit. Your authorization to discharge **expires at midnight, on September 25, 2018**. If construction has not been completed by that date, there will be measures in

place for you to reauthorize. Please be mindful prior to this date to follow all instructions provided by this Department regarding reauthorization.

The state authorizations for this project are subject to tolling pursuant to RI General Laws 42-17.1-2.5. The permits issued under State Law shall expire on July 1, 2020.

In addition to any necessary enforcement actions stemming from the violation of any of the terms or conditions of this permit, issuance of this permit does not bar the Department, or any of its various Divisions, from instituting any investigation and/or enforcement actions that it may deem necessary for violations of any and all applicable statutes, regulations and/or permits, including but not limited to violations of the terms or conditions of any previous permit issued to you as an applicant or for this site.

This permit does not relieve your obligation to obtain any other applicable local, state and federal permits prior to commencing construction. This permit has the full force and effect of a permit issued by the Director. If you have any questions regarding the contents of the permit, you may contact Mr. Greg Swift at (401) 222-4700, Extension 7708.

Sincerely,

Alisa Diaz Richardson, MS PE
Supervising Sanitary Engineer
Construction Stormwater Engineering, Floodplain and 401 Permitting
Office of Groundwater and Wetlands Protection

ec: William Howard
Richard Lucia, CRMC
Karen Sorensen, RIDEM UIC
Joseph T. Martella II, RIDEM OWM

Attachments: OWM STRA Approval Letter

Appendix D – Public Notification

This is an important notice. Please have it translated.

Este é um aviso importante. Queira mandá-lo traduzir.
Este es un aviso importante. Sírvase mandarlo traducir.
Avis important. Veuillez traduire immediatement.

ĐÂY LÀ MỘT BẢN THÔNG CÁO QUAN TRỌNG
XIN VUI LÒNG CHO DỊCH LẠI THÔNG CÁO ẤY

Questa è un' informazione importante,
si prega di tradurla.

Это очень важное сообщение.
Пожалуйста, попросите чтобы
вам его перевели.

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188 Valley Street
Suite 300
Providence, RI 02909
T: 401.421.4140
F: 401.751.8613
www.gza.com

January 17, 2020
GZA File No. 05.0033554.61-C

Re: Notice to Abutters and/or Interested Parties
Dike Access Road Project
642 Allens Avenue / 121 Terminal Road
Assessor's Plat (A.P.) 56 Lots 273 and 316
Providence, Rhode Island
RIDEM File No. SR-28-1152

Dear Abutters and/or Interested Parties:

The purpose of this letter is to notify you that The Narragansett Electric Company d/b/a National Grid (National Grid) recently completed the Dike Access Road Project at the former 642 Allens Avenue Manufactured Gas Plant (MGP) Site (the Site) located at 642 Allens Avenue / 121 Terminal Road (A.P. 56 Lots 273 and 316) in Providence, Rhode Island. This notice is being provided to abutting property owners, tenants, easement holders, the municipality, any community well suppliers associated with any wellhead protection areas[1] and members of the 642 Allens Avenue Site mailing list in accordance with requirements established in the Rhode Island Department of Environmental Management's (RIDEM) *Rules and Regulation for the Investigation and Remediation of Hazardous Materials* (Remediation Regulations - 250-RICR-140-30-1), the August 25, 2016 *STRAP Approval* and the June 2017 *Public Involvement Plan (PIP)*. Should you be an owner of property that is leased, we request that you provide a copy of this letter to your tenants.

This project was performed consistent with the Short Term Response Action Plan (STRAP) – Dike Access Road dated June 29, 2016 and STRAP Addendum – Dike Access Road dated August 22, 2016. The STRAP was approved by RIDEM Office of Waste Management with the Short Term Response Action Approval Letter dated August 25, 2016. The Dike Access Road Project was also approved by the RIDEM Office of Water Resources with approval WQC File No. 16-115 / UIC #001729 / RIPDES RIR101439 and the Coastal Resources Management Council (CRMC) with Assent A2016-07-007. RIDEM Office of Waste Management was notified of the project start date on August 30, 2016 by GZA. These STRAP activities were performed between August 31, 2016 and January 9, 2020 and included installing erosion and sedimentation controls, miscellaneous demolition activities, grading and off-Site disposal of excess materials, installation of select utilities, installation of an engineered cap and restoration activities (fencing). The installation of the engineered cap included installation of an integral stormwater management system, which consists of on-Site infiltration of treated stormwater via a deep sump catchbasin and underground stormwater infiltration system. Throughout the project, National Grid had a representative on-Site who conducted air monitoring consistent with the STRAP. No exceedances of established site-specific air quality sustained action levels were detected during the work.

The activities will be documented in a Short Term Response Action (STRA) Closure Report, which is expected to be submitted to RIDEM by February 7, 2020 and will be posted on the RIDEM website for this project (http://www.dem.ri.gov/programs/wastemanagement/site-remediation/Providence-Gas-Co.php). If you would like more information or have any questions, please contact the undersigned at 401-421-4140 or Amy Willoughby of National Grid at 781-907-3644.

Very truly yours,
GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
Project Manager

Margaret S. Kilpatrick, P.E.
Associate Principal

cc: Joseph T. Martella II, RIDEM
Amy Willoughby, National Grid

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[1] There are no community well suppliers associated with any wellhead protection in the vicinity of the Site.

This is an important notice. Please have it translated.

Este é um aviso importante. Queira mandá-lo traduzir.
Este es un aviso importante. Sírvase mandarlo traducir.
Avis important. Veuillez traduire immediatement.
ĐÂY LÀ MỘT BẢN THÔNG CÁO QUAN TRỌNG XIN VUI LÒNG CHO DỊCH LẠI THÔNG CÁO ẤY
Questa è un' informazione importante, si prega di tradurla.
Это очень важное сообщение. Пожалуйста, попросите чтобы вам его перевели.

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F: 401.751.8613
www.gza.com

17 de enero de 2020
Archivo de GZA n.º 05.0033554.61-C

Asunto: Aviso para propietarios colindantes y partes interesadas
Proyecto de Dike Access Road
642 Allens Avenue/121 Terminal Road
Plano del tasador (A.P.) 56 Lotes 273 y 316
Providence, Rhode Island
Archivo del RIDEM n.º SR-28-1152

Estimados propietarios colindantes y partes interesadas:

El propósito de esta carta es informarle que The Narragansett Electric Company, de nombre comercial National Grid (National Grid), recientemente finalizó el Proyecto de Dike Access Road en el Sitio de las antiguas instalaciones de 642 Allens Avenue Manufactured Gas Plant (MGP) (el Sitio), ubicado en 642 Allens Avenue/121 Terminal Road (A.P. 56 Lotes 273 y 316) en Providence, Rhode Island. Este es un aviso para dueños de propiedades colindantes, inquilinos, titulares del derecho de servidumbre, la municipalidad, todo proveedor de pozo comunitario relacionado con cualquier área de protección de boca de pozo[1] y miembros de la lista de correo de 642 Allens Avenue de conformidad con los requisitos establecidos en las Normas y reglamentaciones para la Investigación y el saneamiento de la emisión de materiales peligrosos (las reglamentaciones de saneamiento - 250-RICR-140-30-1) del Departamento de Gestión Ambiental de Rhode Island (RIDEM, Rhode Island Department of Environmental Management), la *STRAP Approval* (Aprobación del STRAP) del 25 de agosto de 2016 y el *Plan de participación pública (PIP, Public Involvement Plan)* de junio de 2017. Si son dueños de una propiedad que está alquilada, les solicitamos que faciliten una copia de esta carta a sus inquilinos.

El proyecto se llevó a cabo de manera consistente con el Plan de Acción de Respuesta a Corto Plazo (STRAP, Short Term Response Action Plan), Dike Access Road con fecha del 29 de junio de 2016, y el Apéndice del STRAP (STRAP Addendum), Dike Access Road con fecha del 22 de agosto de 2016. La Oficina de Gestión de los Residuos del RIDEM aprobó el STRAP mediante la Carta de Aprobación de la Acción de Respuestas a Corto Plazo del día 25 de agosto de 2016. La Oficina de Recursos Hídricos del RIDEM también aprobó el Proyecto de Dike Access Road con el Documento de aprobación de WQC N.° 16-115/UIC #001729/RIPDES RIR101439, y el Consejo de Gestión de los Recursos Costeros (CRMC, Coastal Resources Management Council) lo hizo con el Dictamen A2016-07-007. GZA notificó a la Oficina de Gestión de los Residuos del RIDEM sobre la fecha de inicio del proyecto el 30 de agosto de 2016. Estas actividades del STRAP se realizaron entre el 31 de agosto de 2016 y el 9 de enero de 2020 e incluyeron la instalación de controles de erosión y sedimentación, actividades varias de demolición, clasificación y eliminación fuera del Sitio del excedente de material, instalación de servicios seleccionados, instalación de una capa de obturación y actividades de restauración (cercado). La instalación de la capa de obturación incluyó la instalación de un sistema integral de gestión de las aguas pluviales, que consistió en la infiltración en el Sitio de las aguas pluviales tratadas, mediante un separador hidrodinámico profundo y un sistema subterráneo de infiltración de aguas pluviales. Durante el proyecto, National Grid contó con un representante en el Sitio, quien realizó el control del aire conforme al STRAP. Durante las tareas, no se detectaron valores que excedieran los niveles de acción de calidad del aire específicos del Sitio establecidos.

Las actividades de reparación se documentarán en un informe de cierre de Acción de Respuestas a Corto Plazo (STRA, por sus siglas en inglés) que, según se prevé, se presentará ante el RIDEM antes del 7 de febrero de 2020 y se publicará en el sitio web de RIDEM para este proyecto (http://www.dem.ri.gov/programs/wastemanagement/site-remediation/Providence-Gas-Co.php). Si desea obtener más información o tiene alguna pregunta sobre las actividades del STRAP, comuníquese con quien suscribe al 401-421-4140 o con Amy Willoughby de National Grid al 781-907-3644.

Cordialmente,
GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
Gestora del proyecto

Margaret S. Kilpatrick, P. E.
Directora asociada

cc: Joseph T. Martella II, RIDEM
Amy Willoughby, National Grid

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[1] No hay proveedores de pozo comunitario relacionados con ninguna protección de boca de pozo en las inmediaciones del Sitio.

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17 de janeiro de 2020 10:11:14
Ficheiro GZA N.º 05.0033554.61-C

Assunto: Aviso aos Moradores e/ou Partes Interessadas
Projeto de Estrada de Acesso ao Dique
642 Allens Avenue / 121 Terminal Road
Plano do Avaliador (P.A.) 56, Lotes 273 e 316
Providence, Rhode Island
Ficheiro RIDEM N.º SR-28-1152

Caros Moradores e/ou Partes Interessadas:

O propósito desta carta é notificar-vos de que a The Narragansett Electric Company, operando enquanto National Grid ("National Grid"), concluiu, recentemente, o Projeto de Estrada de Acesso ao Dique no Local da antiga Fábrica de Gás Manufaturado (FGM) (o "Local"), sita no endereço 642 Allens Avenue / 121 Terminal Road (P.A. 56, Lotes 273 e 316), em Providence, Rhode Island. Este aviso está a ser facultado aos proprietários, inquilinos e titulares de servidões de imóveis adjacentes, ao município, a quaisquer fornecedores de poços comunitários associados a quaisquer áreas de proteção de mananciais[1] e a membros da lista de correio eletrónico do Local sito em 642 Allens Avenue, em conformidade com os requisitos estabelecidos nas *Normas e Regulamento da Investigação e Descontaminação de Materiais Perigosos* (Regulamentos de Descontaminação - 250-RICR-140-30-1) do Departamento de Gestão Ambiental de Rhode Island (RIDEM), a *Aprovação do STRAP (Plano de Ação para Resposta no Curto Prazo)*, de 25 de agosto de 2016, e o *Plano de Envolvimento do Público ('Public Involvement Plan' - PIP)*, de junho de 2017. Caso seja proprietário(a) de um imóvel arrendado, solicitamos que faculte uma cópia desta carta aos seus inquilinos.

Este projeto foi executado de acordo com o Plano de Ação para Resposta no Curto Prazo ('Short Term Response Action Plan' - STRAP) – Estrada de Acesso ao Dique datado de 22 de de agosto de 2016. O STRAP foi aprovado pelo Gabinete de Gestão de Resíduos do RIDEM, mediante a Carta de Aprovação de Ação de Resposta no Curto Prazo datada de 25 de agosto de 2016. O Projeto de Estrada de Acesso ao Dique foi, igualmente, aprovado pelo Gabinete de Recursos Hídricos do RIDEM, mediante o Ficheiro WQC de aprovação N.º 16-115 / UIC #001729 / RIPDES RIR101439, e pelo Conselho de Gestão de Recursos Costeiros ('Coastal Resources Management Council' - CRMC), mediante o Alvará n.º A2016-07-007. O Gabinete de Gestão de Resíduos do RIDEM foi notificado da data de início do projeto, a 30 de agosto de 2016, pela GZA. As referidas atividades do STRAP foram levadas a cabo entre 31 de agosto de 2016 e 9 de janeiro de 2020 e incluíram a instalação de controlos de erosão e sedimentação, diversas atividades de demolição, classificação e eliminação, fora do Local, de materiais excedentários, instalação de um conjunto restrito de serviços de utilidade pública, instalação de uma superfície de selagem e atividades de restauro (vedação). A instalação da superfície de selagem incluiu a instalação de um sistema integrado de gestão de águas pluviais, que consiste na infiltração, no Local, de águas pluviais tratadas, através de um sistema de poços coletores com reservatórios profundos e de infiltração subterrânea de águas pluviais. No decurso do projeto, a National Grid manteve um representante no Local, que procedeu à monitorização do ar em conformidade com o STRAP. Durante os trabalhos, não foi detetado qualquer excesso dos níveis de ação contínua relativos à qualidade do ar especificamente estabelecidos para o local.

As atividades serão documentadas num Relatório de Encerramento de Ação de Resposta no Curto Prazo ('Short Term Response Action' – STRA), cuja apresentação ao RIDEM está prevista para 7 de janeiro de 2020 e que será publicado no sítio Web do RIDEM relativo a este projeto (http://www.dem.ri.gov/programs/wastemanagement/site-remediation/Providence-Gas-Co.php). Caso pretenda obter mais informações ou tenha alguma questão, por favor contacte a pessoa abaixo-assinada, através do n.º 401-421-4140, ou Amy Willoughby, da National Grid, através do n.º 781-907-3644.

Com os melhores cumprimentos,
GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, Engenheira Profissional
Gestor(a) de Projeto

Margaret S. Kilpatrick, Engenheira Profissional
Diretor(a) Associado(a)

cc: Joseph T. Martella II, RIDEM
Amy Willoughby, National Grid

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[1] Não existem quaisquer fornecedores de poços comunitários associados a qualquer proteção de mananciais nas imediações do Local.

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17 di January 17, 2020
Arquivo GZA 05.0033554.61-C

Re: Aviso pa Proprietarius e/ou Interessados
Projetu Dike Access Road
642 Allens Avenue / 121 Terminal Road
Registo (A.P.) 56 lotes 273 e 316
Providence, Rhode Island
Arquivo RIDEM SR-28-1152

Caros Proprietarios e / ou Interessados:

Objetivo des comunikadu é notifika ki Narragansett Electric Company d/b/a National Grid (National Grid) concluí, recentementi, Projetu Dike Access Road na antigo localidadi di MGP (Fábrica di Gás Manufaturado (64) Allens Avenue, 642 Allens Avenue, localizado na 642 Allens Avenue / 121 Terminal Road (AP 56 lotes 273 e 316) na Providence, Rhode Island. Es aviso sta ser divulgado pa proprietárius di imóveis, inquilinos, usuárius, município, kualkuer fornecedor di poços comunitários associados a áreas[1] di proteson di poço e membros da lista di discuson 642 Allens Avenue Site, di akordu ku requisitos estabelecidos pa Departamento di Administrason di Meio Ambiente di Rhode Island (RIDEM) Regras e Regulamento pa Investigason e Correson di Materiais Perigosos (Regulamento di Correson - 250-RICR-140-30-1), aprovason STRAP di 25 di Agosto di 2016 e plano di envolvimento públiku (PIP) di Junho di 2017. Se senhor(a) é proprietáriu di un unidadi arrendadu, nu ta solicita fornece un cópia des carta pa tudo inquilinos.

Es projetu foi executadu em conformidade ku Plano di Ason pa Intervenson di Curto Prazo (STRAP) - Dike Access Road datado di 29 di Junho di 2016 e adenda STRAP - Dike Access Road datado di 22 di Agosto di 2016. STRAP foi aprovadu pa Escritório di Gerência di Resíduos di RIDEM ku Carta di aprovason di ason di curto prazo datado di 25 di Agosto di 2016. Projetu Dike Access Road també foi aprovadu pa Escritório di Recursos Hídricos di RIDEM ku aprovason arquivo WQC No. 16-115 / UIC # 001729 / RIPDES RIR101439 e Conselho di Gerência di Recursos Costeiros (CRMC) registu A2016-07-007. Escritório di Gerência di Resíduos di RIDEM foi notificadu di data di início di projetu a 30 di Agosto di 2016 pa GZA. Atividades di STRAP foi realizadu entre 31 di Agosto di 2016 e 9 di Janeru di 2020 e ta incluí instalason di controles di eroson e sedimentason, diversas actividades di demolison, classificason e disposison, fora di local, di excesso di materiais, instalason di servicos di utilidades públika selecionados, instalason di un sistema di proteson e atividades di reparason (proteson). Instalason di sistema di proteson ta inclui instalason di un sistema integral di controle di águas pluviais, ki ta consiste na infiltrason na local di águas pluviais, tratado, por meio di un bacia di captura di poço profundu e sistema di infiltrason subterrâneo di águas pluviais. Durante tudu tempo di projetu, National Grid tinha un representanti na local pa conduzi supervison di ar di akordu com o STRAP. Ca foi detectado na local nenhum excedência na níveis estabelecidus di ason sustentada di qualidadi di ar, durante trabadjos di projecto.

Atividades ta ser dokumentadu na Relatório Final di Ason di Intervenson di Curto Prazo (STRA), ki deve ser submetidu a RIDEM até 7 di Fevereu di 2020 e será publikadu na website di RIDEM pa es projetu (http: //www.dem.ri.gov/programs/wastemanagement/site-remediation/Providence-Gas-Co.php). Se Senhor(a) kizer mas informason ou tiver alguma dúvida, pode entra em contactu ku representantes ki assina es dokumento através di telefone 401-421-4140 ou ainda ku Amy Willoughby, di National Grid, através di telefone 781-907-3644.

Sinceramente,
GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
Gestor di Projetu

Margaret S. Kilpatrick, P.E.
Membro Principal

cc: Joseph T. Martella II, RIDEM
Amy Willoughby, National Grid

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[1] Ca tem registu di fornecedores comunitários associadu a nenhum proteson di poços na proximidades di local de obras.

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គម្រោងដំណើរការផ្លូវទំនប់

642 Allens Avenue / 121 Terminal Road

អាសយដ្ឋានដី (A.P.) 56 ឡូត៍ទី លេខ ២៧៣ និង ៣១៦

Providence, Rhode Island

ឯកសារ RIDEM លេខ SR-28-1152

ជូនចំពោះម្ចាស់កម្មសិទ្ធិ និង/ឬភាគីដែលចាប់អារម្មណ៍ជាទីគោរព៖

គោលបំណងនៃលិខិតនេះគឺដើម្បីជូនដំណឹងថា ក្រុមហ៊ុន The Narragansett Electric d/b/a National Grid (National Grid) បានបញ្ចប់គម្រោងដំណើរការផ្លូវទំនប់ទឹកនៅទីតាំងអតីតឆាងចក្រហ្គាស (MGP) ដែលមានទីតាំងនៅផ្លូវ 642 Allens Avenue / 121 Terminal Road (A.P. 56 ឡូត៍ទី ២៧៣ និង ៣១៦) ក្នុងក្រុង Providence រដ្ឋ Rhode Island ។ សេចក្តីជូនដំណឹងនេះត្រូវបានផ្តល់ជូនដល់ម្ចាស់អចលនទ្រព្យ អ្នកជួល អ្នកកាន់សេវភាព មន្ត្រីសាលាក្រុង សមាគមន៍អ្នកផ្គត់ផ្គង់អណ្តូងណាមួយដែលមានទំនាក់ទំនងជាមួយតំបន់ការពារក្បាលទឹក[1] និងសមាជិកក្នុងបញ្ជីរបស់ 642 Allens Avenue Site ដែលអនុលោមតាមតម្រូវការដែលបានបង្កើតឡើងនៅក្នុងនាយកដ្ឋានគ្រប់គ្រងបរិស្ថានហៅកាត់ថា RIDEM របស់រដ្ឋ Rhode Island។ *វិធាននិងបទប្បញ្ញត្តិសម្រាប់ការសើបអង្កេតនិងដំណោះស្រាយលើសម្ពារៈគ្រោះថ្នាក់* (បទប្បញ្ញត្តិដំណោះស្រាយលេខ - 250-RICR-140-30-1) ចុះថ្ងៃទី ២៥ ខែសីហាឆ្នាំ ២០១៦ *ការអនុម័ត STRAP* និងចុះក្នុងខែមិថុនាឆ្នាំ ២០១៧ *ផែនការការចូលរួមជាសាធារណៈ (PIP)*។ ប្រសិនបើអ្នកជាម្ចាស់នៃអចលនទ្រព្យ ដែលបានដាក់ជួល យើងខ្ញុំស្នើសុំឲ្យអ្នកប្រគល់ច្បាប់ចម្លងនៃលិខិតនេះទៅដល់អ្នកជួលរបស់អ្នក។ គម្រោងនេះត្រូវបានអនុវត្តស្របទៅនឹងផែនការសកម្មភាពធ្លើយតបរយៈពេលខ្លីដែលហៅកាត់ថា STRAP - ផ្លូវដំណើរការទំនប់ដែលចុះនៅថ្ងៃទី ២៩ ខែមិថុនាឆ្នាំ ២០១៦ និងសេចក្តីបន្ថែម STRAP - ផ្លូវដំណើរការទំនប់ដែលចុះនៅថ្ងៃទី ២២ ខែសីហា ឆ្នាំ ២០១៦។ គម្រោង STRAP ត្រូវបានអនុម័តដោយការិយាល័យ RIDEM ទៅលើការគ្រប់គ្រងកាកសំណល់ដោយមានលិខិតអនុញ្ញាតិស្តីពីសកម្មភាពធ្លើយតបរយៈពេលខ្លីដែលចុះថ្ងៃទី ២៥ ខែសីហាឆ្នាំ ២០១៦ ។ គម្រោងផ្លូវដំណើការទំនប់ក៏ត្រូវបានអនុម័តដោយការិយាល័យ RIDEM ទៅលើធនធានទឹកដែលសេចក្តីអនុញ្ញាតលេខ WQC ឯកសារលេខ 16-115 / UIC #001729 / RIPDES RIR101439 និងក្រុមប្រឹក្សាគ្រប់គ្រងធនធានតំបន់ឆ្នេរហៅកាត់ថា CRMC ដែលមានកិច្ចព្រមព្រៀងលេខ A2016-07-007 ។ ការិយាល័យគ្រប់គ្រងកាកសំណល់ RIDEM ត្រូវបានជូនដំណឹងអំពីកាលបរិច្ឆេទចាប់ផ្តើមគម្រោងនៅថ្ងៃទី ៣០ ខែសីហាឆ្នាំ ២០១៦ ដោយក្រុមហ៊ុន GZA។ សកម្មភាពទាំងឡាយរបស់ STRAP ត្រូវបានអនុវត្តចន្លោះពីថ្ងៃទី ៣១ ខែសីហាឆ្នាំ ២០១៦ និង ថ្ងៃទី ៩ ខែមករាឆ្នាំ ២០២០ និងរួមបញ្ចូលទាំងការដំឡើងប្រព័ន្ធគ្រប់គ្រងលំហូរដីល្បាប់ សកម្មភាពវាយកំទេចឈូសឆាយ ការចាត់ថ្នាក់ និងកន្លែងចោលសម្ពារៈដែលហួសការប្រើប្រាស់ ការដំឡើងខបករណ៍ប្រើប្រាស់ ការដំឡើងទីទួល និងសកម្មភាពស្តារឡើងវិញ (ការហ៊ុមព័ទ្ធ) ។ ការដំឡើងទីទួលរួមមានការតំឡើងប្រព័ន្ធគ្រប់គ្រងទឹកភ្លៀងដែលរួមមានការបង្ហូរចូលនៅទឹកភ្លៀងដែលសំអាតរួចតាមរយៈប្រព័ន្ធបូមទឹកនិងប្រព័ន្ធការពារទឹកជំនន់នៅក្រោមដី។ តាមរយៈគម្រោងនេះ National Grid មានអ្នកតំណាងនៅទីតាំងដែលបានធ្វើការតាមដានអាកាសឱ្យសមស្របនឹង STRAP ។ មិនមានកំរិតលើសនៃគុណភាពខ្យល់ដែលបានកំណត់ជាពិសេសសម្រាប់ការដ្ឋានត្រូវបានរកឃើញក្នុងពេលបំពេញការងារឡើយ។ សកម្មភាពទាំងនេះនឹងត្រូវបានចងក្រងជាឯកសារនៅក្នុងរបាយការណ៍បញ្ចប់នៃសកម្មភាពធ្លើយតបរយៈពេលខ្លី ហៅកាត់ថា STRA ដែលត្រូវបានគេរំពឹងថានឹងត្រូវបញ្ជូនទៅ RIDEM ត្រឹម ថ្ងៃទី ៧ ខែកុម្ភៈឆ្នាំ ២០២០ ហើយនឹងត្រូវបានចុះផ្សាយនៅលើគេហទំព័រ RIDEM សំរាប់គម្រោងនេះ (http://www.dem.ri.gov/programs/wastemanagement/site-remediation/Providence-Gas-Co.php) ។ ប្រសិនបើអ្នកចង់បានព័ត៌មានបន្ថែមឬមានសំណួរសូមទាក់ទងមកកាន់លេខ ៤០១-៤២១-៤១៤០ ឬតាមរយៈ Amy Willoughby នៃ National Grid តាមលេខ ៧៨១-៩០៧-៣៦៤៤ ។

ដោយសេចក្តីគោរពដ៏ស្មោះស្ម័គ្រ

ក្រុមហ៊ុន GZA GEOENVIRONMENTAL, INC.

Sophia Narkiewicz, P.E.
នាយកគម្រោង

Margaret S. Kilpatrick, P.E.
ជំនួយការនាយករង

ចំលងជូន: Joseph T. Martella II, RIDEM
Amy Willoughby, National Grid

J:\ENV\33554.61.sn\Reports\STRAP Public Notification\Dike_Access_Road_STRAP_Completion_Abutter_Notification_KM_Final.docx

[1] ត្មានអ្នកផ្គត់ផ្គង់អណ្តូងណាមួយដែលមានទំនាក់ទំនងជាមួយតំបន់ការពារក្បាលទឹកនៅជុំវិញតំបន់ការដ្ឋាននោះទេ។

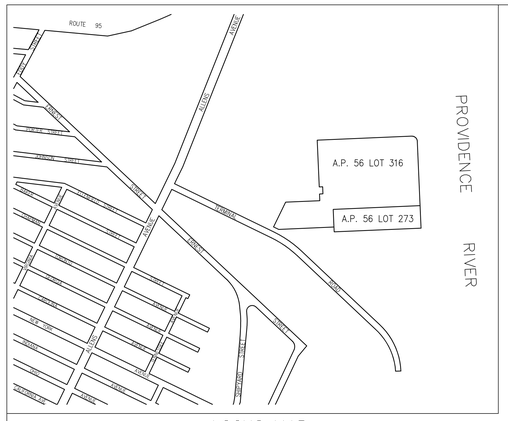
An Equal Opportunity Employer M/F/V/H

Site-Specific Mailing List
642 Allens Avenue
Providence, Rhode Island
Updated 1/17/2020

Category	Plat	Lot	Property Address	Owner(s) / Name(s)	Mailing Address	Street Address	City, State, Zip
Abutter	55	196	610 Allens Avenue	Triton Terminaling LLC	Triton Terminaling LLC	PO Box 4369	Houston, TX 77210-4369
Abutter	55	196	610 Allens Avenue	Triton Terminaling LLC	Triton Terminaling LLC, Michael Sullivan, NE Complex Manager	520 Allens Avenue	Providence, RI 02905
Abutter	55	429	Allens Avenue	Alqonguin LNG, Inc.	Alqonguin LNG, Inc. c/o Properties Dept.	40 Sylvan Road	Waltham, MA 02451
Abutter	56	331	105 Terminal Road	City of Providence	City of Providence	25 Dorrance Street	Providence, RI 02903
Abutter	101	493	655 Allens Avenue	Triton Terminaling LLC	Triton Terminaling LLC	PO Box 4369	Houston, TX 77210-4369
Abutter	101	497	700 Allens Avenue	City of Providence	City of Providence	25 Dorrance Street	Providence, RI 02903
Abutter	56	334	125 Terminal Road	City of Providence	City of Providence	25 Dorrance Street	Providence, RI 02903
Abutter	56	327	175 Terminal Road	Univar USA INC.	Univar USA, Inc. Three Galleria Tower	13155 Noel Rd 12thFl	Dallas, TX 75241-5090
Abutter	56	348	75 Terminal Road	New England Petroleum Terminal LLC	New England Petroleum Terminal LLC	85-87 Terminal Rd	Providence, RI 02905
Abutter	56	6	29 Terminal Road	Hudson Terminal Corp	Hudson Terminal Corp	89 Ship Street	Providence, RI 02903-4218
Abutter	56	271	Terminal Road	Glen Falls Lehigh Cement Co	Glen Falls Lehigh Cement Co c/o Marvin F Poer And Company	PO Box 52427	Atlanta GA 30355
Tenant	56	316	121 Terminal Road	National Grid LNG, Inc.	National Grid LNG, Inc.	121 Terminal Road	Providence, RI 02905
Tenant	56	273	125 Terminal Road	Holcim US Inc.	Holcim US Inc.	201 Jones Road	Waltham, MA 02451
Tenant	56	273	125 Terminal Road	Holcim US Inc.	Holcim US Inc.	125 Terminal Road	Providence, RI 02905
Tenant	56	273	125 Terminal Road	Holcim US Inc.	Holcim US Inc.	24 Crosby Drive	Bedford, MA 01730
Easement Holder	NA			City of Providence	City of Providence	25 Dorrance Street	Providence, RI 02903
Easement Holder	NA			Narragansett Bay Water Quality Management District	Narragansett Bay Water Quality Management District	235 Promenade Street # S500	Providence RI 02908-5734
Easement Holder	NA			Narragansett Electric Company	Narragansett Electric Company	40 Sylvan Road	Waltham, MA 02451-2286
Easement Holder	NA			New England Telephone dba Verizon New England	New England Telephone dba Verizon New England	140 West Street	New York, NY 10007
Municipality	NA			City of Providence	City of Providence	25 Dorrance Street	Providence, RI 02903
Site-Specific	NA			Christopher Lauth	Christopher Lauth	743 Westminster Street	Providence, RI 02903
Site-Specific	NA			Justice Gaines	Justice Gaines	304B Wickenden	Providence, RI 02903
Site-Specific	NA			Christine Ergas	Christine Ergas	39 Windmill Street	Providence, RI 02904
Site-Specific	NA			Michael Alston	Michael Alston	162 Miller Avenue	Providence, RI 02905
Site-Specific	NA			Viviane Hanna	Viviane Hanna	162 Miller Avenue	Providence, RI 02905
Site-Specific	NA			Leo Schulz	Leo Schulz	369 Montgomery Avenue	Providence, RI 02905
Site-Specific	NA			David Ramos	David Ramos	1266 Broad Street	Providence, RI 02905
Site-Specific	NA			Laura Perut	Laura Perut	16 Babcock Street	Providence, RI 02905
Site-Specific	NA			Julian Drix	Julian Drix	93 Calla Street	Providence, RI 02905
Site-Specific	NA			Gina Rodriguez	Gina Rodriguez	93 Calla Street	Providence, RI 02905
Site-Specific	NA			Benjamin Chaplin	Benjamin Chaplin	181 California Avenue Apt 2	Providence, RI 02905
Site-Specific	NA			Aleita Cook	Aleita Cook	85 Potter Avenue	Providence, RI 02905
Site-Specific	NA			Teneta Cooke	Teneta Cooke	20 Spicer Street	Providence, RI 02905
Site-Specific	NA			Monica Huertas	Monica Huertas	216 Ohio Avenue	Providence, RI 02905
Site-Specific	NA			J Huertas	J Huertas	216 Ohio Avenue	Providence, RI 02905
Site-Specific	NA			Leann Letellier	Leann Letellier	67 Gallatin Street	Providence, RI 02907
Site-Specific	NA			Charisma Sampson	Charisma Sampson	107 Weslan Avenue	Providence, RI 02907
Site-Specific	NA			Leslie Noriega	Leslie Noriega	74 Gallatin Street	Providence, RI 02907
Site-Specific	NA			Justin Hernandez	Justin Hernandez	175 Roger Williams Avenue	Providence, RI 02907
Site-Specific	NA			Erroll Lomba	Erroll Lomba	41 Woodmont Street	Providence, RI 02907
Site-Specific	NA			Angela Ankoma	Angela Ankoma	16 Vineyard Street	Providence, RI 02907
Site-Specific	NA			Patrick Him	Patrick Him	77 Mawney Street	Providence, RI 02907
Site-Specific	NA			Suon Keo	Suon Keo	103 Alger Avenue	Providence, RI 02907
Site-Specific	NA			Danny Svay	Danny Svay	649 Public Street	Providence, RI 02907
Site-Specific	NA			Tommy Svay	Tommy Svay	649 Public Street	Providence, RI 02907
Site-Specific	NA			C.Kelly Smith	C.Kelly Smith	103 Holden Street	Providence, RI 02908
Site-Specific	NA			Keith Oliveira	Keith Oliveira	63 Roanoke Street	Providence, RI 02908
Site-Specific	NA			Kate Aubin	Kate Aubin	39 Moorland Avenue	Providence, RI 02908
Site-Specific	NA			Seena Chhan	Seena Chhan	207 Wendell Street	Providence, RI 02909
Site-Specific	NA			Jesus Holaguin	Jesus Holaguin	3 Bell Street	Providence, RI 02909
Site-Specific	NA			Ivan Calderon	Ivan Calderon	10 Priscilla Avenue	Providence, RI 02909
Site-Specific	NA			Sheila Calderon	Sheila Calderon	10 Priscilla Avenue	Providence, RI 02909
Site-Specific	NA			Sabine Adrian	Sabine Adrian	67 Rosedale Street	Providence, RI 02909
Site-Specific	NA			Eric Larson	Eric Larson	28 Sycamore Street	Providence, RI 02909
Site-Specific	NA			Jaron Browne	Jaron Browne	2817 Birdsall Avenue	Oakland, CA 94619
Site-Specific	NA			Cristina Cabrera	Cristina Cabrera	95 Park Place	Pawtucket, RI 02860
Site-Specific	NA			Ronald Gagnon	RIDEM, Office of Customer & Technical Assistance	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Joseph Martella	RIDEM, Office Of Waste Mangement	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Kelly J. Owens	RIDEM, Office Of Waste Mangement	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Susan Forcier, Esq.	RIDEM, Office of Legal Services	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Gregory Swift	RIDEM, Office of Water Resources	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Ruth Gold	RIDEM, Office of Air Resources	235 Promenade Street	Providence, RI 02908
Site-Specific	NA			Barbara Morin	RIDOH, Center For Healthy Homes and the Environment	3 Capitol Hill	Providence, RI 02908
Site-Specific	NA			Rich Lucia	RI CRMC, Steadman Government Center Suite 3	4809 Tower Hill Road	Wakefield, RI 02879
Site-Specific	NA			Kenneth J. Warn	FERC	888 First Street NE	Washington, DC 20426
Site-Specific	NA			Robert E. Azar	City Of Providence Office of Planning and Development	25 Dorrance Street	Providence, RI 02903
Site-Specific	NA			Dania Alejandra Flores-Heagney	Environmental Justice League of RI	1192 Westminister st	Providence, RI 02909
Site-Specific	NA			Robin L. Main, Esq.	Hinckley Allen	100 Westminister Suite 1500	Providence, RI 02903
Site-Specific	NA			Jessica Stensrud	Jessica Stensrud	177 Armistice Blvd	Pawtucket, RI 02860
Site-Specific	NA			Ellen Tuzzolo	Ellen Tuzzolo	154 Miller Avenue	Providence, RI 02905
Site-Specific	NA			Pedro Espinal	Pedro Espinal	1179 Massachusetts Avenue	Providence,RI 02905
Site-Specific	NA			Aaron Jaehnig	Aaron Jaehnig	79 Ravenswood Avenue	Providence,RI 02908
Site-Specific	NA			Shannon Donahue	Shannon Donahue	76 Daniel Avenue	Providence,RI 02909
Site-Specific	NA			karen Blazer	Karen Blazer	18 Daboll st	Providence, RI 02909
Site-Specific	NA			Linda Perri	Linda Perri	353 New York Avenue	Providence,RI 02905
Site-Specific	NA			Eva Agudelo	Eva Agudelo	389 Pine Street #2	Providence,RI 02903
Site-Specific	NA			Cristina Cabrera	Cristina Cabrera	3 Bell Street	Providence,RI 02909
Site-Specific	NA			Lorraine Savard	Lorraine Savard	76 Emmett Street	Central Falls, RI 02863
Site-Specific	NA			Peter Van Nopper	Armory Revival Corp	80 Dexter St	Providence,RI 02909
Site-Specific	NA			Sophonic LaFortune	Sophonic LaFortune	161 Verndale Avenue	Providence,RI 02905

Notes: Ownership and mailing addresses updated 1-17-20 (based on City of Providence Land Evidence Records : http://gis.vgsi.com/providenceri/)
There are no community well suppliers associated with any well head protection areas which encircle the 642 Allens Avenue Site.

Appendix E – Stamped As-Built Conditions Plan



LOCUS MAP
SCALE: 1"=500'

LEGEND

- IRON PIPE FOUND
- DRILL HOLE FOUND
- STONE OR CONCRETE MONUMENTS
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- UNDETERMINED MANHOLE
- CATCH BASIN
- CLEANOUT
- MONITORING WELL
- ANCHOR
- UTILITY POLE
- WATER GATE VALVE
- WATER SHUT OFF
- HYDRANT
- BENCHMARK
- GAS VALVE
- SIGN
- LIGHT POLE / LAMP POST
- SPOT LIGHT
- FLAG POLE
- MBX — MAILBOX (MBX)
- BOLLARD
- SHRUBS, BUSHES, ETC.
- DECIDUOUS TREE
- CONIFEROUS TREE
- WF-26 — WETLAND FLAG
- BOULDER
- VGC — VERTICAL GRANITE CURBING
- CNCRB — CONCRETE CURBING
- CCB — CAPE COD BERM (BITUMINOUS)
- BTCRB — BITUMINOUS CURBING (GENERIC)
- SLPGC — SLOPED GRANITE CURBING
- ELECTRIC LINE
- SEWER LINE
- DRAIN LINE
- WATER LINE
- GAS LINE
- TELEPHONE LINE
- OHW — OVERHEAD WIRES
- CABLE TELEVISION
- CW — CONTROL WIRE
- SL — SITE LIGHTING
- CCTV — CCTV/SECURITY
- UNKNOWN
- EOI — END OF INFORMATION
- STONEWALL
- EDGE OF PAVEMENT
- FENCING (AS NOTED)
- GUARD RAILING (AS NOTED)
- TREE LINE
- EDGE OF LANDSCAPING

RHODE ISLAND STATE PLANE

A.P. 56 LOT 316
712,830± SQ. FT.
16.36432± ACRES

NOW OR FORMERLY
THE NARRAGANSETT ELECTRIC COMPANY
Bk. 8243 Pg. 243
ASSESSORS PLAT 56 LOT 316

A.P. 56 LOT 316
N/F THE NARRAGANSETT
ELECTRIC COMPANY
BOOK 8243 PAGE 243
BOOK 470 PAGE 224
SEE 1168/429
SEE LEASE 1168/418

PART OF A.P. 56 LOT 5
N/F THE NARRAGANSETT
ELECTRIC COMPANY
BOOK 8243 PAGE 243
BOOK 470 PAGE 224

482.59'
810.00' S 42°27'08" E
900.00' S 42°27'08" E
CLOSURE LINE
663.02' N 42°27'08" W
20,337± SQ. FT.
0.46688± ACRES

810.00' S 47°32'53" W

AREA OF ENCROACHMENT
15,870 s.f.

AREA OF ENCROACHMENT
15,870 s.f.

A.P. 56 LOT 273
N/F THE NARRAGANSETT
ELECTRIC COMPANY
BOOK 8243 PAGE 243
BOOK 470 PAGE 224
SEE LEASE 1105/239
SEE CONVEYANCE OF BUILDINGS,
STRUCTURES & IMPROVEMENTS 9133/168

A.P. 56 LOT 273
170,099± SQ. FT.
3.90495± ACRES

NOW OR FORMERLY
HOLCIM US INC.
Bk. 9133 Pg. 168
ASSESSORS PLAT 56 LOT 273

NOW OR FORMERLY
THE NARRAGANSETT ELECTRIC COMPANY
Bk. 8243 Pg. 243
ASSESSORS PLAT 56 LOT 316

165.00'
210.00'
S 42°27'08" E

LEASE LINE TAKEN FROM PLAN ENTITLED "National Grid LNG Terminal Road LNG Facility" prepared by VHB Vanasse Hangen Brustlin, Inc. & dated March 10, 2014.

PLAN NOTES:

1.) THIS PLAN DEPICTS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT AT THE TIME OF THE SURVEY. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. IS NOT INTENDED OR IMPLIED.

2.) PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-344-7233 AND OBTAIN A DIG-SAFE NUMBER AT LEAST 72 HOURS PRIOR TO INITIATING WORK.

3.) HORIZONTAL DATUM IS RHODE ISLAND STATE PLANE NAD83.

SCALE: 1 INCH =20 FEET
FEET 0 10 20 40 60
METERS 0 5 10 20 30 40
GRAPHIC SCALE

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015.

LIMITED CONTENT BOUNDARY SURVEY (CLASS I)
TOPOGRAPHIC SURVEY (T-1, CLASS III)

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLACK INK SEAL

JAMIE L. SARDELLI
No. 2505
PROFESSIONAL LAND SURVEYOR

JAMIE L. SARDELLI
RHODE ISLAND PROFESSIONAL LAND SURVEYOR #2505

12-30-2019
DATE

EXISTING CONDITIONS
PLAN OF LAND OF
NATIONAL GRID LNG FACILITY
39 TERMINAL ROAD
PROVIDENCE, RI

WR#

TAUPER LAND SURVEY INC.
710 MAIN STREET, OXFORD, MA 01537
TEL 508-987-2206 FAX 508-234-7723

FIELD BY:	B.C. & M.S.
DRAFTED BY:	J.E.C.
REVIEWED BY:	J.P.S.
SCALE:	1"=20'
DATE:	12-30-2019
SHEET:	1 OF 1
INDEX:	
APPROVED BY:	J.P.S.

REVISIONS	DATE

PREPARED FOR:
The Narragansett Electric Company d/b/a/ nationalgrid
19-HC-20 TERMINAL RD PROVIDENCE.DWG

VER	DATE:	VERSION DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

SHEET 1

Appendix F – Imported Materials Laboratory Reports

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1609217

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 11:52 am, Sep 19, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

SAMPLE RECEIPT

The following samples were received on September 12, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on September 12, 2016 at 13:15.

Lab Number	Sample Name	Matrix	Analysis
1609217-01	1 1/2" Dense Graded	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
1609217-02	Washed Dust	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

CI61315-BS1 **Blank Spike recovery is above upper control limit (B+).**
1,4-Dioxane (139% @ 70-130%)

CI61315-BSD1 **Blank Spike recovery is above upper control limit (B+).**
1,4-Dioxane (142% @ 70-130%)

8270D Semi-Volatile Organic Compounds

CZI0160-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (122% @ 80-120%), Benzoic Acid (107% @ 80-120%), Di-n-octylphthalate (71% @ 80-120%)

CZI0160-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (22% @ 20%), Benzo(g,h,i)perylene (26% @ 20%), Dibenzo(a,h)Anthracene (23% @ 20%), Indeno(1,2,3-cd)Pyrene (22% @ 20%)

CZI0160-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
bis(2-Ethylhexyl)phthalate (22% @ 20%), Di-n-octylphthalate (29% @ 20%)

CZI0162-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (81% @ 80-120%), Benzoic Acid (90% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.51)		6020A		20	NAR	09/14/16 15:26	2.01	100	CI61303
Arsenic	ND (2.55)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Beryllium	**0.42** (0.11)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Cadmium	ND (0.51)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Chromium	**15.4** (1.02)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Copper	**15.5** (2.55)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Lead	ND (5.10)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Mercury	ND (0.026)		7471B		1	BJV	09/13/16 12:55	0.77	40	CI61305
Nickel	**11.5** (2.55)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Selenium	ND (0.51)		6020A		20	NAR	09/14/16 15:26	2.01	100	CI61303
Silver	ND (0.51)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303
Thallium	ND (0.51)		6020A		20	NAR	09/14/16 15:26	2.01	100	CI61303
Zinc	**49.3** (2.55)		6010C		1	KJK	09/14/16 1:23	2.01	100	CI61303

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1,1-Trichloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1,2,2-Tetrachloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1,2-Trichloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1-Dichloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1-Dichloroethene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,1-Dichloropropene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2,3-Trichlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2,3-Trichloropropane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2,4-Trichlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2,4-Trimethylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2-Dibromo-3-Chloropropane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2-Dibromoethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2-Dichloroethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,2-Dichloropropane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,3,5-Trimethylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,3-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,3-Dichloropropane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,4-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1,4-Dioxane	ND (0.0915)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
1-Chlorohexane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
2,2-Dichloropropane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
2-Butanone	ND (0.0458)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
2-Chlorotoluene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
2-Hexanone	ND (0.0458)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
4-Chlorotoluene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
4-Isopropyltoluene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
4-Methyl-2-Pentanone	ND (0.0458)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Acetone	ND (0.0458)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Benzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Bromobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Bromodichloromethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Bromoform	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Bromomethane	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Carbon Disulfide	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Carbon Tetrachloride	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Chlorobenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Chloroethane	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Chloroform	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Chloromethane	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
cis-1,2-Dichloroethene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
cis-1,3-Dichloropropene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Dibromochloromethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Dibromomethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Dichlorodifluoromethane	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Diethyl Ether	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Di-isopropyl ether	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Ethyl tertiary-butyl ether	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Ethylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Hexachlorobutadiene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Isopropylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Methyl tert-Butyl Ether	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Methylene Chloride	ND (0.0229)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Naphthalene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
n-Butylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
n-Propylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
sec-Butylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Styrene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
tert-Butylbenzene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Tertiary-amyl methyl ether	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Tetrachloroethene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Tetrahydrofuran	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
trans-1,2-Dichloroethene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
trans-1,3-Dichloropropene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Trichloroethene	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Trichlorofluoromethane	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Vinyl Acetate	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Vinyl Chloride	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Xylene O	ND (0.0046)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Xylene P,M	ND (0.0092)		8260B Low		1	09/13/16 15:35	CZI0166	CI61315
Xylenes (Total)	ND (0.0092)		8260B Low		1	09/13/16 15:35		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*93 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*93 %*		*70-130*
Surrogate: Toluene-d8	*92 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 9/12/16 15:53

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.3)		8100M		1	09/12/16 21:05	CZI0141	CI61215

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
1,2,4-Trichlorobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
1,2-Dichlorobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
1,3-Dichlorobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
1,4-Dichlorobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,3,4,6-Tetrachlorophenol	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4,5-Trichlorophenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4,6-Trichlorophenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4-Dichlorophenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4-Dimethylphenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4-Dinitrophenol	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,4-Dinitrotoluene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2,6-Dinitrotoluene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Chloronaphthalene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Chlorophenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Methylnaphthalene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Methylphenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Nitroaniline	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
2-Nitrophenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
3,3´-Dichlorobenzidine	ND (0.698)		8270D		1	09/13/16 22:36	CZI0160	CI61218
3+4-Methylphenol	ND (0.698)		8270D		1	09/13/16 22:36	CZI0160	CI61218
3-Nitroaniline	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4,6-Dinitro-2-Methylphenol	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Bromophenyl-phenylether	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Chloro-3-Methylphenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Chloroaniline	ND (0.698)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Chloro-phenyl-phenyl ether	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Nitroaniline	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
4-Nitrophenol	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Acenaphthene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Acenaphthylene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Acetophenone	ND (0.698)		8270D		1	09/13/16 22:36	CZI0160	CI61218

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.698)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Anthracene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Azobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzo(a)anthracene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzo(a)pyrene	ND (0.175)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzo(b)fluoranthene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzo(g,h,i)perylene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzo(k)fluoranthene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzoic Acid	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Benzyl Alcohol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
bis(2-Chloroethoxy)methane	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
bis(2-Chloroethyl)ether	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
bis(2-chloroisopropyl)Ether	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
bis(2-Ethylhexyl)phthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Butylbenzylphthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Carbazole	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Chrysene	ND (0.175)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Dibenzo(a,h)Anthracene	ND (0.175)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Dibenzofuran	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Diethylphthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Dimethylphthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Di-n-butylphthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Di-n-octylphthalate	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Fluoranthene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Fluorene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Hexachlorobenzene	ND (0.175)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Hexachlorobutadiene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Hexachlorocyclopentadiene	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Hexachloroethane	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Indeno(1,2,3-cd)Pyrene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Isophorone	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Naphthalene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: 1 1/2" Dense Graded
Date Sampled: 09/12/16 09:00
Percent Solids: 98
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
N-Nitrosodimethylamine	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
N-Nitroso-Di-n-Propylamine	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
N-nitrosodiphenylamine	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Pentachlorophenol	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Phenanthrene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Phenol	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Pyrene	ND (0.348)		8270D		1	09/13/16 22:36	CZI0160	CI61218
Pyridine	ND (1.75)		8270D		1	09/13/16 22:36	CZI0160	CI61218

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*92 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.42)		6020A		20	NAR	09/14/16 15:32	2.46	100	CI61303
Arsenic	ND (2.10)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Beryllium	**0.33** (0.09)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Cadmium	ND (0.42)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Chromium	**11.4** (0.84)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Copper	**16.5** (2.10)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Lead	ND (4.20)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Mercury	ND (0.031)		7471B		1	BJV	09/13/16 13:01	0.65	40	CI61305
Nickel	**7.05** (2.10)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Selenium	ND (0.42)		6020A		20	NAR	09/14/16 15:32	2.46	100	CI61303
Silver	ND (0.42)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303
Thallium	ND (0.42)		6020A		20	NAR	09/14/16 15:32	2.46	100	CI61303
Zinc	**43.3** (2.10)		6010C		1	KJK	09/14/16 1:27	2.46	100	CI61303

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1,1-Trichloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1,2,2-Tetrachloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1,2-Trichloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1-Dichloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1-Dichloroethene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,1-Dichloropropene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2,3-Trichlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2,3-Trichloropropane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2,4-Trichlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2,4-Trimethylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2-Dibromo-3-Chloropropane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2-Dibromoethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2-Dichlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2-Dichloroethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,2-Dichloropropane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,3,5-Trimethylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,3-Dichlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,3-Dichloropropane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,4-Dichlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1,4-Dioxane	ND (0.0974)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
1-Chlorohexane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
2,2-Dichloropropane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
2-Butanone	ND (0.0487)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
2-Chlorotoluene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
2-Hexanone	ND (0.0487)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
4-Chlorotoluene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
4-Isopropyltoluene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
4-Methyl-2-Pentanone	ND (0.0487)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Acetone	ND (0.0487)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Benzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Bromobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Bromodichloromethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Bromoform	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Bromomethane	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Carbon Disulfide	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Carbon Tetrachloride	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Chlorobenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Chloroethane	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Chloroform	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Chloromethane	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
cis-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
cis-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Dibromochloromethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Dibromomethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Dichlorodifluoromethane	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Diethyl Ether	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Di-isopropyl ether	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Ethyl tertiary-butyl ether	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Ethylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Hexachlorobutadiene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Isopropylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Methyl tert-Butyl Ether	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Methylene Chloride	ND (0.0244)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Naphthalene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
n-Butylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
n-Propylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
sec-Butylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Styrene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
tert-Butylbenzene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Tertiary-amyl methyl ether	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Tetrachloroethene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Tetrahydrofuran	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
trans-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
trans-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Trichloroethene	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Trichlorofluoromethane	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Vinyl Acetate	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Vinyl Chloride	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Xylene O	ND (0.0049)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Xylene P,M	ND (0.0097)		8260B Low		1	09/13/16 16:01	CZI0166	CI61315
Xylenes (Total)	ND (0.0097)		8260B Low		1	09/13/16 16:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*93 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*92 %*		*70-130*
Surrogate: Toluene-d8	*92 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 9/12/16 15:53

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.9)		8100M		1	09/12/16 21:44	CZI0141	CI61215

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
1,2,4-Trichlorobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
1,2-Dichlorobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
1,3-Dichlorobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
1,4-Dichlorobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,3,4,6-Tetrachlorophenol	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4,5-Trichlorophenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4,6-Trichlorophenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4-Dichlorophenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4-Dimethylphenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4-Dinitrophenol	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,4-Dinitrotoluene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2,6-Dinitrotoluene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Chloronaphthalene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Chlorophenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Methylnaphthalene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Methylphenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Nitroaniline	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
2-Nitrophenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
3,3´-Dichlorobenzidine	ND (0.718)		8270D		1	09/13/16 23:13	CZI0160	CI61218
3+4-Methylphenol	ND (0.718)		8270D		1	09/13/16 23:13	CZI0160	CI61218
3-Nitroaniline	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4,6-Dinitro-2-Methylphenol	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Bromophenyl-phenylether	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Chloro-3-Methylphenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Chloroaniline	ND (0.718)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Chloro-phenyl-phenyl ether	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Nitroaniline	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
4-Nitrophenol	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Acenaphthene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Acenaphthylene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Acetophenone	ND (0.718)		8270D		1	09/13/16 23:13	CZI0160	CI61218

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.718)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Anthracene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Azobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzo(a)anthracene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzo(a)pyrene	ND (0.180)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzo(b)fluoranthene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzo(g,h,i)perylene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzo(k)fluoranthene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzoic Acid	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Benzyl Alcohol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
bis(2-Chloroethoxy)methane	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
bis(2-Chloroethyl)ether	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
bis(2-chloroisopropyl)Ether	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
bis(2-Ethylhexyl)phthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Butylbenzylphthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Carbazole	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Chrysene	ND (0.180)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Dibenzo(a,h)Anthracene	ND (0.180)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Dibenzofuran	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Diethylphthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Dimethylphthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Di-n-butylphthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Di-n-octylphthalate	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Fluoranthene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Fluorene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Hexachlorobenzene	ND (0.180)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Hexachlorobutadiene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Hexachlorocyclopentadiene	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Hexachloroethane	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Indeno(1,2,3-cd)Pyrene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Isophorone	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Naphthalene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Washed Dust
Date Sampled: 09/12/16 09:00
Percent Solids: 97
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609217
ESS Laboratory Sample ID: 1609217-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/12/16 17:23

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
N-Nitrosodimethylamine	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
N-Nitroso-Di-n-Propylamine	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
N-nitrosodiphenylamine	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Pentachlorophenol	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Phenanthrene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Phenol	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Pyrene	ND (0.358)		8270D		1	09/13/16 23:13	CZI0160	CI61218
Pyridine	ND (1.80)		8270D		1	09/13/16 23:13	CZI0160	CI61218

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*84 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*94 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*90 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*83 %*		*30-130*
Surrogate: 2-Fluorophenol	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*92 %*		*30-130*
Surrogate: Phenol-d6	*96 %*		*30-130*
Surrogate: p-Terphenyl-d14	*99 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				Total Metals						
Batch CI61303 - 3050B										
Blank										
Antimony	ND	0.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	148	25.0	mg/kg wet	100.0		148	19-257			
Arsenic	152	10.0	mg/kg wet	161.0		95	80-120			
Beryllium	88.5	0.44	mg/kg wet	89.40		99	80-120			
Cadmium	190	2.00	mg/kg wet	190.0		100	80-120			
Chromium	87.0	4.00	mg/kg wet	87.90		99	80-120			
Copper	288	10.0	mg/kg wet	258.0		111	80-120			
Lead	136	20.0	mg/kg wet	138.0		99	80-120			
Nickel	131	10.0	mg/kg wet	127.0		103	80-120			
Selenium	374	25.0	mg/kg wet	305.0		123	70-130			
Silver	64.1	2.00	mg/kg wet	58.00		111	80-120			
Thallium	98.1	25.0	mg/kg wet	89.80		109	80-120			
Zinc	165	10.0	mg/kg wet	173.0		95	80-120			
LCS Dup										
Antimony	136	24.5	mg/kg wet	100.0		136	19-257	9	30	
Arsenic	145	9.80	mg/kg wet	161.0		90	80-120	5	20	
Beryllium	83.0	0.43	mg/kg wet	89.40		93	80-120	6	20	
Cadmium	181	1.96	mg/kg wet	190.0		95	80-120	5	20	
Chromium	83.1	3.92	mg/kg wet	87.90		95	80-120	5	20	
Copper	275	9.80	mg/kg wet	258.0		106	80-120	5	20	
Lead	128	19.6	mg/kg wet	138.0		93	80-120	6	20	
Nickel	125	9.80	mg/kg wet	127.0		99	80-120	5	20	
Selenium	354	24.5	mg/kg wet	305.0		116	80-120	5	30	
Silver	61.1	1.96	mg/kg wet	58.00		105	80-120	5	20	
Thallium	94.4	24.5	mg/kg wet	89.80		105	80-120	4	30	
Zinc	157	9.80	mg/kg wet	173.0		90	80-120	5	20	
Reference										
Cadmium	465	1.89	mg/kg wet	500.0		93	70-130			
Chromium	487	3.77	mg/kg wet	500.0		97	70-130			
Lead	480	18.9	mg/kg wet	500.0		96	70-130			
Batch CI61305 - 7471B										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CI61305 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	20.0	1.94	mg/kg wet	15.90		126	51-148			
LCS Dup										
Mercury	19.7	1.90	mg/kg wet	15.90		124	51-148	2	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI61315 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI61315 - 5035										
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0428*		mg/kg wet	*0.05000*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0452*		mg/kg wet	*0.05000*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0450*		mg/kg wet	*0.05000*		*90*	*70-130*			
Surrogate: Toluene-d8	*0.0467*		mg/kg wet	*0.05000*		*93*	*70-130*			
LCS										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI61315 - 5035										
1,1,1,2-Tetrachloroethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,1,1-Trichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,1,2,2-Tetrachloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2-Trichloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,1-Dichloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1-Dichloroethene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloropropene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,3-Trichloropropane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,2,4-Trichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,4-Trimethylbenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dibromo-3-Chloropropane	0.0383	0.0050	mg/kg wet	0.05000		77	70-130			
1,2-Dibromoethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichlorobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichloroethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloropropane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,3,5-Trimethylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,3-Dichloropropane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,4-Dichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
1,4-Dioxane	1.39	0.100	mg/kg wet	1.000		139	70-130			B+
1-Chlorohexane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
2,2-Dichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
2-Butanone	0.262	0.0500	mg/kg wet	0.2500		105	70-130			
2-Chlorotoluene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
2-Hexanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130			
4-Chlorotoluene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
4-Isopropyltoluene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.251	0.0500	mg/kg wet	0.2500		100	70-130			
Acetone	0.245	0.0500	mg/kg wet	0.2500		98	70-130			
Benzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
Bromobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Bromochloromethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Bromodichloromethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Bromoform	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Bromomethane	0.0539	0.0100	mg/kg wet	0.05000		108	70-130			
Carbon Disulfide	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Carbon Tetrachloride	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Chlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0421	0.0100	mg/kg wet	0.05000		84	70-130			
Chloroform	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Chloromethane	0.0532	0.0100	mg/kg wet	0.05000		106	70-130			
cis-1,2-Dichloroethene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
cis-1,3-Dichloropropene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Dibromochloromethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI61315 - 5035										
Dibromomethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Dichlorodifluoromethane	0.0500	0.0100	mg/kg wet	0.05000		100	70-130			
Diethyl Ether	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Di-isopropyl ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Ethyl tertiary-butyl ether	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Ethylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Hexachlorobutadiene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Isopropylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Methyl tert-Butyl Ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Methylene Chloride	0.0487	0.0250	mg/kg wet	0.05000		97	70-130			
Naphthalene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
n-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
n-Propylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
sec-Butylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Styrene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
tert-Butylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Tertiary-amyl methyl ether	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrachloroethene	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrahydrofuran	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Toluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
trans-1,2-Dichloroethene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
trans-1,3-Dichloropropene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Trichloroethene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Trichlorofluoromethane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Vinyl Acetate	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Vinyl Chloride	0.0529	0.0100	mg/kg wet	0.05000		106	70-130			
Xylene O	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Xylene P,M	0.0988	0.0100	mg/kg wet	0.1000		99	70-130			
Xylenes (Total)	0.148	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0463*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0470*		mg/kg wet	*0.05000*		*94*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,1,1-Trichloroethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
1,1,2-Trichloroethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
1,1-Dichloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0	25	
1,1-Dichloroethene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
1,1-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
1,2,3-Trichlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.3	25	
1,2,3-Trichloropropane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	0.3	25	
1,2,4-Trichlorobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0.7	25	
1,2,4-Trimethylbenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CI61315 - 5035										
1,2-Dibromo-3-Chloropropane	0.0385	0.0050	mg/kg wet	0.05000		77	70-130	0.6	25	
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
1,2-Dichlorobenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	0.5	25	
1,2-Dichloroethane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,2-Dichloropropane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
1,3,5-Trimethylbenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
1,3-Dichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	0.6	25	
1,3-Dichloropropane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
1,4-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
1,4-Dioxane	1.42	0.100	mg/kg wet	1.000		142	70-130	2	20	B+
1-Chlorohexane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	0.5	25	
2,2-Dichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
2-Butanone	0.263	0.0500	mg/kg wet	0.2500		105	70-130	0.6	25	
2-Chlorotoluene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
2-Hexanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130	1	25	
4-Chlorotoluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	0.5	25	
4-Isopropyltoluene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	1	25	
4-Methyl-2-Pentanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130	0.5	25	
Acetone	0.243	0.0500	mg/kg wet	0.2500		97	70-130	0.7	25	
Benzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	0.04	25	
Bromobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	0.2	25	
Bromochloromethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
Bromodichloromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	0.6	25	
Bromoform	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	3	25	
Bromomethane	0.0523	0.0100	mg/kg wet	0.05000		105	70-130	3	25	
Carbon Disulfide	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.7	25	
Carbon Tetrachloride	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Chlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Chloroethane	0.0423	0.0100	mg/kg wet	0.05000		85	70-130	0.6	25	
Chloroform	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	0.2	25	
Chloromethane	0.0537	0.0100	mg/kg wet	0.05000		107	70-130	0.9	25	
cis-1,2-Dichloroethene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	0.04	25	
cis-1,3-Dichloropropene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0.4	25	
Dibromochloromethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
Dibromomethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
Dichlorodifluoromethane	0.0489	0.0100	mg/kg wet	0.05000		98	70-130	2	25	
Diethyl Ether	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	0.9	25	
Di-isopropyl ether	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.8	25	
Ethyl tertiary-butyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	0.7	25	
Ethylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	0.8	25	
Hexachlorobutadiene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Isopropylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Methyl tert-Butyl Ether	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Methylene Chloride	0.0486	0.0250	mg/kg wet	0.05000		97	70-130	0.2	25	
Naphthalene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI61315 - 5035										
n-Butylbenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
n-Propylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
sec-Butylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Styrene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
tert-Butylbenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
Tertiary-amyl methyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Tetrachloroethene	0.0436	0.0050	mg/kg wet	0.05000		87	70-130	1	25	
Tetrahydrofuran	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	3	25	
Toluene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
trans-1,2-Dichloroethene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
trans-1,3-Dichloropropene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
Trichloroethene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Trichlorofluoromethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Vinyl Acetate	0.0442	0.0050	mg/kg wet	0.05000		88	70-130	1	25	
Vinyl Chloride	0.0525	0.0100	mg/kg wet	0.05000		105	70-130	0.7	25	
Xylene O	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Xylene P,M	0.0997	0.0100	mg/kg wet	0.1000		100	70-130	0.9	25	
Xylenes (Total)	0.149	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0473*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CI61215 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.94*		mg/kg wet	*5.000*		*99*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI61215 - 3546										
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Total Petroleum Hydrocarbons	30.4	37.5	mg/kg wet	35.00		87	40-140			
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Surrogate: O-Terphenyl	*4.77*		mg/kg wet	*5.000*		*95*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		72	40-140	0.7	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		89	40-140	1	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140	0.9	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		90	40-140	0.6	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		63	30-140	6	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.2	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		86	40-140	0.5	25	
Total Petroleum Hydrocarbons	29.3	37.5	mg/kg wet	35.00		84	40-140	4	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Surrogate: O-Terphenyl	*4.74*		mg/kg wet	*5.000*		*95*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.40*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.61*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: Phenol-d6	*3.87*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.47*		mg/kg wet	*3.333*		*104*	*30-130*			
LCS										
1,1-Biphenyl	2.27	0.333	mg/kg wet	3.333		68	40-140			
1,2,4-Trichlorobenzene	2.32	0.333	mg/kg wet	3.333		69	40-140			
1,2-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140			
1,3-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140			
1,4-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
2,3,4,6-Tetrachlorophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
2,4,5-Trichlorophenol	2.85	0.333	mg/kg wet	3.333		86	30-130			
2,4,6-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130			
2,4-Dichlorophenol	2.45	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dimethylphenol	2.52	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.14	1.67	mg/kg wet	3.333		64	30-130			
2,4-Dinitrotoluene	2.92	0.333	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2-Chloronaphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Chlorophenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
2-Methylnaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140			
2-Methylphenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
2-Nitroaniline	2.35	0.333	mg/kg wet	3.333		71	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
2-Nitrophenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
3,3´-Dichlorobenzidine	2.25	0.667	mg/kg wet	3.333		67	40-140			
3+4-Methylphenol	5.07	0.667	mg/kg wet	6.667		76	30-130			
3-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140			
4,6-Dinitro-2-Methylphenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
4-Bromophenyl-phenylether	2.73	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.52	0.333	mg/kg wet	3.333		76	30-130			
4-Chloroaniline	2.40	0.667	mg/kg wet	3.333		72	40-140			
4-Chloro-phenyl-phenyl ether	2.62	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitrophenol	2.43	1.67	mg/kg wet	3.333		73	30-130			
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Acenaphthylene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Acetophenone	2.41	0.667	mg/kg wet	3.333		72	40-140			
Aniline	1.95	0.667	mg/kg wet	3.333		59	40-140			
Anthracene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Benzo(a)anthracene	2.71	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)pyrene	2.85	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Benzo(g,h,i)perylene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Benzo(k)fluoranthene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Benzoic Acid	2.20	1.67	mg/kg wet	3.333		66	40-140			
Benzyl Alcohol	2.37	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Chloroethoxy)methane	2.37	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Chloroethyl)ether	2.24	0.333	mg/kg wet	3.333		67	40-140			
bis(2-chloroisopropyl)Ether	2.35	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Ethylhexyl)phthalate	2.68	0.333	mg/kg wet	3.333		81	40-140			
Butylbenzylphthalate	2.52	0.333	mg/kg wet	3.333		76	40-140			
Carbazole	2.92	0.333	mg/kg wet	3.333		88	40-140			
Chrysene	2.62	0.167	mg/kg wet	3.333		79	40-140			
Dibenzo(a,h)Anthracene	2.84	0.167	mg/kg wet	3.333		85	40-140			
Dibenzofuran	2.48	0.333	mg/kg wet	3.333		75	40-140			
Diethylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140			
Dimethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140			
Di-n-butylphthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Fluoranthene	3.07	0.333	mg/kg wet	3.333		92	40-140			
Fluorene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.78	0.167	mg/kg wet	3.333		83	40-140			
Hexachlorobutadiene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorocyclopentadiene	2.59	1.67	mg/kg wet	3.333		78	40-140			
Hexachloroethane	2.21	0.333	mg/kg wet	3.333		66	40-140			
Indeno(1,2,3-cd)Pyrene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Isophorone	2.52	0.333	mg/kg wet	3.333		76	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
Naphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			
Nitrobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140			
N-Nitrosodimethylamine	2.08	0.333	mg/kg wet	3.333		62	40-140			
N-Nitroso-Di-n-Propylamine	2.49	0.333	mg/kg wet	3.333		75	40-140			
N-nitrosodiphenylamine	2.81	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.87	1.67	mg/kg wet	3.333		86	30-130			
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Phenol	2.37	0.333	mg/kg wet	3.333		71	30-130			
Pyrene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Pyridine	1.82	1.67	mg/kg wet	3.333		55	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.57*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.56*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.04*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.75*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*3.93*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.72*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.18*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.17*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.10	0.333	mg/kg wet	3.333		63	40-140	8	30	
1,2,4-Trichlorobenzene	2.15	0.333	mg/kg wet	3.333		65	40-140	7	30	
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140	5	30	
1,3-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	4	30	
1,4-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	4	30	
2,3,4,6-Tetrachlorophenol	2.55	1.67	mg/kg wet	3.333		76	30-130	3	30	
2,4,5-Trichlorophenol	2.75	0.333	mg/kg wet	3.333		83	30-130	4	30	
2,4,6-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130	5	30	
2,4-Dichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130	2	30	
2,4-Dimethylphenol	2.38	0.333	mg/kg wet	3.333		71	30-130	6	30	
2,4-Dinitrophenol	2.28	1.67	mg/kg wet	3.333		68	30-130	6	30	
2,4-Dinitrotoluene	3.06	0.333	mg/kg wet	3.333		92	40-140	5	30	
2,6-Dinitrotoluene	2.63	0.333	mg/kg wet	3.333		79	40-140	0.9	30	
2-Chloronaphthalene	2.09	0.333	mg/kg wet	3.333		63	40-140	7	30	
2-Chlorophenol	2.17	0.333	mg/kg wet	3.333		65	30-130	7	30	
2-Methylnaphthalene	2.24	0.333	mg/kg wet	3.333		67	40-140	5	30	
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130	7	30	
2-Nitroaniline	2.33	0.333	mg/kg wet	3.333		70	40-140	0.8	30	
2-Nitrophenol	2.32	0.333	mg/kg wet	3.333		69	30-130	5	30	
3,3´-Dichlorobenzidine	2.23	0.667	mg/kg wet	3.333		67	40-140	0.6	30	
3+4-Methylphenol	4.82	0.667	mg/kg wet	6.667		72	30-130	5	30	
3-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.60	1.67	mg/kg wet	3.333		78	30-130	1	30	
4-Bromophenyl-phenylether	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
4-Chloro-3-Methylphenol	2.50	0.333	mg/kg wet	3.333		75	30-130	0.8	30	
4-Chloroaniline	2.29	0.667	mg/kg wet	3.333		69	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
4-Chloro-phenyl-phenyl ether	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
4-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	1	30	
4-Nitrophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	4	30	
Acenaphthene	2.38	0.333	mg/kg wet	3.333		71	40-140	6	30	
Acenaphthylene	2.45	0.333	mg/kg wet	3.333		74	40-140	4	30	
Acetophenone	2.23	0.667	mg/kg wet	3.333		67	40-140	8	30	
Aniline	1.79	0.667	mg/kg wet	3.333		54	40-140	9	30	
Anthracene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.6	30	
Azobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140	3	30	
Benzo(a)anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(a)pyrene	2.90	0.167	mg/kg wet	3.333		87	40-140	2	30	
Benzo(b)fluoranthene	2.88	0.333	mg/kg wet	3.333		86	40-140	0.8	30	
Benzo(g,h,i)perylene	2.89	0.333	mg/kg wet	3.333		87	40-140	4	30	
Benzo(k)fluoranthene	2.88	0.333	mg/kg wet	3.333		86	40-140	0.8	30	
Benzoic Acid	2.27	1.67	mg/kg wet	3.333		68	40-140	3	30	
Benzyl Alcohol	2.22	0.333	mg/kg wet	3.333		67	40-140	6	30	
bis(2-Chloroethoxy)methane	2.24	0.333	mg/kg wet	3.333		67	40-140	6	30	
bis(2-Chloroethyl)ether	2.03	0.333	mg/kg wet	3.333		61	40-140	10	30	
bis(2-chloroisopropyl)Ether	2.17	0.333	mg/kg wet	3.333		65	40-140	8	30	
bis(2-Ethylhexyl)phthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	4	30	
Butylbenzylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140	4	30	
Carbazole	2.85	0.333	mg/kg wet	3.333		86	40-140	2	30	
Chrysene	2.64	0.167	mg/kg wet	3.333		79	40-140	1	30	
Dibenzo(a,h)Anthracene	2.96	0.167	mg/kg wet	3.333		89	40-140	4	30	
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140	4	30	
Diethylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140	4	30	
Dimethylphthalate	2.62	0.333	mg/kg wet	3.333		78	40-140	0.7	30	
Di-n-butylphthalate	2.75	0.333	mg/kg wet	3.333		83	40-140	0.2	30	
Di-n-octylphthalate	2.96	0.333	mg/kg wet	3.333		89	40-140	3	30	
Fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140	4	30	
Fluorene	2.62	0.333	mg/kg wet	3.333		79	40-140	2	30	
Hexachlorobenzene	2.81	0.167	mg/kg wet	3.333		84	40-140	1	30	
Hexachlorobutadiene	2.17	0.333	mg/kg wet	3.333		65	40-140	7	30	
Hexachlorocyclopentadiene	2.39	1.67	mg/kg wet	3.333		72	40-140	8	30	
Hexachloroethane	2.02	0.333	mg/kg wet	3.333		61	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140	4	30	
Isophorone	2.39	0.333	mg/kg wet	3.333		72	40-140	5	30	
Naphthalene	2.15	0.333	mg/kg wet	3.333		64	40-140	6	30	
Nitrobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140	7	30	
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		55	40-140	13	30	
N-Nitroso-Di-n-Propylamine	2.34	0.333	mg/kg wet	3.333		70	40-140	6	30	
N-nitrosodiphenylamine	2.80	0.333	mg/kg wet	3.333		84	40-140	0.2	30	
Pentachlorophenol	2.91	1.67	mg/kg wet	3.333		87	30-130	1	30	
Phenanthrene	2.64	0.333	mg/kg wet	3.333		79	40-140	0.9	30	
Phenol	2.18	0.333	mg/kg wet	3.333		65	30-130	9	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI61218 - 3546										
Pyrene	2.71	0.333	mg/kg wet	3.333		81	40-140	3	30	
Pyridine	1.58	1.67	mg/kg wet	3.333		48	40-140	14	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.56*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.64*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.49*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.51*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.44*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.23*		mg/kg wet	*3.333*		*97*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609217

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609217

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1609217
Date Received: 9/12/2016
Project Due Date: 9/19/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.4 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOAs brought to freezer: Date: 9/12/16 Time: 1315 By: JC

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	66695	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	66698	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
01	66699	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
01	66701	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	66704	Yes	NA	Yes	VOA Vial - Other	other	
01	66705	Yes	NA	Yes	VOA Vial - Other	other	
02	66694	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	66696	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	66697	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	66700	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	66702	Yes	NA	Yes	VOA Vial - Other	other	
02	66703	Yes	NA	Yes	VOA Vial - Other	other	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Date & Time: 9/12/16 1225
Reviewed By: Date & Time: 9/12/16 1315
Delivered By: 9/12/16 1315

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609217

Turn Time ____ (Standard) Other ____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Electonic Deliverables (Excel) Access (PDF)

Co. Name: G2A

Project #: 33554.90

Project Name: 121 Terminal Rd. LNG Access Rd.

Contact Person: Meg Kilpatrick

Address: 530 Broadway

City: Providence

State: Rhode Island

Zip: 02909

PO #:

Tel. 401-421-4140

Fax:

email: mkilpatrick@G2A.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	TP-13 Metals 6010 7471A	TPH 8100	Arsenic					
1	9/12/16	9:00	C	S	1 1/2" dense graded	6,1	6	AG,V	20oz.	X	X	X	X	X					
2	9/12/16	9:00	C	S	Washed dust	6,1	6	AG,V	20oz.	X	X	X	X	X					

Analysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ___X___ Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 4.4°C IR 9/12/16

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N.Grid rates apply matthew.muto@G2A.com

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew 9/12/16 12:12	9/12/16 1217		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1611409

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:44 pm, Nov 23, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

SAMPLE RECEIPT

The following samples were received on November 15, 2016 for the analyses specified on the enclosed Chain of Custody Record.

The cooler temperature was not within the acceptance limit of <6°C, however, samples were delivered on ice.

Low Level VOA vials were frozen by ESS Laboratory on November 15, 2016 at 13:04.

Lab Number	Sample Name	Matrix	Analysis
1611409-01	PJ Keating 1 1/2" Dense Grade	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
1611409-02	PJ Keating 1 1/2" Dense Grade A	Soil	6010C
1611409-03	PJ Keating 1 1/2" Dense Grade B	Soil	6010C
1611409-04	PJ Keating 1 1/2" Dense Grade C	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1611409

PROJECT NARRATIVE

8100M Total Petroleum Hydrocarbons

CZK0261-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Nonadecane (C19) (26% @ 20%)

8270D Semi-Volatile Organic Compounds

CK61612-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Hexachlorocyclopentadiene (32% @ 30%)

CZK0238-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (82% @ 80-120%), Benzoic Acid (90% @ 80-120%), Pentachlorophenol (91% @ 80-120%)

CZK0238-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (30% @ 20%)

CZK0238-CCV1 **Surrogate recovery(ies) above upper control limit (S+).**
2-Fluorophenol (124% @ 80-120%)

CZK0312-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4,5-Trichlorophenol (22% @ 20%), 2,4,6-Trichlorophenol (24% @ 20%), Benzoic Acid (37% @ 20%), Pentachlorophenol (23% @ 20%)

CZK0312-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (22% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.47)		6020A		20	NAR	11/18/16 22:37	2.17	100	CK61712
Arsenic	ND (2.37)		6010C		1	KJK	11/22/16 17:38	2.17	100	CK61712
Beryllium	**0.43** (0.10)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Cadmium	ND (0.47)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Chromium	**22.0** (0.95)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Copper	**51.1** (2.37)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Lead	ND (4.74)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Mercury	ND (0.030)		7471B		1	MJV	11/18/16 14:24	0.68	40	CK61713
Nickel	**12.3** (2.37)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Selenium	ND (0.47)		6020A		20	NAR	11/18/16 22:37	2.17	100	CK61712
Silver	ND (0.47)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712
Thallium	ND (0.47)		6020A		20	NAR	11/18/16 22:37	2.17	100	CK61712
Zinc	**40.9** (2.37)		6010C		1	KJK	11/20/16 2:47	2.17	100	CK61712

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1,1-Trichloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1,2,2-Tetrachloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1,2-Trichloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1-Dichloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1-Dichloroethene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,1-Dichloropropene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2,3-Trichlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2,3-Trichloropropane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2,4-Trichlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2,4-Trimethylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2-Dibromo-3-Chloropropane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2-Dibromoethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2-Dichloroethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,2-Dichloropropane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,3,5-Trimethylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,3-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,3-Dichloropropane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,4-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1,4-Dioxane	ND (0.0970)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
1-Chlorohexane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
2,2-Dichloropropane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
2-Butanone	ND (0.0485)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
2-Chlorotoluene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
2-Hexanone	ND (0.0485)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
4-Chlorotoluene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
4-Isopropyltoluene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
4-Methyl-2-Pentanone	ND (0.0485)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Acetone	ND (0.0485)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Benzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Bromobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Bromodichloromethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Bromoform	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Bromomethane	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Carbon Disulfide	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Carbon Tetrachloride	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Chlorobenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Chloroethane	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Chloroform	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Chloromethane	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
cis-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
cis-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Dibromochloromethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Dibromomethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Dichlorodifluoromethane	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Diethyl Ether	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Di-isopropyl ether	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Ethyl tertiary-butyl ether	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Ethylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Hexachlorobutadiene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Isopropylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Methyl tert-Butyl Ether	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Methylene Chloride	ND (0.0243)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Naphthalene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
n-Butylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
n-Propylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
sec-Butylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Styrene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
tert-Butylbenzene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Tertiary-amyl methyl ether	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Tetrachloroethene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Tetrahydrofuran	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
trans-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
trans-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Trichloroethene	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Trichlorofluoromethane	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Vinyl Acetate	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Vinyl Chloride	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Xylene O	ND (0.0049)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Xylene P,M	ND (0.0097)		8260B Low		1	11/16/16 20:51	CZK0257	CK61651
Xylenes (Total)	ND (0.0097)		8260B Low		1	11/16/16 20:51		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*93 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 11/16/16 9:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.4)		8100M		1	11/17/16 17:55	CZK0265	CK61510

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/16/16 12:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
1,2,4-Trichlorobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
1,2-Dichlorobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
1,3-Dichlorobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
1,4-Dichlorobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,3,4,6-Tetrachlorophenol	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4,5-Trichlorophenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4,6-Trichlorophenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4-Dichlorophenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4-Dimethylphenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4-Dinitrophenol	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,4-Dinitrotoluene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2,6-Dinitrotoluene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Chloronaphthalene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Chlorophenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Methylnaphthalene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Methylphenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Nitroaniline	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
2-Nitrophenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
3,3´-Dichlorobenzidine	ND (0.655)		8270D		1	11/19/16 14:10	CZK0312	CK61612
3+4-Methylphenol	ND (0.655)		8270D		1	11/19/16 14:10	CZK0312	CK61612
3-Nitroaniline	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4,6-Dinitro-2-Methylphenol	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Bromophenyl-phenylether	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Chloro-3-Methylphenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Chloroaniline	ND (0.655)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Chloro-phenyl-phenyl ether	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Nitroaniline	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
4-Nitrophenol	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Acenaphthene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Acenaphthylene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Acetophenone	ND (0.655)		8270D		1	11/19/16 14:10	CZK0312	CK61612

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/16/16 12:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.655)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Anthracene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Azobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzo(a)anthracene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzo(a)pyrene	ND (0.164)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzo(b)fluoranthene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzo(g,h,i)perylene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzo(k)fluoranthene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzoic Acid	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Benzyl Alcohol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
bis(2-Chloroethoxy)methane	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
bis(2-Chloroethyl)ether	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
bis(2-chloroisopropyl)Ether	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
bis(2-Ethylhexyl)phthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Butylbenzylphthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Carbazole	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Chrysene	ND (0.164)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Dibenzo(a,h)Anthracene	ND (0.164)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Dibenzofuran	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Diethylphthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Dimethylphthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Di-n-butylphthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Di-n-octylphthalate	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Fluoranthene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Fluorene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Hexachlorobenzene	ND (0.164)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Hexachlorobutadiene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Hexachlorocyclopentadiene	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Hexachloroethane	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Indeno(1,2,3-cd)Pyrene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Isophorone	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Naphthalene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade
Date Sampled: 11/15/16 09:38
Percent Solids: 97
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/16/16 12:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
N-Nitrosodimethylamine	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
N-Nitroso-Di-n-Propylamine	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
N-nitrosodiphenylamine	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Pentachlorophenol	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Phenanthrene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Phenol	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Pyrene	ND (0.327)		8270D		1	11/19/16 14:10	CZK0312	CK61612
Pyridine	ND (1.64)		8270D		1	11/19/16 14:10	CZK0312	CK61612

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*63 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*89 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*66 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*77 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade A
Date Sampled: 11/15/16 09:38
Percent Solids: 97

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.19)		6010C		1	NAR	11/21/16 19:25	2.35	100	CK61712

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade B
Date Sampled: 11/15/16 09:38
Percent Solids: 97

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.77)		6010C		1	NAR	11/21/16 19:41	2.9	100	CK61712

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: PJ Keating 1 1/2" Dense Grade C
Date Sampled: 11/15/16 09:38
Percent Solids: 97

ESS Laboratory Work Order: 1611409
ESS Laboratory Sample ID: 1611409-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.81)		6010C		1	NAR	11/21/16 19:45	2.85	100	CK61712

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				Total Metals						
Batch CK61712 - 3050B										
Blank										
Antimony	ND	0.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	117	21.6	mg/kg wet	100.0		117	80-120			
Arsenic	131	8.62	mg/kg wet	161.0		81	71-131			
Beryllium	84.3	0.38	mg/kg wet	89.40		94	80-120			
Cadmium	167	1.72	mg/kg wet	190.0		88	80-120			
Chromium	81.3	3.45	mg/kg wet	87.90		92	80-120			
Copper	233	8.62	mg/kg wet	258.0		90	80-120			
Lead	130	17.2	mg/kg wet	138.0		94	80-120			
Nickel	125	8.62	mg/kg wet	127.0		99	80-120			
Selenium	282	21.6	mg/kg wet	305.0		93	80-120			
Silver	56.2	1.72	mg/kg wet	58.00		97	80-120			
Thallium	75.1	21.6	mg/kg wet	89.80		84	80-120			
Zinc	159	8.62	mg/kg wet	173.0		92	80-120			
LCS Dup										
Arsenic	121	8.47	mg/kg wet	161.0		75	71-131	8	20	
Beryllium	87.7	0.37	mg/kg wet	89.40		98	80-120	4	20	
Cadmium	173	1.69	mg/kg wet	190.0		91	80-120	3	20	
Chromium	84.6	3.39	mg/kg wet	87.90		96	80-120	4	20	
Copper	241	8.47	mg/kg wet	258.0		94	80-120	3	20	
Lead	136	16.9	mg/kg wet	138.0		99	80-120	5	20	
Nickel	134	8.47	mg/kg wet	127.0		106	80-120	7	20	
Selenium	310	21.2	mg/kg wet	305.0		102	80-120	9	30	
Silver	59.0	1.69	mg/kg wet	58.00		102	80-120	5	20	
Zinc	168	8.47	mg/kg wet	173.0		97	80-120	5	20	
Batch CK61713 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	16.2	1.90	mg/kg wet	15.90		102	80-120			
LCS Dup										
Mercury	15.6	1.87	mg/kg wet	15.90		98	80-120	4	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Batch CK61651 - 5035

Blank

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK61651 - 5035										
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0454*		mg/kg wet	*0.05000*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0498*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,1-Trichloroethane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
1,1,2-Trichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,1-Dichloroethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,1-Dichloroethene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
1,2,3-Trichlorobenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
1,2,3-Trichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,4-Trichlorobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK61651 - 5035										
1,2,4-Trimethylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
1,2-Dibromo-3-Chloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dibromoethane	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
1,2-Dichlorobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloropropane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,3,5-Trimethylbenzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
1,3-Dichlorobenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
1,3-Dichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,4-Dichlorobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,4-Dioxane	1.05	0.100	mg/kg wet	1.000		105	70-130			
1-Chlorohexane	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
2,2-Dichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
2-Butanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130			
2-Chlorotoluene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
2-Hexanone	0.244	0.0500	mg/kg wet	0.2500		98	70-130			
4-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
4-Isopropyltoluene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
4-Methyl-2-Pentanone	0.238	0.0500	mg/kg wet	0.2500		95	70-130			
Acetone	0.254	0.0500	mg/kg wet	0.2500		102	70-130			
Benzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Bromobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Bromochloromethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Bromodichloromethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Bromoform	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Bromomethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130			
Carbon Disulfide	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Carbon Tetrachloride	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Chlorobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Chloroethane	0.0539	0.0100	mg/kg wet	0.05000		108	70-130			
Chloroform	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Chloromethane	0.0548	0.0100	mg/kg wet	0.05000		110	70-130			
cis-1,2-Dichloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
cis-1,3-Dichloropropene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Dibromochloromethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Dibromomethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Dichlorodifluoromethane	0.0415	0.0100	mg/kg wet	0.05000		83	70-130			
Diethyl Ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Di-isopropyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Ethyl tertiary-butyl ether	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Ethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Hexachlorobutadiene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Isopropylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Methyl tert-Butyl Ether	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Methylene Chloride	0.0541	0.0250	mg/kg wet	0.05000		108	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK61651 - 5035										
Naphthalene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
n-Butylbenzene	0.0593	0.0050	mg/kg wet	0.05000		119	70-130			
n-Propylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
sec-Butylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
Styrene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
tert-Butylbenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
Tertiary-amyl methyl ether	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Tetrachloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrahydrofuran	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Toluene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
trans-1,2-Dichloroethene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
trans-1,3-Dichloropropene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Trichloroethene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Trichlorofluoromethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Vinyl Acetate	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Vinyl Chloride	0.0586	0.0100	mg/kg wet	0.05000		117	70-130			
Xylene O	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130			
Xylenes (Total)	0.160	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0447*		mg/kg wet	*0.05000*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0441*		mg/kg wet	*0.05000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0468*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Toluene-d8	*0.0467*		mg/kg wet	*0.05000*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	0.3	25	
1,1,1-Trichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
1,1,2-Trichloroethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	0.2	25	
1,1-Dichloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
1,1-Dichloroethene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130	2	25	
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	0.07	25	
1,2,3-Trichlorobenzene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	0.7	25	
1,2,3-Trichloropropane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	0.2	25	
1,2,4-Trichlorobenzene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	1	25	
1,2,4-Trimethylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.2	25	
1,2-Dibromo-3-Chloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	0.3	25	
1,2-Dibromoethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	0.9	25	
1,2-Dichlorobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	0.6	25	
1,2-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,2-Dichloropropane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
1,3,5-Trimethylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	0.9	25	
1,3-Dichlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	0.1	25	
1,3-Dichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.04	25	
1,4-Dichlorobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,4-Dioxane	1.01	0.100	mg/kg wet	1.000		101	70-130	3	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK61651 - 5035										
1-Chlorohexane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
2,2-Dichloropropane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.6	25	
2-Butanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	2	25	
2-Chlorotoluene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	0.04	25	
2-Hexanone	0.244	0.0500	mg/kg wet	0.2500		98	70-130	0.1	25	
4-Chlorotoluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.5	25	
4-Isopropyltoluene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	0.2	25	
4-Methyl-2-Pentanone	0.241	0.0500	mg/kg wet	0.2500		96	70-130	1	25	
Acetone	0.260	0.0500	mg/kg wet	0.2500		104	70-130	2	25	
Benzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Bromobenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
Bromochloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Bromodichloromethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Bromoform	0.0458	0.0050	mg/kg wet	0.05000		92	70-130	0.4	25	
Bromomethane	0.0508	0.0100	mg/kg wet	0.05000		102	70-130	0.7	25	
Carbon Disulfide	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
Carbon Tetrachloride	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Chlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	0.9	25	
Chloroethane	0.0543	0.0100	mg/kg wet	0.05000		109	70-130	0.8	25	
Chloroform	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Chloromethane	0.0564	0.0100	mg/kg wet	0.05000		113	70-130	3	25	
cis-1,2-Dichloroethene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
cis-1,3-Dichloropropene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Dibromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
Dibromomethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
Dichlorodifluoromethane	0.0424	0.0100	mg/kg wet	0.05000		85	70-130	2	25	
Diethyl Ether	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Di-isopropyl ether	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Ethyl tertiary-butyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	0.8	25	
Ethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.1	25	
Hexachlorobutadiene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Isopropylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	0.6	25	
Methyl tert-Butyl Ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Methylene Chloride	0.0551	0.0250	mg/kg wet	0.05000		110	70-130	2	25	
Naphthalene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
n-Butylbenzene	0.0599	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
n-Propylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	0.8	25	
sec-Butylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	0.1	25	
Styrene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.3	25	
tert-Butylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.4	25	
Tertiary-amyl methyl ether	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
Tetrachloroethene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Tetrahydrofuran	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.5	25	
Toluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.5	25	
trans-1,2-Dichloroethene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130	2	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK61651 - 5035										
trans-1,3-Dichloropropene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130	0.8	25	
Trichloroethene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	0.8	25	
Trichlorofluoromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
Vinyl Acetate	0.0463	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Vinyl Chloride	0.0594	0.0100	mg/kg wet	0.05000		119	70-130	1	25	
Xylene O	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.6	25	
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130	0.2	25	
Xylenes (Total)	0.160	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0461*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0437*		mg/kg wet	*0.05000*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0479*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0463*		mg/kg wet	*0.05000*		*93*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CK61510 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.62*		mg/kg wet	*5.000*		*92*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		73	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		86	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CK61510 - 3546										
Total Petroleum Hydrocarbons	31.0	37.5	mg/kg wet	35.00		89	40-140			
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Surrogate: O-Terphenyl	*4.99*		mg/kg wet	*5.000*		*100*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140	4	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140	7	25	
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140	5	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140	7	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		87	40-140	7	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140	6	25	
Nonadecane (C19)	2.0	0.2	mg/kg wet	2.500		82	40-140	8	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		64	30-140	2	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		88	40-140	6	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	6	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140	7	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		82	40-140	5	25	
Total Petroleum Hydrocarbons	29.1	37.5	mg/kg wet	35.00		83	40-140	7	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		90	40-140	7	25	
Surrogate: O-Terphenyl	*4.66*		mg/kg wet	*5.000*		*93*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1611409

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.33*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.64*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.09*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2-Fluorophenol	*3.59*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.75*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.35	0.333	mg/kg wet	3.333		70	40-140			
1,2,4-Trichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140			
1,2-Dichlorobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
1,3-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
1,4-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
2,3,4,6-Tetrachlorophenol	2.43	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.96	0.333	mg/kg wet	3.333		89	30-130			
2,4,6-Trichlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130			
2,4-Dichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
2,4-Dimethylphenol	2.42	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dinitrophenol	1.97	1.67	mg/kg wet	3.333		59	30-130			
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.71	0.333	mg/kg wet	3.333		81	40-140			
2-Chloronaphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140			
2-Chlorophenol	1.99	0.333	mg/kg wet	3.333		60	30-130			
2-Methylnaphthalene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Methylphenol	2.09	0.333	mg/kg wet	3.333		63	30-130			
2-Nitroaniline	2.53	0.333	mg/kg wet	3.333		76	40-140			
2-Nitrophenol	2.04	0.333	mg/kg wet	3.333		61	30-130			
3,3´-Dichlorobenzidine	2.47	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	4.25	0.667	mg/kg wet	6.667		64	30-130			
3-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140			
4,6-Dinitro-2-Methylphenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
4-Bromophenyl-phenylether	2.71	0.333	mg/kg wet	3.333		81	40-140			
4-Chloro-3-Methylphenol	3.11	0.333	mg/kg wet	3.333		93	30-130			
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140			
4-Chloro-phenyl-phenyl ether	2.53	0.333	mg/kg wet	3.333		76	40-140			
4-Nitroaniline	2.93	0.333	mg/kg wet	3.333		88	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1611409

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
4-Nitrophenol	2.50	1.67	mg/kg wet	3.333		75	30-130			
Acenaphthene	2.42	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Acetophenone	2.07	0.667	mg/kg wet	3.333		62	40-140			
Aniline	1.83	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Azobenzene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Benzo(a)anthracene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Benzo(a)pyrene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Benzo(b)fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzo(g,h,i)perylene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140			
Benzoic Acid	2.14	1.67	mg/kg wet	3.333		64	40-140			
Benzyl Alcohol	2.53	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Chloroethoxy)methane	2.15	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethyl)ether	1.97	0.333	mg/kg wet	3.333		59	40-140			
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Carbazole	2.48	0.333	mg/kg wet	3.333		74	40-140			
Chrysene	2.81	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	3.28	0.167	mg/kg wet	3.333		98	40-140			
Dibenzofuran	2.44	0.333	mg/kg wet	3.333		73	40-140			
Diethylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	2.56	0.333	mg/kg wet	3.333		77	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Fluorene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Hexachlorobenzene	2.77	0.167	mg/kg wet	3.333		83	40-140			
Hexachlorobutadiene	2.09	0.333	mg/kg wet	3.333		63	40-140			
Hexachlorocyclopentadiene	2.10	1.67	mg/kg wet	3.333		63	40-140			
Hexachloroethane	2.02	0.333	mg/kg wet	3.333		61	40-140			
Indeno(1,2,3-cd)Pyrene	3.24	0.333	mg/kg wet	3.333		97	40-140			
Isophorone	2.16	0.333	mg/kg wet	3.333		65	40-140			
Naphthalene	2.02	0.333	mg/kg wet	3.333		61	40-140			
Nitrobenzene	2.15	0.333	mg/kg wet	3.333		65	40-140			
N-Nitrosodimethylamine	1.79	0.333	mg/kg wet	3.333		54	40-140			
N-Nitroso-Di-n-Propylamine	2.15	0.333	mg/kg wet	3.333		64	40-140			
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	2.99	1.67	mg/kg wet	3.333		90	30-130			
Phenanthrene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Phenol	1.94	0.333	mg/kg wet	3.333		58	30-130			
Pyrene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Pyridine	1.59	1.67	mg/kg wet	3.333		48	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
Surrogate: 1,2-Dichlorobenzene-d4	*2.02*		mg/kg wet	*3.333*		*61*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.20*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.14*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.33*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*3.02*		mg/kg wet	*5.000*		*60*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.17*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.20*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.89*		mg/kg wet	*3.333*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.88	0.333	mg/kg wet	3.333		86	40-140	20	30	
1,2,4-Trichlorobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140	26	30	
1,2-Dichlorobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140	23	30	
1,3-Dichlorobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140	24	30	
1,4-Dichlorobenzene	2.49	0.333	mg/kg wet	3.333		75	40-140	22	30	
2,3,4,6-Tetrachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130	13	30	
2,4,5-Trichlorophenol	3.37	0.333	mg/kg wet	3.333		101	30-130	13	30	
2,4,6-Trichlorophenol	3.27	0.333	mg/kg wet	3.333		98	30-130	17	30	
2,4-Dichlorophenol	2.93	0.333	mg/kg wet	3.333		88	30-130	25	30	
2,4-Dimethylphenol	3.07	0.333	mg/kg wet	3.333		92	30-130	24	30	
2,4-Dinitrophenol	2.08	1.67	mg/kg wet	3.333		62	30-130	5	30	
2,4-Dinitrotoluene	3.09	0.333	mg/kg wet	3.333		93	40-140	12	30	
2,6-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		89	40-140	9	30	
2-Chloronaphthalene	2.63	0.333	mg/kg wet	3.333		79	40-140	21	30	
2-Chlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130	23	30	
2-Methylnaphthalene	2.69	0.333	mg/kg wet	3.333		81	40-140	7	30	
2-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130	23	30	
2-Nitroaniline	2.72	0.333	mg/kg wet	3.333		82	40-140	7	30	
2-Nitrophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	25	30	
3,3´-Dichlorobenzidine	2.69	0.667	mg/kg wet	3.333		81	40-140	9	30	
3+4-Methylphenol	4.70	0.667	mg/kg wet	6.667		71	30-130	10	30	
3-Nitroaniline	3.10	0.333	mg/kg wet	3.333		93	40-140	10	30	
4,6-Dinitro-2-Methylphenol	2.26	1.67	mg/kg wet	3.333		68	30-130	8	30	
4-Bromophenyl-phenylether	3.03	0.333	mg/kg wet	3.333		91	40-140	11	30	
4-Chloro-3-Methylphenol	3.02	0.333	mg/kg wet	3.333		91	30-130	3	30	
4-Chloroaniline	2.85	0.667	mg/kg wet	3.333		85	40-140	26	30	
4-Chloro-phenyl-phenyl ether	2.95	0.333	mg/kg wet	3.333		89	40-140	15	30	
4-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140	11	30	
4-Nitrophenol	2.60	1.67	mg/kg wet	3.333		78	30-130	4	30	
Acenaphthene	2.87	0.333	mg/kg wet	3.333		86	40-140	17	30	
Acenaphthylene	2.92	0.333	mg/kg wet	3.333		88	40-140	18	30	
Acetophenone	2.62	0.667	mg/kg wet	3.333		78	40-140	23	30	
Aniline	2.36	0.667	mg/kg wet	3.333		71	40-140	25	30	
Anthracene	3.08	0.333	mg/kg wet	3.333		93	40-140	9	30	
Azobenzene	3.20	0.333	mg/kg wet	3.333		96	40-140	9	30	
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140	7	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK61612 - 3546										
Benzo(a)pyrene	3.15	0.167	mg/kg wet	3.333		95	40-140	7	30	
Benzo(b)fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	7	30	
Benzo(g,h,i)perylene	3.51	0.333	mg/kg wet	3.333		105	40-140	6	30	
Benzo(k)fluoranthene	3.03	0.333	mg/kg wet	3.333		91	40-140	6	30	
Benzoic Acid	2.35	1.67	mg/kg wet	3.333		70	40-140	9	30	
Benzyl Alcohol	3.32	0.333	mg/kg wet	3.333		100	40-140	27	30	
bis(2-Chloroethoxy)methane	2.79	0.333	mg/kg wet	3.333		84	40-140	26	30	
bis(2-Chloroethyl)ether	2.54	0.333	mg/kg wet	3.333		76	40-140	25	30	
bis(2-chloroisopropyl)Ether	2.63	0.333	mg/kg wet	3.333		79	40-140	23	30	
bis(2-Ethylhexyl)phthalate	3.05	0.333	mg/kg wet	3.333		92	40-140	7	30	
Butylbenzylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140	6	30	
Carbazole	3.29	0.333	mg/kg wet	3.333		99	40-140	28	30	
Chrysene	2.93	0.167	mg/kg wet	3.333		88	40-140	4	30	
Dibenzo(a,h)Anthracene	3.49	0.167	mg/kg wet	3.333		105	40-140	6	30	
Dibenzofuran	2.87	0.333	mg/kg wet	3.333		86	40-140	16	30	
Diethylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	4	30	
Dimethylphthalate	2.96	0.333	mg/kg wet	3.333		89	40-140	8	30	
Di-n-butylphthalate	3.08	0.333	mg/kg wet	3.333		92	40-140	18	30	
Di-n-octylphthalate	3.29	0.333	mg/kg wet	3.333		99	40-140	7	30	
Fluoranthene	2.67	0.333	mg/kg wet	3.333		80	40-140	6	30	
Fluorene	2.98	0.333	mg/kg wet	3.333		89	40-140	14	30	
Hexachlorobenzene	3.07	0.167	mg/kg wet	3.333		92	40-140	10	30	
Hexachlorobutadiene	2.71	0.333	mg/kg wet	3.333		81	40-140	26	30	
Hexachlorocyclopentadiene	2.90	1.67	mg/kg wet	3.333		87	40-140	32	30	D+
Hexachloroethane	2.51	0.333	mg/kg wet	3.333		75	40-140	22	30	
Indeno(1,2,3-cd)Pyrene	3.45	0.333	mg/kg wet	3.333		103	40-140	6	30	
Isophorone	2.80	0.333	mg/kg wet	3.333		84	40-140	26	30	
Naphthalene	2.61	0.333	mg/kg wet	3.333		78	40-140	26	30	
Nitrobenzene	2.78	0.333	mg/kg wet	3.333		84	40-140	26	30	
N-Nitrosodimethylamine	2.25	0.333	mg/kg wet	3.333		68	40-140	23	30	
N-Nitroso-Di-n-Propylamine	2.69	0.333	mg/kg wet	3.333		81	40-140	22	30	
N-nitrosodiphenylamine	2.63	0.333	mg/kg wet	3.333		79	40-140	7	30	
Pentachlorophenol	3.12	1.67	mg/kg wet	3.333		94	30-130	4	30	
Phenanthrene	2.99	0.333	mg/kg wet	3.333		90	40-140	6	30	
Phenol	2.52	0.333	mg/kg wet	3.333		76	30-130	26	30	
Pyrene	3.12	0.333	mg/kg wet	3.333		93	40-140	8	30	
Pyridine	2.07	1.67	mg/kg wet	3.333		62	40-140	26	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.54*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.79*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2-Fluorophenol	*3.76*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: Phenol-d6	*3.87*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.00*		mg/kg wet	*3.333*		*90*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1611409

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1611409

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1611409
Date Received: 11/15/2016
Project Due Date: 11/22/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? NA
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 6.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 11/15/16 Time: 1304 By: JC

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	84005	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	84006	Yes	NA	Yes	VOA Vial - Other	Other	
01	84007	Yes	NA	Yes	VOA Vial - Other	Other	
01	84008	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	84011	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	84010	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	84009	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Date & Time: 11/15/16 1243
Reviewed By: Date & Time: 11/15/16 1304
Delivered By: 11/15/16 1304

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1611409

Turn Time _____ (Standard) Other_____

Regulatory State: MA (RP) CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - RDEC

Electonic Deliverables (Excel) Access (PDF)

Co. Name: GZA

Project #: 33554.90

Project Name: 121 Terminal Rd LNG Access Rd.

Contact Person: Meg Kilpatrick

Address: 530 Broadway

City: Providence

State: Rhode Island

Zip: 02909

PO #:

Tel. 401-421-4140

Fax.

email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	PP-13 metals	Arsenic					
1	11/15/16	9:38	C	S	PJ Keating 1½" dense grade	6, 1	4	AG V	4oz	X	X	X	X	X					
2	11/15/16	9:38	C	S	PJ Keating 1½" dense grade A	1	1	AG	8oz					X					
3	11/15/16	9:38	C	S	PJ Keating 1½" dense grade B	1	1	AG	8oz					X					
4	11/15/16	9:38	C	S	PJ Keating 1½" dense grade C	1	1	AG	8oz					X					

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 6.9 °C

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: Matthew Muto

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 11/15 12:25	11/15/16 1233		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

R.I. ANALYTICAL
Specialists in Environmental Services

LABORATORY REPORT

GZA / Geoenvironmental, Inc.
Attn: Ms. Meg Kilpatrick
530 Broadway
Providence, RI 02909

Date Received: 11/3/16
Date Reported: 11/9/16
Date Revised: 11/9/16 REV A

P.O. #:

Work Order #: 1611-25942

Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Enclosed are the analytical results and Chain of Custody for your project referenced above. The sample(s) were analyzed by our Warwick, RI laboratory. When applicable, subcontracted results are noted and reports are enclosed in their entirety.

All samples were analyzed within the established guidelines of 40 CFR part 136 approved methods with all requirements met, unless otherwise noted at the end of a given sample's analytical results or in a case narrative.

The Detection Limit is defined as the lowest level that can be reliably achieved during routine laboratory conditions.

These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:

Sharon Baker

Data Reporting

Laboratory Certification Numbers (as applicable to sample's origin state):
Warwick RI * RI LAI00033, MA M-RI015, CT PH-0508, ME RI00015, NH 2070, NY 11726

41 Illinois Avenue, Warwick, RI 02888
Phone: 401.737.8500 Fax: 401.738.1970

www.rianalytical.com

131 Coolidge Street, Suite 105, Hudson, MA 01749
Phone: 978.568.0041 Fax: 978.568.0078

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 001
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
TPH							
TPH GC/FID	<11	11	mg/kg dry	SW-846 8100M	11/7/16	16:53	KD
Surrogate			RANGE	SW-846 8100M	11/7/16	16:53	KD
2-Fluorobiphenyl	79		40-140%	SW-846 8100M	11/7/16	16:53	KD
Moisture	9.6		%	SM2540G 18-21ed	11/7/16	12:52	NS
Volatile Organic Compounds							
Benzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Bromobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Bromochloromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Bromodichloromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Bromoform	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Bromomethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
n-Butylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Sec-butylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
tert-Butylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Carbon Tetrachloride	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Chlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Chloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Chloroform	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Chloromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
2-Chlorotoluene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
4-Chlorotoluene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Dibromochloromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2-Dibromo-3-Chloropropane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2-Dibromoethane(EDB)	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Dibromomethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2-Dichlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,3-Dichlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,4-Dichlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Dichlorodifluoromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1-Dichloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2-Dichloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1-Dichloroethene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
cis-1,2-Dichloroethene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
trans-1,2-Dichloroethylene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2-Dichloropropane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,3-Dichloropropane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 001
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
2,2-Dichloropropane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1-Dichloropropene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Ethylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Hexachlorobutadiene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Isopropylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
p-Isopropyltoluene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Methylene Chloride	<0.20	0.20	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
n-Propylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Naphthalene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Styrene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1,1,2-Tetrachloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1,2,2-Tetrachloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Tetrachloroethene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Toluene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2,3-Trichlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2,4-Trichlorobenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1,1-Trichloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,1,2-Trichloroethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Trichloroethene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Trichlorofluoromethane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2,3-Trichloropropane	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,2,4-Trimethylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
1,3,5-Trimethylbenzene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Vinyl Chloride	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
o-Xylene	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
m,p-Xylene	<0.16	0.16	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
MTBE	<0.080	0.080	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
2-Butanone(MEK)	<0.80	0.80	mg/kg dry	SW-846 8260C	11/3/16	16:30	WL
Surrogates			RANGE				
Dibromofluoromethane	100		70-130%	SW-846 8260C	11/3/16	16:30	WL
Toluene-d8	97		70-130%	SW-846 8260C	11/3/16	16:30	WL
4-Bromofluorobenzene	97		70-130%	SW-846 8260C	11/3/16	16:30	WL
1,2 Dichloroethane-d4	100		70-130%	SW-846 8260C	11/3/16	16:30	WL
Extraction Date				SW-846 5035A	11/3/16	0:00	*CS
Semi-Volatile Organic Comp.							
Acenaphthene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Acenaphthylene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Anthracene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 001
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Benzidine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Benzo(a)anthracene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Benzo(b)fluoranthene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Benzo(k)fluoranthene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Benzo(g,h,i)perylene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Benzo(a)pyrene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Bis(2-chloroethyl)ether	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Bis(2-Chloroethoxy)methane	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Bis(2-Chloroisopropyl)Ether	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Bis(2-ethylhexyl)phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
4-Bromophenyl phenyl ether	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Butylbenzyl phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Chloronaphthalene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
4-Chlorophenyl phenyl ether	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Chrysene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Dibenzo(a,h)anthracene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Di-n-butyl phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
1,2-Dichlorobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
1,3-Dichlorobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
1,4-Dichlorobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
3,3'-Dichlorobenzidine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Diethyl phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Dimethyl phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4-Dinitrotoluene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,6-Dinitrotoluene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Di-n-octyl phthalate	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
1,2-Diphenylhydrazine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Fluoranthene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Fluorene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Hexachlorobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Hexachlorobutadiene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Hexachlorocyclopentadiene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Hexachloroethane	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Indeno(1,2,3-cd)pyrene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Isophorone	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Methylnaphthalene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Naphthalene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Nitrobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 001
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
N-nitrosodimethylamine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
N-nitrosodiphenylamine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
N-nitrosodi-n-propylamine	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Phenanthrene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Pyrene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
1,2,4-Trichlorobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
4-Chloro-3-methylphenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Chlorophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4-Dichlorophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4-Dimethylphenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Methyl-4,6-dinitrophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4-Dinitrophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Nitrophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
4-Nitrophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Pentachlorophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Phenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4,5-Trichlorophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2,4,6-Trichlorophenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
4-Chloroaniline	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Dibenzofuran	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
2-Methyl Phenol	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
3 & 4-Methylphenols	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Aniline	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Acetophenone	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Azobenzene	<0.37	0.37	mg/kg dry	SW-846 8270D	11/7/16	17:06	JEB
Surrogates			RANGE				
Phenol-d5	62		30-130%	SW-846 8270D	11/7/16	17:06	JEB
2-Fluorophenol	63		30-130%	SW-846 8270D	11/7/16	17:06	JEB
2,4,6-Tribromophenol	73		30-130%	SW-846 8270D	11/7/16	17:06	JEB
Nitrobenzene-d5	59		30-130%	SW-846 8270D	11/7/16	17:06	JEB
2-Fluorobiphenyl	64		30-130%	SW-846 8270D	11/7/16	17:06	JEB
P-Terphenyl-d14	71		30-130%	SW-846 8270D	11/7/16	17:06	JEB
Semi Extraction Date				SW-846 3546	11/7/16	12:43	JBW
Total Metals							
Antimony	<5.4	5.4	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Arsenic	<2.7	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Beryllium	<0.054	0.054	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Cadmium	1.5	0.27	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 001
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Chromium	35	1.6	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Copper	21	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Lead	4.4	2.2	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Mercury	<0.11	0.11	mg/kg dry	SW-846 7471B	11/4/16	14:21	RAT
Nickel	17	1.1	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Selenium	5.7	5.4	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Silver	<1.1	1.1	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Thallium	<2.7	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Zinc	54	2.2	mg/kg dry	SW-846 6010C	11/8/16	16:09	RBR
Percent Solids	90.4		%	SM2540G 18-21ed	11/7/16	12:52	NS
ICP Digestion				SW-846 3050B	11/8/16	14:30	MYE
Mercury Digestion				SW-846 7471B	11/4/16	13:14	MYE

Sample Number: 002
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE A
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Total Metals Analyzed by ICP							
Arsenic	<2.7	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:14	RBR
Percent Solids	91.6		%	SM2540G 18-21ed	11/7/16	12:52	NS
ICP Digestion				SW-846 3050B	11/8/16	14:30	MYE
Moisture	8.4		%	SM2540G 18-21ed	11/7/16	12:52	NS

R.I. Analytical Laboratories, Inc.

Laboratory Report

Approved by: Sharon Baker
Data Reporting

GZA / Geoenvironmental, Inc.
Work Order #: 1611-25942
Project Name: PROJECT# 33554.90 LNG ACCESS ROAD N. GRID

Sample Number: 003
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE B
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Total Metals Analyzed by ICP							
Arsenic	<2.7	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:18	RBR
Percent Solids	91.5		%	SM2540G 18-21ed	11/7/16	12:52	NS
ICP Digestion				SW-846 3050B	11/8/16	14:30	MYE
Moisture	8.5		%	SM2540G 18-21ed	11/7/16	12:52	NS

Sample Number: 004
Sample Description: PJ KEATING: 1 1/2" DENSE GRADE C
Sample Type : COMPOSITE
Sample Date / Time : 11/03/2016

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Total Metals Analyzed by ICP							
Arsenic	<2.7	2.7	mg/kg dry	SW-846 6010C	11/8/16	16:22	RBR
Percent Solids	90.7		%	SM2540G 18-21ed	11/7/16	12:52	NS
ICP Digestion				SW-846 3050B	11/8/16	14:30	MYE
Moisture	9.3		%	SM2540G 18-21ed	11/7/16	12:52	NS

R.I. Analytical Laboratories received Four Soil Samples from the GZA GeoEnvironmental Labs on November 3, 2016. The samples were transported and delivered to the laboratory in a cooler on ice (at 1.8 degrees C). The samples were received in good condition. Upon arrival, the sample was logged into our LIMS system and assigned a work order number of 1611-25942.

R.I. ANALYTICAL
Specialists in Environmental Services

CHAIN OF CUSTODY RECORD

41 Illinois Avenue
Warwick, RI 02888-3007
800-937-2580 • Fax: 401-738-1970

131 Coolidge St., Suite 105
Hudson, MA 01749-1331
800-937-2580 • Fax: 978-568-0078

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type C	Preservation Code P	Matrix Code M	TPH 8100	VOC 8260	SVOC 8270	PP-13 Metals	Arsenic
11/3/16	11:31	~~Card~~* 1½" dense grade	C	G,V	M,NP	S	X	X	X	X	X
11/3/16	11:31	~~Card~~* 1½" dense grade A	C	G	NP	S					X
11/3/16	11:31	~~Card~~* 1½" dense grade B	C	G	NP	S					X
11/3/16	11:31	~~Card~~* 1½" dense grade C	C	G	NP	S					X

*Change to PJ Keating 11/9/16

6

Client Information

Company Name: GZA
Address: 530 Broadway
City / State / Zip: Providence, RI 02909
Telephone: 401-421-4140 Fax:
Contact Person: Meg Kilpatrick

Project Information

Project Name: LNG Access Road N. Grid
P.O. Number:
Project Number: 33554.90
Report To: Meg Kilpatrick
Phone: 401-421-4140 Fax
Sampled By: Matthew Muto
Email report to these addresses: mkilpatrick@GZA.com, matthew.muto@GZA.com
Quote No:

Relinquished By Signatures	Date	Time	Received By Signatures	Date	Time
Matthew Muto	11/3/16	1342	L Dac	11-3-16	1342

Turn Around Time

- Normal — EMAIL Report
- 5 Business days. Possible surcharge
- X Rush – Date Due: 11/8/16

Project Comments

Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 MCP Data Enhancement QC Package? Yes No

N. Grid rates apply

Temp. Upon Receipt 1.8°C

Lab Use Only

- Sample Pick-Up Only
- RIAL sampled; attach field hours
- LY Shipped on ice
- Workorder No: 1611-25942

Containers: P=Poly, G=Glass, AG=Amber Glass, V=Vial, St=Sterile Preservatives: A=Ascorbic Acid, NH4=NH_4Cl, H=HCl, M=MeOH, N=HNO_3, NP=None, S=H_2SO_4, SB=$NaHSO_4$, SH=NaOH, T=$Na_2S_2O_3$, Z=ZnOAc
Matrix Codes: GW=Groundwater, SW=Surface Water, WW=Wastewater, DW=Drinking Water, S=Soil, SL=Sludge, A=Air, B=Bulk/Solid, WP=Wipe, O=

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1609426

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:44 pm, Sep 27, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

SAMPLE RECEIPT

The following samples were received on September 20, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on September 20, 2016 at 16:33.

Lab Number	Sample Name	Matrix	Analysis
1609426-01	Cardi 1 1/2" Dense Grade PIle 1	Soil	6010C, 6020A, 7471B, 8100M, 8260B, 8260B Low, 8270D
1609426-02	Cardi 1 1/2" Dense Grade PIle 2	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
1609426-03	Cardi 1 1/2" Dense Grade PIle 1A	Soil	6010C
1609426-04	Cardi 1 1/2" Dense Grade PIle 1B	Soil	6010C
1609426-05	Cardi 1 1/2" Dense Grade PIle 1C	Soil	7010
1609426-06	Cardi 1 1/2" Dense Grade PIle 2A	Soil	6010C
1609426-07	Cardi 1 1/2" Dense Grade PIle 2B	Soil	6010C
1609426-08	Cardi 1 1/2" Dense Grade PIle 2C	Soil	7010

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

1609426-01 **Internal Standard(s) outside of criteria (I).**
1,4-Dichlorobenzene-D4 (10% @ 50-200%), Chlorobenzene-d5 (13% @ 50-200%), Pentafluorobenzene (15% @ 50-200%)

5035/8260B Volatile Organic Compounds / Methanol

CI62321-BS1 **Blank Spike recovery is above upper control limit (B+).**
1,1-Dichloroethene (163% @ 70-130%), Methylene Chloride (203% @ 70-130%)

CI62321-BSD1 **Blank Spike recovery is above upper control limit (B+).**
1,1-Dichloroethene (159% @ 70-130%), Methylene Chloride (195% @ 70-130%)

CZI0320-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
1,1-Dichloroethene (43% @ 20%), Methylene Chloride (115% @ 30%)

8270D Semi-Volatile Organic Compounds

CZI0254-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (107% @ 80-120%), Benzoic Acid (90% @ 80-120%)

CZI0277-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (102% @ 80-120%), Benzoic Acid (85% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.49)		6020A		20	NAR	09/22/16 14:10	2.16	100	CI62201
Arsenic	ND (4.91)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Beryllium	**0.63** (0.22)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Cadmium	ND (0.98)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Chromium	ND (1.96)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Copper	**6.13** (4.91)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Lead	ND (9.82)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Mercury	ND (0.032)		7471B		1	BJV	09/21/16 13:38	0.66	40	CI62015
Nickel	ND (4.91)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Selenium	ND (0.49)		6020A		20	NAR	09/22/16 14:10	2.16	100	CI62201
Silver	ND (0.98)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201
Thallium	ND (0.49)		6020A		20	NAR	09/22/16 14:10	2.16	100	CI62201
Zinc	**45.9** (4.91)		6010C		2	KJK	09/22/16 17:22	2.16	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1,1-Trichloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1,2,2-Tetrachloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1,2-Trichloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1-Dichloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1-Dichloroethene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,1-Dichloropropene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2,3-Trichlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2,3-Trichloropropane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2,4-Trichlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2,4-Trimethylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2-Dibromo-3-Chloropropane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2-Dibromoethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2-Dichloroethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,2-Dichloropropane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,3,5-Trimethylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,3-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,3-Dichloropropane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,4-Dichlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1,4-Dioxane	ND (0.0930)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
1-Chlorohexane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
2,2-Dichloropropane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
2-Butanone	ND (0.0465)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
2-Chlorotoluene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
2-Hexanone	ND (0.0465)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
4-Chlorotoluene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
4-Isopropyltoluene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
4-Methyl-2-Pentanone	ND (0.0465)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Acetone	ND (0.0465)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Benzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Bromobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Bromodichloromethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Bromoform	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Bromomethane	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Carbon Disulfide	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Carbon Tetrachloride	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Chlorobenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Chloroethane	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Chloroform	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Chloromethane	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
cis-1,2-Dichloroethene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
cis-1,3-Dichloropropene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Dibromochloromethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Dibromomethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Dichlorodifluoromethane	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Diethyl Ether	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Di-isopropyl ether	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Ethyl tertiary-butyl ether	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Ethylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Hexachlorobutadiene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Isopropylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Methyl tert-Butyl Ether	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Methylene Chloride	ND (0.0232)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Naphthalene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
n-Butylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
n-Propylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
sec-Butylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Styrene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
tert-Butylbenzene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Tertiary-amyl methyl ether	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Tetrachloroethene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Tetrahydrofuran	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
trans-1,2-Dichloroethene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
trans-1,3-Dichloropropene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Trichloroethene	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Trichlorofluoromethane	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Vinyl Acetate	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Vinyl Chloride	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Xylene O	ND (0.0046)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Xylene P,M	ND (0.0093)		8260B Low		1	09/23/16 15:00	CZI0298	CI62224
Xylenes (Total)	ND (0.0093)		8260B Low		1	09/23/16 15:00		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*85 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*90 %*		*70-130*
Surrogate: Dibromofluoromethane	*90 %*		*70-130*
Surrogate: Toluene-d8	*109 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 18.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1,1-Trichloroethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1,2,2-Tetrachloroethane	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1,2-Trichloroethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1-Dichloroethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1-Dichloroethene	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,1-Dichloropropene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2,3-Trichlorobenzene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2,3-Trichloropropane	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2,4-Trichlorobenzene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2,4-Trimethylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2-Dibromo-3-Chloropropane	ND (0.915)	0.183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2-Dibromoethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2-Dichlorobenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2-Dichloroethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,2-Dichloropropane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,3,5-Trimethylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,3-Dichlorobenzene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,3-Dichloropropane	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,4-Dichlorobenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
1,4-Dioxane - Screen	ND (36.6)	34.8	8260B		1	09/23/16 15:36	CZI0320	CI62321
1-Chlorohexane	ND (0.183)	0.0732	8260B		1	09/23/16 15:36	CZI0320	CI62321
2,2-Dichloropropane	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
2-Butanone	ND (0.915)	0.622	8260B		1	09/23/16 15:36	CZI0320	CI62321
2-Chlorotoluene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
2-Hexanone	ND (0.915)	0.274	8260B		1	09/23/16 15:36	CZI0320	CI62321
4-Chlorotoluene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
4-Isopropyltoluene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
4-Methyl-2-Pentanone	ND (0.915)	0.293	8260B		1	09/23/16 15:36	CZI0320	CI62321
Acetone	**1.21** (0.915)	0.494	8260B		1	09/23/16 15:36	CZI0320	CI62321
Benzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Bromobenzene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 18.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Bromodichloromethane	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Bromoform	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Bromomethane	ND (0.183)	0.0732	8260B		1	09/23/16 15:36	CZI0320	CI62321
Carbon Disulfide	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Carbon Tetrachloride	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Chlorobenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Chloroethane	ND (0.183)	0.0732	8260B		1	09/23/16 15:36	CZI0320	CI62321
Chloroform	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Chloromethane	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
cis-1,2-Dichloroethene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
cis-1,3-Dichloropropene	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Dibromochloromethane	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Dibromomethane	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Dichlorodifluoromethane	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Diethyl Ether	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Di-isopropyl ether	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Ethyl tertiary-butyl ether	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Ethylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Hexachlorobutadiene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Isopropylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Methyl tert-Butyl Ether	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
Methylene Chloride	ND (0.366)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Naphthalene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
n-Butylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
n-Propylbenzene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
sec-Butylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Styrene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
tert-Butylbenzene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Tertiary-amyl methyl ether	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Tetrachloroethene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Tetrahydrofuran	ND (0.915)	0.293	8260B		1	09/23/16 15:36	CZI0320	CI62321

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 18.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
trans-1,2-Dichloroethene	ND (0.183)	0.0549	8260B		1	09/23/16 15:36	CZI0320	CI62321
trans-1,3-Dichloropropene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Trichloroethene	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Trichlorofluoromethane	ND (0.183)	0.0732	8260B		1	09/23/16 15:36	CZI0320	CI62321
Vinyl Acetate	ND (0.183)	0.0915	8260B		1	09/23/16 15:36	CZI0320	CI62321
Vinyl Chloride	ND (0.183)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Xylene O	ND (0.183)	0.0183	8260B		1	09/23/16 15:36	CZI0320	CI62321
Xylene P,M	ND (0.366)	0.0366	8260B		1	09/23/16 15:36	CZI0320	CI62321
Xylenes (Total)	ND (0.366)		8260B		1	09/23/16 15:36		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*102 %*		*70-130*
Surrogate: Dibromofluoromethane	*109 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 9/21/16 15:05

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.8)		8100M		1	09/21/16 22:47	CZI0292	CI62111

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*100 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
1,2,4-Trichlorobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
1,2-Dichlorobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
1,3-Dichlorobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
1,4-Dichlorobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,3,4,6-Tetrachlorophenol	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4,5-Trichlorophenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4,6-Trichlorophenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4-Dichlorophenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4-Dimethylphenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4-Dinitrophenol	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,4-Dinitrotoluene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2,6-Dinitrotoluene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Chloronaphthalene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Chlorophenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Methylnaphthalene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Methylphenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Nitroaniline	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
2-Nitrophenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
3,3´-Dichlorobenzidine	ND (0.698)		8270D		1	09/21/16 22:20	CZI0277	CI62009
3+4-Methylphenol	ND (0.698)		8270D		1	09/21/16 22:20	CZI0277	CI62009
3-Nitroaniline	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4,6-Dinitro-2-Methylphenol	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Bromophenyl-phenylether	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Chloro-3-Methylphenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Chloroaniline	ND (0.698)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Chloro-phenyl-phenyl ether	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Nitroaniline	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
4-Nitrophenol	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Acenaphthene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Acenaphthylene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Acetophenone	ND (0.698)		8270D		1	09/21/16 22:20	CZI0277	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.698)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Anthracene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Azobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzo(a)anthracene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzo(a)pyrene	ND (0.175)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzo(b)fluoranthene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzo(g,h,i)perylene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzo(k)fluoranthene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzoic Acid	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Benzyl Alcohol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
bis(2-Chloroethoxy)methane	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
bis(2-Chloroethyl)ether	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
bis(2-chloroisopropyl)Ether	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
bis(2-Ethylhexyl)phthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Butylbenzylphthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Carbazole	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Chrysene	ND (0.175)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Dibenzo(a,h)Anthracene	ND (0.175)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Dibenzofuran	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Diethylphthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Dimethylphthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Di-n-butylphthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Di-n-octylphthalate	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Fluoranthene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Fluorene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Hexachlorobenzene	ND (0.175)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Hexachlorobutadiene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Hexachlorocyclopentadiene	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Hexachloroethane	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Indeno(1,2,3-cd)Pyrene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Isophorone	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Naphthalene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1
Date Sampled: 09/20/16 11:45
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
N-Nitrosodimethylamine	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
N-Nitroso-Di-n-Propylamine	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
N-nitrosodiphenylamine	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Pentachlorophenol	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Phenanthrene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Phenol	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Pyrene	ND (0.348)		8270D		1	09/21/16 22:20	CZI0277	CI62009
Pyridine	ND (1.75)		8270D		1	09/21/16 22:20	CZI0277	CI62009

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*69 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*68 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: Phenol-d6	*69 %*		*30-130*
Surrogate: p-Terphenyl-d14	*89 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.45)		6020A		20	NAR	09/22/16 14:16	2.27	100	CI62201
Arsenic	ND (6.82)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Beryllium	**0.45** (0.30)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Cadmium	ND (1.36)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Chromium	ND (2.73)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Copper	ND (6.82)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Lead	ND (13.6)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Mercury	ND (0.028)		7471B		1	BJV	09/21/16 13:40	0.73	40	CI62015
Nickel	ND (6.82)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Selenium	ND (0.45)		6020A		20	NAR	09/22/16 14:16	2.27	100	CI62201
Silver	ND (1.36)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201
Thallium	ND (0.45)		6020A		20	NAR	09/22/16 14:16	2.27	100	CI62201
Zinc	**68.2** (6.82)		6010C		3	KJK	09/22/16 18:29	2.27	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 5.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1,1-Trichloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1,2,2-Tetrachloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1,2-Trichloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1-Dichloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1-Dichloroethene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,1-Dichloropropene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2,3-Trichlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2,3-Trichloropropane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2,4-Trichlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2,4-Trimethylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2-Dibromo-3-Chloropropane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2-Dibromoethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2-Dichlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2-Dichloroethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,2-Dichloropropane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,3,5-Trimethylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,3-Dichlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,3-Dichloropropane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,4-Dichlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1,4-Dioxane	ND (0.0956)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
1-Chlorohexane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
2,2-Dichloropropane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
2-Butanone	ND (0.0478)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
2-Chlorotoluene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
2-Hexanone	ND (0.0478)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
4-Chlorotoluene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
4-Isopropyltoluene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
4-Methyl-2-Pentanone	ND (0.0478)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Acetone	ND (0.0478)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Benzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Bromobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 5.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Bromodichloromethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Bromoform	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Bromomethane	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Carbon Disulfide	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Carbon Tetrachloride	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Chlorobenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Chloroethane	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Chloroform	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Chloromethane	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
cis-1,2-Dichloroethene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
cis-1,3-Dichloropropene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Dibromochloromethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Dibromomethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Dichlorodifluoromethane	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Diethyl Ether	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Di-isopropyl ether	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Ethyl tertiary-butyl ether	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Ethylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Hexachlorobutadiene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Isopropylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Methyl tert-Butyl Ether	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Methylene Chloride	ND (0.0239)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Naphthalene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
n-Butylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
n-Propylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
sec-Butylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Styrene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
tert-Butylbenzene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Tertiary-amyl methyl ether	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Tetrachloroethene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Tetrahydrofuran	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 5.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
trans-1,2-Dichloroethene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
trans-1,3-Dichloropropene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Trichloroethene	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Trichlorofluoromethane	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Vinyl Acetate	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Vinyl Chloride	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Xylene O	ND (0.0048)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Xylene P,M	ND (0.0096)		8260B Low		1	09/23/16 15:27	CZI0298	CI62224
Xylenes (Total)	ND (0.0096)		8260B Low		1	09/23/16 15:27		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*97 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*107 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 9/21/16 15:05

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.7)		8100M		1	09/21/16 23:27	CZI0292	CI62111

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*99 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
1,2,4-Trichlorobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
1,2-Dichlorobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
1,3-Dichlorobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
1,4-Dichlorobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,3,4,6-Tetrachlorophenol	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4,5-Trichlorophenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4,6-Trichlorophenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4-Dichlorophenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4-Dimethylphenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4-Dinitrophenol	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,4-Dinitrotoluene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2,6-Dinitrotoluene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Chloronaphthalene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Chlorophenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Methylnaphthalene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Methylphenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Nitroaniline	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
2-Nitrophenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
3,3´-Dichlorobenzidine	ND (0.707)		8270D		1	09/21/16 22:56	CZI0277	CI62009
3+4-Methylphenol	ND (0.707)		8270D		1	09/21/16 22:56	CZI0277	CI62009
3-Nitroaniline	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4,6-Dinitro-2-Methylphenol	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Bromophenyl-phenylether	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Chloro-3-Methylphenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Chloroaniline	ND (0.707)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Chloro-phenyl-phenyl ether	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Nitroaniline	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
4-Nitrophenol	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Acenaphthene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Acenaphthylene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Acetophenone	ND (0.707)		8270D		1	09/21/16 22:56	CZI0277	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.707)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Anthracene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Azobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzo(a)anthracene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzo(a)pyrene	ND (0.177)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzo(b)fluoranthene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzo(g,h,i)perylene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzo(k)fluoranthene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzoic Acid	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Benzyl Alcohol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
bis(2-Chloroethoxy)methane	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
bis(2-Chloroethyl)ether	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
bis(2-chloroisopropyl)Ether	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
bis(2-Ethylhexyl)phthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Butylbenzylphthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Carbazole	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Chrysene	ND (0.177)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Dibenzo(a,h)Anthracene	ND (0.177)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Dibenzofuran	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Diethylphthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Dimethylphthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Di-n-butylphthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Di-n-octylphthalate	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Fluoranthene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Fluorene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Hexachlorobenzene	ND (0.177)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Hexachlorobutadiene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Hexachlorocyclopentadiene	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Hexachloroethane	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Indeno(1,2,3-cd)Pyrene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Isophorone	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Naphthalene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2
Date Sampled: 09/20/16 11:48
Percent Solids: 97
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 17:48

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
N-Nitrosodimethylamine	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
N-Nitroso-Di-n-Propylamine	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
N-nitrosodiphenylamine	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Pentachlorophenol	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Phenanthrene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Phenol	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Pyrene	ND (0.353)		8270D		1	09/21/16 22:56	CZI0277	CI62009
Pyridine	ND (1.77)		8270D		1	09/21/16 22:56	CZI0277	CI62009

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*64 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*71 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1A
Date Sampled: 09/20/16 11:45
Percent Solids: 93

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (3.99)		6010C		2	KJK	09/22/16 17:30	2.7	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1B
Date Sampled: 09/20/16 11:45
Percent Solids: 96

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (4.95)		6010C		2	KJK	09/22/16 17:35	2.11	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 1C
Date Sampled: 09/20/16 11:45
Percent Solids: 95

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.02)		7010		5	DEL	09/26/16 16:59	2.57	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2A
Date Sampled: 09/20/16 11:48
Percent Solids: 97

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (5.88)		6010C		3	KJK	09/22/16 18:38	2.63	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2B
Date Sampled: 09/20/16 11:48
Percent Solids: 97

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (5.41)		6010C		3	KJK	09/22/16 18:42	2.86	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 1 1/2" Dense Grade PIle 2C
Date Sampled: 09/20/16 11:48
Percent Solids: 96

ESS Laboratory Work Order: 1609426
ESS Laboratory Sample ID: 1609426-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (0.84)		7010		5	DEL	09/26/16 17:04	3.09	100	CI62201

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				Total Metals						
Batch CI62015 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	16.3	1.94	mg/kg wet	15.90		102	80-120			
LCS Dup										
Mercury	17.0	1.87	mg/kg wet	15.90		107	80-120	4	20	
Batch CI62201 - 3050B										
Blank										
Antimony	ND	0.50	mg/kg wet							
Arsenic	ND	0.25	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	137	24.5	mg/kg wet	100.0		137	19-257			
Arsenic	154	9.80	mg/kg wet	161.0		96	80-120			
Arsenic	148	24.5	mg/kg wet	161.0		92	80-120			
Beryllium	88.3	0.43	mg/kg wet	89.40		99	80-120			
Cadmium	186	1.96	mg/kg wet	190.0		98	80-120			
Chromium	83.0	3.92	mg/kg wet	87.90		94	80-120			
Copper	248	9.80	mg/kg wet	258.0		96	80-120			
Lead	139	19.6	mg/kg wet	138.0		101	80-120			
Nickel	125	9.80	mg/kg wet	127.0		98	80-120			
Selenium	314	24.5	mg/kg wet	305.0		103	80-120			
Silver	57.5	1.96	mg/kg wet	58.00		99	80-120			
Thallium	84.0	24.5	mg/kg wet	89.80		94	80-120			
Zinc	164	9.80	mg/kg wet	173.0		95	80-120			
LCS Dup										
Antimony	132	22.7	mg/kg wet	100.0		132	19-257	4	30	
Arsenic	153	9.09	mg/kg wet	161.0		95	80-120	0.6	20	
Arsenic	132	22.7	mg/kg wet	161.0		82	80-120	11	20	
Beryllium	88.4	0.40	mg/kg wet	89.40		99	80-120	0.1	20	
Cadmium	185	1.82	mg/kg wet	190.0		98	80-120	0.3	20	
Chromium	82.8	3.64	mg/kg wet	87.90		94	80-120	0.2	20	
Copper	248	9.09	mg/kg wet	258.0		96	80-120	0.03	20	
Lead	138	18.2	mg/kg wet	138.0		100	80-120	0.9	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CI62201 - 3050B										
Nickel	124	9.09	mg/kg wet	127.0		98	80-120	0.7	20	
Selenium	302	22.7	mg/kg wet	305.0		99	80-120	4	30	
Silver	57.4	1.82	mg/kg wet	58.00		99	80-120	0.1	20	
Thallium	81.1	22.7	mg/kg wet	89.80		90	80-120	3	30	
Zinc	162	9.09	mg/kg wet	173.0		94	80-120	0.8	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0465*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0475*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0540*		mg/kg wet	*0.05000*		*108*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
1,1,1-Trichloroethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
1,1,2,2-Tetrachloroethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,2-Trichloroethane	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
1,1-Dichloroethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloropropene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,3-Trichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,2,4-Trichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,4-Trimethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dibromo-3-Chloropropane	0.0408	0.0050	mg/kg wet	0.05000		82	70-130			
1,2-Dibromoethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloroethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloropropane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
1,3,5-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,3-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,4-Dioxane	0.949	0.100	mg/kg wet	1.000		95	70-130			
1-Chlorohexane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
2,2-Dichloropropane	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
2-Butanone	0.236	0.0500	mg/kg wet	0.2500		95	70-130			
2-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
2-Hexanone	0.221	0.0500	mg/kg wet	0.2500		88	70-130			
4-Chlorotoluene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
4-Isopropyltoluene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.219	0.0500	mg/kg wet	0.2500		88	70-130			
Acetone	0.224	0.0500	mg/kg wet	0.2500		90	70-130			
Benzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Bromochloromethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Bromodichloromethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Bromoform	0.0416	0.0050	mg/kg wet	0.05000		83	70-130			
Bromomethane	0.0489	0.0100	mg/kg wet	0.05000		98	70-130			
Carbon Disulfide	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Carbon Tetrachloride	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Chlorobenzene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
Chloroethane	0.0473	0.0100	mg/kg wet	0.05000		95	70-130			
Chloroform	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Chloromethane	0.0514	0.0100	mg/kg wet	0.05000		103	70-130			
cis-1,2-Dichloroethene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
cis-1,3-Dichloropropene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Dibromomethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Dichlorodifluoromethane	0.0429	0.0100	mg/kg wet	0.05000		86	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
Diethyl Ether	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Di-isopropyl ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Ethyl tertiary-butyl ether	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Ethylbenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Hexachlorobutadiene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Isopropylbenzene	0.0420	0.0050	mg/kg wet	0.05000		84	70-130			
Methyl tert-Butyl Ether	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Methylene Chloride	0.0438	0.0250	mg/kg wet	0.05000		88	70-130			
Naphthalene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
n-Butylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
n-Propylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
sec-Butylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Styrene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
tert-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Tertiary-amyl methyl ether	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Tetrachloroethene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Tetrahydrofuran	0.0403	0.0050	mg/kg wet	0.05000		81	70-130			
Toluene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
trans-1,2-Dichloroethene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,3-Dichloropropene	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Trichlorofluoromethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Vinyl Acetate	0.0400	0.0050	mg/kg wet	0.05000		80	70-130			
Vinyl Chloride	0.0503	0.0100	mg/kg wet	0.05000		101	70-130			
Xylene O	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0978	0.0100	mg/kg wet	0.1000		98	70-130			
Xylenes (Total)	0.145	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,1,1-Trichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
1,1,2,2-Tetrachloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
1,1,2-Trichloroethane	0.0458	0.0050	mg/kg wet	0.05000		92	70-130	1	25	
1,1-Dichloroethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	0.4	25	
1,1-Dichloroethene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	0.7	25	
1,1-Dichloropropene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
1,2,3-Trichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,2,3-Trichloropropane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
1,2,4-Trichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
1,2,4-Trimethylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	0.2	25	
1,2-Dibromo-3-Chloropropane	0.0404	0.0050	mg/kg wet	0.05000		81	70-130	1	25	
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
1,2-Dichlorobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
1,2-Dichloroethane	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	1	25	
1,2-Dichloropropane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
1,3,5-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	0.1	25	
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0	25	
1,3-Dichloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
1,4-Dichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	0.04	25	
1,4-Dioxane	0.966	0.100	mg/kg wet	1.000		97	70-130	2	20	
1-Chlorohexane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
2,2-Dichloropropane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
2-Butanone	0.235	0.0500	mg/kg wet	0.2500		94	70-130	0.4	25	
2-Chlorotoluene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	0.5	25	
2-Hexanone	0.226	0.0500	mg/kg wet	0.2500		90	70-130	2	25	
4-Chlorotoluene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	0.7	25	
4-Isopropyltoluene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	0.7	25	
4-Methyl-2-Pentanone	0.219	0.0500	mg/kg wet	0.2500		88	70-130	0.09	25	
Acetone	0.228	0.0500	mg/kg wet	0.2500		91	70-130	2	25	
Benzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	0.9	25	
Bromobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	1	25	
Bromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Bromodichloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	0.2	25	
Bromoform	0.0425	0.0050	mg/kg wet	0.05000		85	70-130	2	25	
Bromomethane	0.0461	0.0100	mg/kg wet	0.05000		92	70-130	6	25	
Carbon Disulfide	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	1	25	
Carbon Tetrachloride	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Chlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Chloroethane	0.0463	0.0100	mg/kg wet	0.05000		93	70-130	2	25	
Chloroform	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	2	25	
Chloromethane	0.0501	0.0100	mg/kg wet	0.05000		100	70-130	3	25	
cis-1,2-Dichloroethene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.8	25	
cis-1,3-Dichloropropene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	0.5	25	
Dibromochloromethane	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
Dibromomethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	0.6	25	
Dichlorodifluoromethane	0.0416	0.0100	mg/kg wet	0.05000		83	70-130	3	25	
Diethyl Ether	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Di-isopropyl ether	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
Ethyl tertiary-butyl ether	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
Ethylbenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	0.8	25	
Hexachlorobutadiene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.9	25	
Isopropylbenzene	0.0420	0.0050	mg/kg wet	0.05000		84	70-130	0.05	25	
Methyl tert-Butyl Ether	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	0.04	25	
Methylene Chloride	0.0432	0.0250	mg/kg wet	0.05000		86	70-130	1	25	
Naphthalene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	4	25	
n-Butylbenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	0.7	25	
n-Propylbenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	0.2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CI62224 - 5035										
sec-Butylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	0.1	25	
Styrene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	1	25	
tert-Butylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.4	25	
Tertiary-amyl methyl ether	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
Tetrachloroethene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	0.4	25	
Tetrahydrofuran	0.0415	0.0050	mg/kg wet	0.05000		83	70-130	3	25	
Toluene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
trans-1,2-Dichloroethene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.7	25	
trans-1,3-Dichloropropene	0.0425	0.0050	mg/kg wet	0.05000		85	70-130	0.3	25	
Trichloroethene	0.0458	0.0050	mg/kg wet	0.05000		92	70-130	2	25	
Trichlorofluoromethane	0.0415	0.0050	mg/kg wet	0.05000		83	70-130	2	25	
Vinyl Acetate	0.0424	0.0050	mg/kg wet	0.05000		85	70-130	6	25	
Vinyl Chloride	0.0494	0.0100	mg/kg wet	0.05000		99	70-130	2	25	
Xylene O	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Xylene P,M	0.0987	0.0100	mg/kg wet	0.1000		99	70-130	0.9	25	
Xylenes (Total)	0.147	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.02*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.37*		mg/kg wet	*5.000*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*5.03*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Toluene-d8	*4.53*		mg/kg wet	*5.000*		*91*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1,1-Trichloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,1,2,2-Tetrachloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130			
1,1,2-Trichloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,1-Dichloroethane	1.68	0.200	mg/kg wet	2.000		84	70-130			
1,1-Dichloroethene	3.27	0.200	mg/kg wet	2.000		163	70-130			B+
1,1-Dichloropropene	1.89	0.200	mg/kg wet	2.000		95	70-130			
1,2,3-Trichlorobenzene	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,2,3-Trichloropropane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,2,4-Trichlorobenzene	1.89	0.200	mg/kg wet	2.000		95	70-130			
1,2,4-Trimethylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dibromo-3-Chloropropane	1.82	1.00	mg/kg wet	2.000		91	70-130			
1,2-Dibromoethane	1.78	0.200	mg/kg wet	2.000		89	70-130			
1,2-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichloroethane	1.89	0.200	mg/kg wet	2.000		94	70-130			
1,2-Dichloropropane	1.64	0.200	mg/kg wet	2.000		82	70-130			
1,3,5-Trimethylbenzene	1.92	0.200	mg/kg wet	2.000		96	70-130			
1,3-Dichlorobenzene	1.84	0.200	mg/kg wet	2.000		92	70-130			
1,3-Dichloropropane	1.79	0.200	mg/kg wet	2.000		90	70-130			
1,4-Dichlorobenzene	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,4-Dioxane - Screen	73.9	40.0	mg/kg wet	40.00		185	44-241			
1-Chlorohexane	1.82	0.200	mg/kg wet	2.000		91	70-130			
2,2-Dichloropropane	1.85	0.200	mg/kg wet	2.000		93	70-130			
2-Butanone	9.87	1.00	mg/kg wet	10.00		99	70-130			
2-Chlorotoluene	1.83	0.200	mg/kg wet	2.000		92	70-130			
2-Hexanone	8.53	1.00	mg/kg wet	10.00		85	70-130			
4-Chlorotoluene	1.87	0.200	mg/kg wet	2.000		94	70-130			
4-Isopropyltoluene	1.93	0.200	mg/kg wet	2.000		97	70-130			
4-Methyl-2-Pentanone	9.11	1.00	mg/kg wet	10.00		91	70-130			
Acetone	9.61	1.00	mg/kg wet	10.00		96	70-130			
Benzene	1.83	0.200	mg/kg wet	2.000		92	70-130			
Bromobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Bromochloromethane	1.91	0.200	mg/kg wet	2.000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
Bromodichloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
Bromoform	1.60	0.200	mg/kg wet	2.000		80	70-130			
Bromomethane	1.81	0.200	mg/kg wet	2.000		90	70-130			
Carbon Disulfide	1.96	0.200	mg/kg wet	2.000		98	70-130			
Carbon Tetrachloride	1.84	0.200	mg/kg wet	2.000		92	70-130			
Chlorobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130			
Chloroethane	1.58	0.200	mg/kg wet	2.000		79	70-130			
Chloroform	1.85	0.200	mg/kg wet	2.000		93	70-130			
Chloromethane	1.91	0.200	mg/kg wet	2.000		95	70-130			
cis-1,2-Dichloroethene	1.92	0.200	mg/kg wet	2.000		96	70-130			
cis-1,3-Dichloropropene	1.89	0.200	mg/kg wet	2.000		95	70-130			
Dibromochloromethane	1.89	0.200	mg/kg wet	2.000		94	70-130			
Dibromomethane	1.73	0.200	mg/kg wet	2.000		87	70-130			
Dichlorodifluoromethane	1.46	0.200	mg/kg wet	2.000		73	70-130			
Diethyl Ether	1.88	0.200	mg/kg wet	2.000		94	70-130			
Di-isopropyl ether	1.98	0.200	mg/kg wet	2.000		99	70-130			
Ethyl tertiary-butyl ether	1.90	0.200	mg/kg wet	2.000		95	70-130			
Ethylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130			
Hexachlorobutadiene	2.07	0.200	mg/kg wet	2.000		104	70-130			
Isopropylbenzene	1.54	0.200	mg/kg wet	2.000		77	70-130			
Methyl tert-Butyl Ether	1.98	0.200	mg/kg wet	2.000		99	70-130			
Methylene Chloride	4.06	0.400	mg/kg wet	2.000		203	70-130			B+
Naphthalene	2.09	0.200	mg/kg wet	2.000		104	70-130			
n-Butylbenzene	1.89	0.200	mg/kg wet	2.000		94	70-130			
n-Propylbenzene	1.83	0.200	mg/kg wet	2.000		92	70-130			
sec-Butylbenzene	1.85	0.200	mg/kg wet	2.000		93	70-130			
Styrene	1.86	0.200	mg/kg wet	2.000		93	70-130			
tert-Butylbenzene	1.80	0.200	mg/kg wet	2.000		90	70-130			
Tertiary-amyl methyl ether	1.88	0.200	mg/kg wet	2.000		94	70-130			
Tetrachloroethene	1.84	0.200	mg/kg wet	2.000		92	70-130			
Tetrahydrofuran	1.79	1.00	mg/kg wet	2.000		89	70-130			
Toluene	1.85	0.200	mg/kg wet	2.000		92	70-130			
trans-1,2-Dichloroethene	1.87	0.200	mg/kg wet	2.000		94	70-130			
trans-1,3-Dichloropropene	1.84	0.200	mg/kg wet	2.000		92	70-130			
Trichloroethene	1.72	0.200	mg/kg wet	2.000		86	70-130			
Vinyl Acetate	1.81	0.200	mg/kg wet	2.000		90	70-130			
Vinyl Chloride	1.72	0.200	mg/kg wet	2.000		86	70-130			
Xylene O	1.87	0.200	mg/kg wet	2.000		94	70-130			
Xylene P,M	3.79	0.400	mg/kg wet	4.000		95	70-130			
Xylenes (Total)	5.66	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.55*		mg/kg wet	*5.000*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*5.11*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*5.04*		mg/kg wet	*5.000*		*101*	*70-130*			
LCS Dup										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
1,1,1,2-Tetrachloroethane	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
1,1,1-Trichloroethane	1.87	0.200	mg/kg wet	2.000		93	70-130	0.2	25	
1,1,2,2-Tetrachloroethane	1.93	0.200	mg/kg wet	2.000		96	70-130	1	25	
1,1,2-Trichloroethane	1.73	0.200	mg/kg wet	2.000		87	70-130	5	25	
1,1-Dichloroethane	1.84	0.200	mg/kg wet	2.000		92	70-130	9	25	
1,1-Dichloroethene	3.19	0.200	mg/kg wet	2.000		159	70-130	2	25	B+
1,1-Dichloropropene	1.82	0.200	mg/kg wet	2.000		91	70-130	4	25	
1,2,3-Trichlorobenzene	1.89	0.200	mg/kg wet	2.000		95	70-130	3	25	
1,2,3-Trichloropropane	1.70	0.200	mg/kg wet	2.000		85	70-130	6	25	
1,2,4-Trichlorobenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,2,4-Trimethylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	1	25	
1,2-Dibromo-3-Chloropropane	1.60	1.00	mg/kg wet	2.000		80	70-130	13	25	
1,2-Dibromoethane	1.81	0.200	mg/kg wet	2.000		91	70-130	2	25	
1,2-Dichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	2	25	
1,2-Dichloroethane	1.92	0.200	mg/kg wet	2.000		96	70-130	2	25	
1,2-Dichloropropane	1.69	0.200	mg/kg wet	2.000		84	70-130	3	25	
1,3,5-Trimethylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	3	25	
1,3-Dichlorobenzene	1.83	0.200	mg/kg wet	2.000		91	70-130	0.9	25	
1,3-Dichloropropane	1.88	0.200	mg/kg wet	2.000		94	70-130	5	25	
1,4-Dichlorobenzene	1.95	0.200	mg/kg wet	2.000		98	70-130	0	25	
1,4-Dioxane - Screen	51.4	40.0	mg/kg wet	40.00		128	44-241	36	200	
1-Chlorohexane	1.84	0.200	mg/kg wet	2.000		92	70-130	1	25	
2,2-Dichloropropane	1.87	0.200	mg/kg wet	2.000		94	70-130	1	25	
2-Butanone	9.06	1.00	mg/kg wet	10.00		91	70-130	9	25	
2-Chlorotoluene	1.98	0.200	mg/kg wet	2.000		99	70-130	8	25	
2-Hexanone	8.70	1.00	mg/kg wet	10.00		87	70-130	2	25	
4-Chlorotoluene	1.85	0.200	mg/kg wet	2.000		92	70-130	1	25	
4-Isopropyltoluene	2.02	0.200	mg/kg wet	2.000		101	70-130	4	25	
4-Methyl-2-Pentanone	8.95	1.00	mg/kg wet	10.00		89	70-130	2	25	
Acetone	8.00	1.00	mg/kg wet	10.00		80	70-130	18	25	
Benzene	1.88	0.200	mg/kg wet	2.000		94	70-130	2	25	
Bromobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130	2	25	
Bromochloromethane	1.86	0.200	mg/kg wet	2.000		93	70-130	3	25	
Bromodichloromethane	1.83	0.200	mg/kg wet	2.000		92	70-130	5	25	
Bromoform	1.68	0.200	mg/kg wet	2.000		84	70-130	5	25	
Bromomethane	1.82	0.200	mg/kg wet	2.000		91	70-130	1	25	
Carbon Disulfide	1.93	0.200	mg/kg wet	2.000		96	70-130	2	25	
Carbon Tetrachloride	1.95	0.200	mg/kg wet	2.000		98	70-130	6	25	
Chlorobenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
Chloroethane	1.81	0.200	mg/kg wet	2.000		90	70-130	14	25	
Chloroform	1.83	0.200	mg/kg wet	2.000		92	70-130	1	25	
Chloromethane	1.82	0.200	mg/kg wet	2.000		91	70-130	4	25	
cis-1,2-Dichloroethene	1.93	0.200	mg/kg wet	2.000		97	70-130	0.8	25	
cis-1,3-Dichloropropene	1.83	0.200	mg/kg wet	2.000		92	70-130	3	25	
Dibromochloromethane	1.88	0.200	mg/kg wet	2.000		94	70-130	0.5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62321 - 5035										
Dibromomethane	1.71	0.200	mg/kg wet	2.000		86	70-130	1	25	
Dichlorodifluoromethane	1.53	0.200	mg/kg wet	2.000		77	70-130	5	25	
Diethyl Ether	1.78	0.200	mg/kg wet	2.000		89	70-130	5	25	
Di-isopropyl ether	1.98	0.200	mg/kg wet	2.000		99	70-130	0	25	
Ethyl tertiary-butyl ether	1.82	0.200	mg/kg wet	2.000		91	70-130	4	25	
Ethylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	4	25	
Hexachlorobutadiene	1.96	0.200	mg/kg wet	2.000		98	70-130	6	25	
Isopropylbenzene	1.60	0.200	mg/kg wet	2.000		80	70-130	4	25	
Methyl tert-Butyl Ether	1.86	0.200	mg/kg wet	2.000		93	70-130	6	25	
Methylene Chloride	3.90	0.400	mg/kg wet	2.000		195	70-130	4	25	B+
Naphthalene	1.93	0.200	mg/kg wet	2.000		97	70-130	8	25	
n-Butylbenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
n-Propylbenzene	1.91	0.200	mg/kg wet	2.000		96	70-130	4	25	
sec-Butylbenzene	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Styrene	1.85	0.200	mg/kg wet	2.000		93	70-130	0.2	25	
tert-Butylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	4	25	
Tertiary-amyl methyl ether	1.87	0.200	mg/kg wet	2.000		93	70-130	0.5	25	
Tetrachloroethene	1.90	0.200	mg/kg wet	2.000		95	70-130	4	25	
Tetrahydrofuran	1.77	1.00	mg/kg wet	2.000		89	70-130	0.9	25	
Toluene	1.87	0.200	mg/kg wet	2.000		94	70-130	1	25	
trans-1,2-Dichloroethene	1.98	0.200	mg/kg wet	2.000		99	70-130	6	25	
trans-1,3-Dichloropropene	1.77	0.200	mg/kg wet	2.000		88	70-130	4	25	
Trichloroethene	1.69	0.200	mg/kg wet	2.000		84	70-130	2	25	
Vinyl Acetate	1.79	0.200	mg/kg wet	2.000		90	70-130	0.7	25	
Vinyl Chloride	1.91	0.200	mg/kg wet	2.000		95	70-130	11	25	
Xylene O	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
Xylene P,M	3.93	0.400	mg/kg wet	4.000		98	70-130	4	25	
Xylenes (Total)	5.85	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.24*		mg/kg wet	*5.000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.10*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*5.14*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*5.24*		mg/kg wet	*5.000*		*105*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CI62111 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI62111 - 3546										
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.14*		mg/kg wet	*5.000*		*103*	*40-140*			
LCS										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Docosane (C22)	2.5	0.2	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		98	40-140			
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		98	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		75	30-140			
Octacosane (C28)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Total Petroleum Hydrocarbons	33.1	37.5	mg/kg wet	35.00		95	40-140			
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Surrogate: O-Terphenyl	*5.22*		mg/kg wet	*5.000*		*104*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		79	40-140	6	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140	8	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		86	40-140	7	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140	8	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140	8	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		90	40-140	9	25	
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		85	40-140	8	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140	8	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		91	40-140	8	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140	8	25	
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140	8	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		86	40-140	8	25	
Total Petroleum Hydrocarbons	30.3	37.5	mg/kg wet	35.00		87	40-140	9	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140	8	25	
Surrogate: O-Terphenyl	*4.86*		mg/kg wet	*5.000*		*97*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Blank										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.73*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.06*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.15*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.08*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS										
1,1-Biphenyl	2.23	0.333	mg/kg wet	3.333		67	40-140			
1,2,4-Trichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140			
1,3-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140			
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
2,3,4,6-Tetrachlorophenol	2.25	1.67	mg/kg wet	3.333		67	30-130			
2,4,5-Trichlorophenol	2.55	0.333	mg/kg wet	3.333		76	30-130			
2,4,6-Trichlorophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
2,4-Dichlorophenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dimethylphenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dinitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
2,4-Dinitrotoluene	2.66	0.333	mg/kg wet	3.333		80	40-140			
2,6-Dinitrotoluene	2.39	0.333	mg/kg wet	3.333		72	40-140			
2-Chloronaphthalene	2.08	0.333	mg/kg wet	3.333		62	40-140			
2-Chlorophenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
2-Methylnaphthalene	2.17	0.333	mg/kg wet	3.333		65	40-140			
2-Methylphenol	2.22	0.333	mg/kg wet	3.333		67	30-130			
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		67	40-140			
2-Nitrophenol	2.17	0.333	mg/kg wet	3.333		65	30-130			
3,3´-Dichlorobenzidine	2.38	0.667	mg/kg wet	3.333		71	40-140			
3+4-Methylphenol	5.06	0.667	mg/kg wet	6.667		76	30-130			
3-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140			
4,6-Dinitro-2-Methylphenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
4-Bromophenyl-phenylether	2.41	0.333	mg/kg wet	3.333		72	40-140			
4-Chloro-3-Methylphenol	2.38	0.333	mg/kg wet	3.333		71	30-130			
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140			
4-Chloro-phenyl-phenyl ether	2.28	0.333	mg/kg wet	3.333		68	40-140			
4-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140			
4-Nitrophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.29	0.333	mg/kg wet	3.333		69	40-140			
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.20	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.86	0.667	mg/kg wet	3.333		56	40-140			
Anthracene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Benzo(a)anthracene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzoic Acid	2.00	1.67	mg/kg wet	3.333		60	40-140			
Benzyl Alcohol	2.16	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethoxy)methane	2.19	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethyl)ether	2.09	0.333	mg/kg wet	3.333		63	40-140			
bis(2-chloroisopropyl)Ether	2.16	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Ethylhexyl)phthalate	2.52	0.333	mg/kg wet	3.333		76	40-140			
Butylbenzylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140			
Carbazole	2.67	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.58	0.167	mg/kg wet	3.333		77	40-140			
Dibenzo(a,h)Anthracene	2.63	0.167	mg/kg wet	3.333		79	40-140			
Dibenzofuran	2.27	0.333	mg/kg wet	3.333		68	40-140			
Diethylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.41	0.333	mg/kg wet	3.333		72	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Di-n-butylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorobenzene	2.47	0.167	mg/kg wet	3.333		74	40-140			
Hexachlorobutadiene	2.07	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.62	1.67	mg/kg wet	3.333		49	40-140			
Hexachloroethane	2.05	0.333	mg/kg wet	3.333		61	40-140			
Indeno(1,2,3-cd)Pyrene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Isophorone	2.26	0.333	mg/kg wet	3.333		68	40-140			
Naphthalene	2.12	0.333	mg/kg wet	3.333		63	40-140			
Nitrobenzene	2.14	0.333	mg/kg wet	3.333		64	40-140			
N-Nitrosodimethylamine	2.07	0.333	mg/kg wet	3.333		62	40-140			
N-Nitroso-Di-n-Propylamine	2.29	0.333	mg/kg wet	3.333		69	40-140			
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pentachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
Pyrene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pyridine	1.93	1.67	mg/kg wet	3.333		58	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.34*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.39*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.74*		mg/kg wet	*3.333*		*82*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.24	0.333	mg/kg wet	3.333		67	40-140	0.5	30	
1,2,4-Trichlorobenzene	2.13	0.333	mg/kg wet	3.333		64	40-140	2	30	
1,2-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	1	30	
1,3-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	1	30	
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140	0.08	30	
2,3,4,6-Tetrachlorophenol	2.31	1.67	mg/kg wet	3.333		69	30-130	3	30	
2,4,5-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	0.9	30	
2,4,6-Trichlorophenol	2.35	0.333	mg/kg wet	3.333		71	30-130	0.3	30	
2,4-Dichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	0.7	30	
2,4-Dimethylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	1	30	
2,4-Dinitrophenol	2.70	1.67	mg/kg wet	3.333		81	30-130	10	30	
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		82	40-140	3	30	
2,6-Dinitrotoluene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
2-Chloronaphthalene	2.09	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
2-Chlorophenol	2.20	0.333	mg/kg wet	3.333		66	30-130	0.3	30	
2-Methylnaphthalene	2.17	0.333	mg/kg wet	3.333		65	40-140	0.2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130	2	30	
2-Nitroaniline	2.23	0.333	mg/kg wet	3.333		67	40-140	0.6	30	
2-Nitrophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	3	30	
3,3´-Dichlorobenzidine	2.51	0.667	mg/kg wet	3.333		75	40-140	5	30	
3+4-Methylphenol	5.07	0.667	mg/kg wet	6.667		76	30-130	0.2	30	
3-Nitroaniline	2.53	0.333	mg/kg wet	3.333		76	40-140	0.7	30	
4,6-Dinitro-2-Methylphenol	2.79	1.67	mg/kg wet	3.333		84	30-130	3	30	
4-Bromophenyl-phenylether	2.41	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
4-Chloro-3-Methylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	0.2	30	
4-Chloroaniline	2.19	0.667	mg/kg wet	3.333		66	40-140	0.4	30	
4-Chloro-phenyl-phenyl ether	2.29	0.333	mg/kg wet	3.333		69	40-140	0.8	30	
4-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	4	30	
4-Nitrophenol	2.61	1.67	mg/kg wet	3.333		78	30-130	6	30	
Acenaphthene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.2	30	
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140	0.01	30	
Acetophenone	2.23	0.667	mg/kg wet	3.333		67	40-140	1	30	
Aniline	1.84	0.667	mg/kg wet	3.333		55	40-140	1	30	
Anthracene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Azobenzene	2.33	0.333	mg/kg wet	3.333		70	40-140	0.8	30	
Benzo(a)anthracene	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		84	40-140	3	30	
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	2	30	
Benzo(g,h,i)perylene	2.76	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzo(k)fluoranthene	2.79	0.333	mg/kg wet	3.333		84	40-140	4	30	
Benzoic Acid	2.19	1.67	mg/kg wet	3.333		66	40-140	9	30	
Benzyl Alcohol	2.17	0.333	mg/kg wet	3.333		65	40-140	0.4	30	
bis(2-Chloroethoxy)methane	2.19	0.333	mg/kg wet	3.333		66	40-140	0.1	30	
bis(2-Chloroethyl)ether	2.09	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
bis(2-chloroisopropyl)Ether	2.20	0.333	mg/kg wet	3.333		66	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.66	0.333	mg/kg wet	3.333		80	40-140	6	30	
Butylbenzylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	5	30	
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Chrysene	2.68	0.167	mg/kg wet	3.333		80	40-140	4	30	
Dibenzo(a,h)Anthracene	2.72	0.167	mg/kg wet	3.333		82	40-140	3	30	
Dibenzofuran	2.27	0.333	mg/kg wet	3.333		68	40-140	0.2	30	
Diethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140	1	30	
Dimethylphthalate	2.40	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
Di-n-butylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	6	30	
Di-n-octylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	6	30	
Fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	4	30	
Fluorene	2.38	0.333	mg/kg wet	3.333		72	40-140	0.4	30	
Hexachlorobenzene	2.49	0.167	mg/kg wet	3.333		75	40-140	0.9	30	
Hexachlorobutadiene	2.10	0.333	mg/kg wet	3.333		63	40-140	2	30	
Hexachlorocyclopentadiene	1.90	1.67	mg/kg wet	3.333		57	40-140	16	30	
Hexachloroethane	2.06	0.333	mg/kg wet	3.333		62	40-140	0.6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Indeno(1,2,3-cd)Pyrene	2.72	0.333	mg/kg wet	3.333		81	40-140	3	30	
Isophorone	2.27	0.333	mg/kg wet	3.333		68	40-140	0.5	30	
Naphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140	1	30	
Nitrobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	1	30	
N-Nitrosodimethylamine	2.00	0.333	mg/kg wet	3.333		60	40-140	4	30	
N-Nitroso-Di-n-Propylamine	2.31	0.333	mg/kg wet	3.333		69	40-140	0.9	30	
N-nitrosodiphenylamine	2.61	0.333	mg/kg wet	3.333		78	40-140	0.4	30	
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	3	30	
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140	2	30	
Phenol	2.29	0.333	mg/kg wet	3.333		69	30-130	2	30	
Pyrene	2.68	0.333	mg/kg wet	3.333		81	40-140	3	30	
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140	11	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.30*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.21*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.22*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.31*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.75*		mg/kg wet	*3.333*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609426

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
I	Internal Standard(s) outside of criteria (I).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609426

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: ESS Courier

ESS Project ID: 1609426
Date Received: 9/20/2016
Project Due Date: ~~9/27/2016~~ 9/23/16 cmt
Days for Project: ~~5 Day~~ 3 day 9/21/16

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 9/20/16 Time: 1633 By: JL

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	68458	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	68461	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
01	68462	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
01	68470	Yes	NA	Yes	VOA Vial - Methanol	NP	
01	68473	Yes	NA	Yes	VOA Vial - Other	other	
01	68474	Yes	NA	Yes	VOA Vial - Other	other	
02	68457	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	68459	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	68460	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	68469	Yes	NA	Yes	VOA Vial - Methanol	NP	
02	68471	Yes	NA	Yes	VOA Vial - Other	other	
02	68472	Yes	NA	Yes	VOA Vial - Other	other	
03	68468	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	68467	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	68466	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
06	68465	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	68464	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	68463	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

9/20/16 AB

ESS Project ID: 1609426

Date Received: 9/20/2016

By: Adam Byskot

Date & Time: ~~9/20/16~~ 1625

Reviewed By: [signature]

Date & Time: 9/20/16 1633

Delivered By: [signature]

9/20/16 1633

Client MM, requested rush 9/21/16

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609426

Turn Time ~~Standard~~ Other 3 day due 9/23/16

Reporting Limits - RDEC

Regulatory State: MA RI CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electonic Deliverables Excel Access PDF

Co. Name: GZA
Project #: 33554.90
Project Name:
Contact Person: Meg Kilpatrick
Address: 530 Broadway
City: Providence
State: Rhode Island
Zip: 02909
PO #:
Tel. (401) 421-4140
Fax:
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	PP-13 metals	TPH 8100	Arsenic					
1	9/20/16	11:45	C	S	Cardi pile 1 1½" dense grade	6, 1		AG, V	20 oz.	X	X	X	X						
2	9/20/16	11:48	C	S	Cardi pile 2 1½" dense grade	6, 1		AG, V	20 oz.	X	X	X	X						
3	9/20/16	11:45	C	S	cardi pile 1A 1½" dense grade	1	1	AG	4 oz.					X					
4	9/20/16	11:45	C	S	cardi pile 1B 1½" dense grade	1	1	AG	4 oz.					X					
5	9/20/16	11:45	C	S	cardi pile 1C 1½" dense grade	1	1	AG	4 oz.					X					
6	9/20/16	11:48	C	S	cardi pile 2A 1½" dense grade	1	1	AG	4 oz.					X					
7	9/20/16	11:48	C	S	cardi pile 2B 1½" dense grade	1	1	AG	4 oz.					X					
8	9/20/16	11:48	C	S	cardi pile 2C 1½" dense grade	1	1	AG	4 oz.					X					

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 1.9

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: Matthew Muto

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
[signature] 9/20/16 15:43	[signature] 9/20/16 1544		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609426

Turn Time ____ (Standard) Other ____

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Reporting Limits - RDEC

Electonic Deliverables (Excel) Access (PDF)

Co. Name: GZA
Project #: 33554.90
Project Name:
Contact Person: Meg Kilpatrick
Address: 530 Broadway
City: Providence
State: Rhode Island
Zip: 02909
PO #:
Tel. (401) 421-4140
Fax:
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	PP-13 metals	TPH 8100	Arsenic					
1	9/20/16	11:45	C	S	Cardi pile 1 1½" dense grade	6, 1		AG, V	20 oz.	X	X	X	X						
2	9/20/16	11:48	C	S	Cardi pile 2 1½" dense grade	6, 1		AG, V	20 oz.	X	X	X	X						
3	9/20/16	11:45	C	S	cardi pile 1A 1½" dense grade	1	1	AG	4 oz.					X					
4	9/20/16	11:45	C	S	cardi pile 1B 1½" dense grade	1	1	AG	4 oz.					X					
5	9/20/16	11:45	C	S	cardi pile 1C 1½" dense grade	1	1	AG	4 oz.					X					
6	9/20/16	11:48	C	S	cardi pile 2A 1½" dense grade	1	1	AG	4 oz.					X					
7	9/20/16	11:48	C	S	cardi pile 2B 1½" dense grade	1	1	AG	4 oz.					X					
8	9/20/16	11:48	C	S	cardi pile 2C 1½" dense grade	1	1	AG	4 oz.					X					

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 1.9

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
[signature] 9/20/16 15:43	[signature] 9/20/16 1544		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1610499

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:40 pm, Oct 28, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

SAMPLE RECEIPT

The following samples were received on October 21, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1610499-01	Cardi 6 inch minus	Soil	6010C, 6020A, 7010, 7471B, 8100M, 8260B Low, 8270D
1610499-02	Cardi 6 inch minus 1A	Soil	7010
1610499-03	Cardi 6 inch minus 1B	Soil	7010
1610499-04	Cardi 6 inch minus 1C	Soil	7010

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

CJ62421-BS1 **Blank Spike recovery is below lower control limit (B-).**
2,2-Dichloropropane (57% @ 70-130%), Ethyl tertiary-butyl ether (68% @ 70-130%), Vinyl Acetate (69% @ 70-130%)

CJ62421-BSD1 **Blank Spike recovery is below lower control limit (B-).**
2,2-Dichloropropane (63% @ 70-130%)

CZJ0301-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,2-Dichloropropane (55% @ 30%), Ethyl tertiary-butyl ether (43% @ 30%), trans-1,3-Dichloropropene (32% @ 30%), Vinyl Acetate (31% @ 30%)

8100M Total Petroleum Hydrocarbons

CZJ0305-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Nonadecane (C19) (22% @ 20%)

8270D Semi-Volatile Organic Compounds

CZJ0287-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (87% @ 80-120%), 4-Nitrophenol (96% @ 80-120%), Benzoic Acid (91% @ 80-120%), Pentachlorophenol (94% @ 80-120%)

CZJ0287-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Dibenzo(a,h)Anthracene (22% @ 20%)

CZJ0287-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
Di-n-octylphthalate

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.46)		6020A		20	NAR	10/25/16 19:08	2.37	100	CJ62429
Arsenic	ND (1.14)		7010		5	KJK	10/27/16 21:16	2.37	100	CJ62429
Beryllium	**0.38** (0.10)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Cadmium	ND (0.46)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Chromium	**1.77** (0.91)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Copper	ND (2.28)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Lead	ND (4.56)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Mercury	ND (0.034)		7471B		1	MJV	10/25/16 11:49	0.62	40	CJ62430
Nickel	ND (2.28)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Selenium	ND (0.46)		6020A		20	NAR	10/25/16 19:08	2.37	100	CJ62429
Silver	ND (0.46)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429
Thallium	ND (0.46)		6020A		20	NAR	10/25/16 19:08	2.37	100	CJ62429
Zinc	**22.0** (2.28)		6010C		1	KJK	10/27/16 1:35	2.37	100	CJ62429

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 7.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1,4-Dioxane	ND (0.0740)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
1-Chlorohexane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
2-Butanone	ND (0.0370)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
2-Chlorotoluene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
2-Hexanone	ND (0.0370)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
4-Chlorotoluene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
4-Methyl-2-Pentanone	ND (0.0370)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Acetone	ND (0.0370)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Benzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Bromobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 7.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Bromodichloromethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Bromoform	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Bromomethane	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Carbon Disulfide	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Chlorobenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Chloroethane	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Chloroform	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Chloromethane	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Dibromochloromethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Dibromomethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Dichlorodifluoromethane	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Diethyl Ether	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Di-isopropyl ether	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Ethylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Isopropylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Methylene Chloride	ND (0.0185)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Naphthalene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
n-Butylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
n-Propylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
sec-Butylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Styrene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
tert-Butylbenzene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Tetrachloroethene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Tetrahydrofuran	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 7.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Trichloroethene	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Vinyl Acetate	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Vinyl Chloride	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Xylene O	ND (0.0037)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Xylene P,M	ND (0.0074)		8260B Low		1	10/24/16 19:17	CZJ0301	CJ62421
Xylenes (Total)	ND (0.0074)		8260B Low		1	10/24/16 19:17		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*84 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*86 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 10/24/16 12:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.5)		8100M		1	10/25/16 14:23	CZJ0339	CJ62415

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 10/21/16 15:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
1,2,4-Trichlorobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
1,2-Dichlorobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
1,3-Dichlorobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
1,4-Dichlorobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,3,4,6-Tetrachlorophenol	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4,5-Trichlorophenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4,6-Trichlorophenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4-Dichlorophenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4-Dimethylphenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4-Dinitrophenol	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,4-Dinitrotoluene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2,6-Dinitrotoluene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Chloronaphthalene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Chlorophenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Methylnaphthalene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Methylphenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Nitroaniline	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
2-Nitrophenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
3,3´-Dichlorobenzidine	ND (0.730)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
3+4-Methylphenol	ND (0.730)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
3-Nitroaniline	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4,6-Dinitro-2-Methylphenol	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Bromophenyl-phenylether	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Chloro-3-Methylphenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Chloroaniline	ND (0.730)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Chloro-phenyl-phenyl ether	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Nitroaniline	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
4-Nitrophenol	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Acenaphthene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Acenaphthylene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Acetophenone	ND (0.730)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 10/21/16 15:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.730)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Anthracene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Azobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzo(a)anthracene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzo(a)pyrene	ND (0.183)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzo(b)fluoranthene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzo(g,h,i)perylene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzo(k)fluoranthene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzoic Acid	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Benzyl Alcohol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
bis(2-Chloroethoxy)methane	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
bis(2-Chloroethyl)ether	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
bis(2-chloroisopropyl)Ether	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
bis(2-Ethylhexyl)phthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Butylbenzylphthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Carbazole	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Chrysene	ND (0.183)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Dibenzo(a,h)Anthracene	ND (0.183)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Dibenzofuran	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Diethylphthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Dimethylphthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Di-n-butylphthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Di-n-octylphthalate	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Fluoranthene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Fluorene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Hexachlorobenzene	ND (0.183)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Hexachlorobutadiene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Hexachlorocyclopentadiene	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Hexachloroethane	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Indeno(1,2,3-cd)Pyrene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Isophorone	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Naphthalene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus
Date Sampled: 10/21/16 09:57
Percent Solids: 93
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 10/21/16 15:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
N-Nitrosodimethylamine	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
N-Nitroso-Di-n-Propylamine	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
N-nitrosodiphenylamine	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Pentachlorophenol	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Phenanthrene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Phenol	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Pyrene	ND (0.364)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109
Pyridine	ND (1.83)		8270D		1	10/21/16 20:12	CZJ0287	CJ62109

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*66 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*71 %*		*30-130*
Surrogate: 2-Fluorophenol	*67 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: Phenol-d6	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*80 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus 1A
Date Sampled: 10/21/16 09:57
Percent Solids: 92

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.07)		7010		5	KJK	10/27/16 21:34	2.55	100	CJ62429

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus 1B
Date Sampled: 10/21/16 09:57
Percent Solids: 92

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.20)		7010		5	KJK	10/27/16 21:40	2.26	100	CJ62429

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Cardi 6 inch minus 1C
Date Sampled: 10/21/16 09:57
Percent Solids: 92

ESS Laboratory Work Order: 1610499
ESS Laboratory Sample ID: 1610499-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.15)		7010		5	KJK	10/27/16 21:45	2.35	100	CJ62429

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				Total Metals						
Batch CJ62429 - 3050B										
Blank										
Antimony	ND	0.50	mg/kg wet							
Arsenic	ND	0.25	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	124	23.6	mg/kg wet	100.0		124	19-257			
Arsenic	154	23.6	mg/kg wet	161.0		96	80-120			
Beryllium	90.6	0.42	mg/kg wet	89.40		101	80-120			
Cadmium	177	1.89	mg/kg wet	190.0		93	80-120			
Chromium	83.0	3.77	mg/kg wet	87.90		94	80-120			
Copper	233	9.43	mg/kg wet	258.0		90	80-120			
Lead	137	18.9	mg/kg wet	138.0		100	80-120			
Nickel	119	9.43	mg/kg wet	127.0		94	80-120			
Selenium	334	23.6	mg/kg wet	305.0		109	80-120			
Silver	57.7	1.89	mg/kg wet	58.00		99	80-120			
Thallium	101	23.6	mg/kg wet	89.80		113	80-120			
Zinc	160	9.43	mg/kg wet	173.0		92	80-120			
LCS Dup										
Antimony	121	23.6	mg/kg wet	100.0		121	19-257	3	30	
Arsenic	152	23.6	mg/kg wet	161.0		95	80-120	0.9	20	
Beryllium	90.7	0.42	mg/kg wet	89.40		101	80-120	0.2	20	
Cadmium	176	1.89	mg/kg wet	190.0		93	80-120	0.6	20	
Chromium	81.7	3.77	mg/kg wet	87.90		93	80-120	2	20	
Copper	232	9.43	mg/kg wet	258.0		90	80-120	0.5	20	
Lead	136	18.9	mg/kg wet	138.0		99	80-120	0.7	20	
Nickel	119	9.43	mg/kg wet	127.0		94	80-120	0.07	20	
Selenium	318	23.6	mg/kg wet	305.0		104	80-120	5	30	
Silver	57.7	1.89	mg/kg wet	58.00		100	80-120	0.1	20	
Thallium	95.5	23.6	mg/kg wet	89.80		106	80-120	6	30	
Zinc	163	9.43	mg/kg wet	173.0		94	80-120	2	20	
Batch CJ62430 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	14.7	1.90	mg/kg wet	15.90		92	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CJ62430 - 7471B										
LCS Dup										
Mercury	15.7	1.80	mg/kg wet	15.90		99	80-120	7	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0384*		mg/kg wet	*0.05000*		*77*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0441*		mg/kg wet	*0.05000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0415*		mg/kg wet	*0.05000*		*83*	*70-130*			
Surrogate: Toluene-d8	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
1,1,1-Trichloroethane	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
1,1,2,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,1,2-Trichloroethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
1,1-Dichloroethane	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
1,1-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1-Dichloropropene	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,2,3-Trichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichloropropane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,2,4-Trichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromo-3-Chloropropane	0.0400	0.0050	mg/kg wet	0.05000		80	70-130			
1,2-Dibromoethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,2-Dichloroethane	0.0427	0.0050	mg/kg wet	0.05000		85	70-130			
1,2-Dichloropropane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,3,5-Trimethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,3-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,4-Dichlorobenzene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,4-Dioxane	0.967	0.100	mg/kg wet	1.000		97	70-130			
1-Chlorohexane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
2,2-Dichloropropane	0.0286	0.0050	mg/kg wet	0.05000		57	70-130			B-
2-Butanone	0.228	0.0500	mg/kg wet	0.2500		91	70-130			
2-Chlorotoluene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
2-Hexanone	0.211	0.0500	mg/kg wet	0.2500		84	70-130			
4-Chlorotoluene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
4-Isopropyltoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
4-Methyl-2-Pentanone	0.210	0.0500	mg/kg wet	0.2500		84	70-130			
Acetone	0.205	0.0500	mg/kg wet	0.2500		82	70-130			
Benzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Bromobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Bromochloromethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Bromodichloromethane	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
Bromoform	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Bromomethane	0.0535	0.0100	mg/kg wet	0.05000		107	70-130			
Carbon Disulfide	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
Carbon Tetrachloride	0.0384	0.0050	mg/kg wet	0.05000		77	70-130			
Chlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
Chloroethane	0.0439	0.0100	mg/kg wet	0.05000		88	70-130			
Chloroform	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Chloromethane	0.0461	0.0100	mg/kg wet	0.05000		92	70-130			
cis-1,2-Dichloroethene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Dibromochloromethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromomethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Dichlorodifluoromethane	0.0388	0.0100	mg/kg wet	0.05000		78	70-130			
Diethyl Ether	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Di-isopropyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Ethyl tertiary-butyl ether	0.0340	0.0050	mg/kg wet	0.05000		68	70-130			B-

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
Ethylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Hexachlorobutadiene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Isopropylbenzene	0.0404	0.0050	mg/kg wet	0.05000		81	70-130			
Methyl tert-Butyl Ether	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
Methylene Chloride	0.0469	0.0250	mg/kg wet	0.05000		94	70-130			
Naphthalene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
n-Butylbenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
n-Propylbenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
sec-Butylbenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Styrene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
tert-Butylbenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Tertiary-amyl methyl ether	0.0394	0.0050	mg/kg wet	0.05000		79	70-130			
Tetrachloroethene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Tetrahydrofuran	0.0388	0.0050	mg/kg wet	0.05000		78	70-130			
Toluene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
trans-1,2-Dichloroethene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
trans-1,3-Dichloropropene	0.0358	0.0050	mg/kg wet	0.05000		72	70-130			
Trichloroethene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Trichlorofluoromethane	0.0391	0.0050	mg/kg wet	0.05000		78	70-130			
Vinyl Acetate	0.0346	0.0050	mg/kg wet	0.05000		69	70-130			B-
Vinyl Chloride	0.0486	0.0100	mg/kg wet	0.05000		97	70-130			
Xylene O	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Xylene P,M	0.0953	0.0100	mg/kg wet	0.1000		95	70-130			
Xylenes (Total)	0.142	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0408*		mg/kg wet	*0.05000*		*82*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0420*		mg/kg wet	*0.05000*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0436*		mg/kg wet	*0.05000*		*87*	*70-130*			
Surrogate: Toluene-d8	*0.0442*		mg/kg wet	*0.05000*		*88*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	7	25	
1,1,1-Trichloroethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	6	25	
1,1,2,2-Tetrachloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
1,1,2-Trichloroethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
1,1-Dichloroethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	6	25	
1,1-Dichloroethene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
1,1-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
1,2,3-Trichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,2,3-Trichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	7	25	
1,2,4-Trichlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
1,2,4-Trimethylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0438	0.0050	mg/kg wet	0.05000		88	70-130	9	25	
1,2-Dibromoethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	7	25	
1,2-Dichlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,2-Dichloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	6	25	
1,2-Dichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
1,3,5-Trimethylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
1,3-Dichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
1,3-Dichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
1,4-Dichlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
1,4-Dioxane	1.03	0.100	mg/kg wet	1.000		103	70-130	6	20	
1-Chlorohexane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	4	25	
2,2-Dichloropropane	0.0317	0.0050	mg/kg wet	0.05000		63	70-130	10	25	B-
2-Butanone	0.244	0.0500	mg/kg wet	0.2500		98	70-130	7	25	
2-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	3	25	
2-Hexanone	0.237	0.0500	mg/kg wet	0.2500		95	70-130	12	25	
4-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	3	25	
4-Isopropyltoluene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
4-Methyl-2-Pentanone	0.231	0.0500	mg/kg wet	0.2500		92	70-130	10	25	
Acetone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	10	25	
Benzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
Bromobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Bromochloromethane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
Bromodichloromethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	7	25	
Bromoform	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Bromomethane	0.0495	0.0100	mg/kg wet	0.05000		99	70-130	8	25	
Carbon Disulfide	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
Carbon Tetrachloride	0.0420	0.0050	mg/kg wet	0.05000		84	70-130	9	25	
Chlorobenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Chloroethane	0.0453	0.0100	mg/kg wet	0.05000		91	70-130	3	25	
Chloroform	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	5	25	
Chloromethane	0.0478	0.0100	mg/kg wet	0.05000		96	70-130	4	25	
cis-1,2-Dichloroethene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
cis-1,3-Dichloropropene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	8	25	
Dibromochloromethane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	8	25	
Dibromomethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	7	25	
Dichlorodifluoromethane	0.0398	0.0100	mg/kg wet	0.05000		80	70-130	2	25	
Diethyl Ether	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
Di-isopropyl ether	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	6	25	
Ethyl tertiary-butyl ether	0.0381	0.0050	mg/kg wet	0.05000		76	70-130	11	25	
Ethylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
Hexachlorobutadiene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Isopropylbenzene	0.0410	0.0050	mg/kg wet	0.05000		82	70-130	1	25	
Methyl tert-Butyl Ether	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	9	25	
Methylene Chloride	0.0505	0.0250	mg/kg wet	0.05000		101	70-130	7	25	
Naphthalene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	16	25	
n-Butylbenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
n-Propylbenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
sec-Butylbenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
Styrene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
tert-Butylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	2	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ62421 - 5035										
Tertiary-amyl methyl ether	0.0434	0.0050	mg/kg wet	0.05000		87	70-130	10	25	
Tetrachloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Tetrahydrofuran	0.0435	0.0050	mg/kg wet	0.05000		87	70-130	12	25	
Toluene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
trans-1,2-Dichloroethene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
trans-1,3-Dichloropropene	0.0389	0.0050	mg/kg wet	0.05000		78	70-130	8	25	
Trichloroethene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Trichlorofluoromethane	0.0404	0.0050	mg/kg wet	0.05000		81	70-130	3	25	
Vinyl Acetate	0.0381	0.0050	mg/kg wet	0.05000		76	70-130	10	25	
Vinyl Chloride	0.0494	0.0100	mg/kg wet	0.05000		99	70-130	2	25	
Xylene O	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Xylene P,M	0.0999	0.0100	mg/kg wet	0.1000		100	70-130	5	25	
Xylenes (Total)	0.148	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0417*		mg/kg wet	*0.05000*		*83*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0431*		mg/kg wet	*0.05000*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0444*		mg/kg wet	*0.05000*		*89*	*70-130*			
Surrogate: Toluene-d8	*0.0451*		mg/kg wet	*0.05000*		*90*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CJ62415 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.27*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		73	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	1.9	0.2	mg/kg wet	2.500		77	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CJ62415 - 3546										
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Total Petroleum Hydrocarbons	31.5	37.5	mg/kg wet	35.00		90	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*4.62*		mg/kg wet	*5.000*		*92*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		77	40-140	5	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		79	40-140	4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140	5	25	
Nonadecane (C19)	2.0	0.2	mg/kg wet	2.500		80	40-140	3	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		70	30-140	6	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	3	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		82	40-140	2	25	
Total Petroleum Hydrocarbons	32.4	37.5	mg/kg wet	35.00		92	40-140	3	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Surrogate: O-Terphenyl	*4.66*		mg/kg wet	*5.000*		*93*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.33*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*4.06*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.42*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.91*		mg/kg wet	*3.333*		*117*	*30-130*			
LCS										
1,1-Biphenyl	2.53	0.333	mg/kg wet	3.333		76	40-140			
1,2,4-Trichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140			
1,2-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140			
1,3-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140			
1,4-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
2,3,4,6-Tetrachlorophenol	2.35	1.67	mg/kg wet	3.333		71	30-130			
2,4,5-Trichlorophenol	2.74	0.333	mg/kg wet	3.333		82	30-130			
2,4,6-Trichlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
2,4-Dichlorophenol	2.52	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dinitrophenol	1.45	1.67	mg/kg wet	3.333		43	30-130			
2,4-Dinitrotoluene	2.66	0.333	mg/kg wet	3.333		80	40-140			
2,6-Dinitrotoluene	2.46	0.333	mg/kg wet	3.333		74	40-140			
2-Chloronaphthalene	2.12	0.333	mg/kg wet	3.333		63	40-140			
2-Chlorophenol	2.37	0.333	mg/kg wet	3.333		71	30-130			
2-Methylnaphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Methylphenol	2.32	0.333	mg/kg wet	3.333		69	30-130			
2-Nitroaniline	2.28	0.333	mg/kg wet	3.333		68	40-140			
2-Nitrophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
3,3´-Dichlorobenzidine	2.53	0.667	mg/kg wet	3.333		76	40-140			
3+4-Methylphenol	4.78	0.667	mg/kg wet	6.667		72	30-130			
3-Nitroaniline	2.25	0.333	mg/kg wet	3.333		68	40-140			
4,6-Dinitro-2-Methylphenol	2.11	1.67	mg/kg wet	3.333		63	30-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
4-Bromophenyl-phenylether	2.62	0.333	mg/kg wet	3.333		79	40-140			
4-Chloro-3-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
4-Chloroaniline	2.34	0.667	mg/kg wet	3.333		70	40-140			
4-Chloro-phenyl-phenyl ether	2.29	0.333	mg/kg wet	3.333		69	40-140			
4-Nitroaniline	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Nitrophenol	2.26	1.67	mg/kg wet	3.333		68	30-130			
Acenaphthene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Acetophenone	2.41	0.667	mg/kg wet	3.333		72	40-140			
Aniline	2.08	0.667	mg/kg wet	3.333		62	40-140			
Anthracene	2.55	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Benzo(a)anthracene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Benzo(a)pyrene	2.56	0.167	mg/kg wet	3.333		77	40-140			
Benzo(b)fluoranthene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Benzo(g,h,i)perylene	3.40	0.333	mg/kg wet	3.333		102	40-140			
Benzo(k)fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Benzoic Acid	1.80	1.67	mg/kg wet	3.333		54	40-140			
Benzyl Alcohol	2.56	0.333	mg/kg wet	3.333		77	40-140			
bis(2-Chloroethoxy)methane	2.37	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Chloroethyl)ether	2.20	0.333	mg/kg wet	3.333		66	40-140			
bis(2-chloroisopropyl)Ether	2.38	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Ethylhexyl)phthalate	2.93	0.333	mg/kg wet	3.333		88	40-140			
Butylbenzylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140			
Carbazole	2.38	0.333	mg/kg wet	3.333		71	40-140			
Chrysene	2.42	0.167	mg/kg wet	3.333		73	40-140			
Dibenzo(a,h)Anthracene	3.44	0.167	mg/kg wet	3.333		103	40-140			
Dibenzofuran	2.34	0.333	mg/kg wet	3.333		70	40-140			
Diethylphthalate	2.49	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.42	0.333	mg/kg wet	3.333		73	40-140			
Di-n-butylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Di-n-octylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Fluoranthene	2.35	0.333	mg/kg wet	3.333		71	40-140			
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorobenzene	2.58	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorocyclopentadiene	3.02	1.67	mg/kg wet	3.333		90	40-140			
Hexachloroethane	2.25	0.333	mg/kg wet	3.333		67	40-140			
Indeno(1,2,3-cd)Pyrene	3.36	0.333	mg/kg wet	3.333		101	40-140			
Isophorone	2.46	0.333	mg/kg wet	3.333		74	40-140			
Naphthalene	2.27	0.333	mg/kg wet	3.333		68	40-140			
Nitrobenzene	2.38	0.333	mg/kg wet	3.333		72	40-140			
N-Nitrosodimethylamine	2.00	0.333	mg/kg wet	3.333		60	40-140			
N-Nitroso-Di-n-Propylamine	2.35	0.333	mg/kg wet	3.333		70	40-140			
N-nitrosodiphenylamine	2.89	0.333	mg/kg wet	3.333		87	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
Pentachlorophenol	2.65	1.67	mg/kg wet	3.333		79	30-130			
Phenanthrene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Phenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
Pyrene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	1.88	1.67	mg/kg wet	3.333		56	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.65*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.58*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Phenol-d6	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.05*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.55	0.333	mg/kg wet	3.333		77	40-140	0.8	30	
1,2,4-Trichlorobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	2	30	
1,2-Dichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140	6	30	
1,3-Dichlorobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140	5	30	
1,4-Dichlorobenzene	2.32	0.333	mg/kg wet	3.333		69	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.67	1.67	mg/kg wet	3.333		80	30-130	13	30	
2,4,5-Trichlorophenol	3.03	0.333	mg/kg wet	3.333		91	30-130	10	30	
2,4,6-Trichlorophenol	2.87	0.333	mg/kg wet	3.333		86	30-130	6	30	
2,4-Dichlorophenol	2.72	0.333	mg/kg wet	3.333		82	30-130	8	30	
2,4-Dimethylphenol	2.75	0.333	mg/kg wet	3.333		83	30-130	7	30	
2,4-Dinitrophenol	1.66	1.67	mg/kg wet	3.333		50	30-130	14	30	
2,4-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		89	40-140	11	30	
2,6-Dinitrotoluene	2.74	0.333	mg/kg wet	3.333		82	40-140	11	30	
2-Chloronaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	3	30	
2-Chlorophenol	2.55	0.333	mg/kg wet	3.333		77	30-130	8	30	
2-Methylnaphthalene	2.47	0.333	mg/kg wet	3.333		74	40-140	7	30	
2-Methylphenol	2.61	0.333	mg/kg wet	3.333		78	30-130	12	30	
2-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140	10	30	
2-Nitrophenol	2.67	0.333	mg/kg wet	3.333		80	30-130	7	30	
3,3´-Dichlorobenzidine	2.60	0.667	mg/kg wet	3.333		78	40-140	3	30	
3+4-Methylphenol	5.43	0.667	mg/kg wet	6.667		82	30-130	13	30	
3-Nitroaniline	2.57	0.333	mg/kg wet	3.333		77	40-140	13	30	
4,6-Dinitro-2-Methylphenol	2.20	1.67	mg/kg wet	3.333		66	30-130	4	30	
4-Bromophenyl-phenylether	2.75	0.333	mg/kg wet	3.333		82	40-140	5	30	
4-Chloro-3-Methylphenol	2.98	0.333	mg/kg wet	3.333		90	30-130	12	30	
4-Chloroaniline	2.55	0.667	mg/kg wet	3.333		76	40-140	8	30	
4-Chloro-phenyl-phenyl ether	2.47	0.333	mg/kg wet	3.333		74	40-140	8	30	
4-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140	2	30	
4-Nitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	13	30	
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140	5	30	
Acenaphthylene	2.60	0.333	mg/kg wet	3.333		78	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
Acetophenone	2.70	0.667	mg/kg wet	3.333		81	40-140	11	30	
Aniline	2.36	0.667	mg/kg wet	3.333		71	40-140	12	30	
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140	4	30	
Azobenzene	2.78	0.333	mg/kg wet	3.333		83	40-140	5	30	
Benzo(a)anthracene	2.68	0.333	mg/kg wet	3.333		80	40-140	7	30	
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		83	40-140	7	30	
Benzo(b)fluoranthene	2.61	0.333	mg/kg wet	3.333		78	40-140	6	30	
Benzo(g,h,i)perylene	3.54	0.333	mg/kg wet	3.333		106	40-140	4	30	
Benzo(k)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	8	30	
Benzoic Acid	2.25	1.67	mg/kg wet	3.333		68	40-140	22	30	
Benzyl Alcohol	2.93	0.333	mg/kg wet	3.333		88	40-140	14	30	
bis(2-Chloroethoxy)methane	2.47	0.333	mg/kg wet	3.333		74	40-140	4	30	
bis(2-Chloroethyl)ether	2.35	0.333	mg/kg wet	3.333		71	40-140	7	30	
bis(2-chloroisopropyl)Ether	2.53	0.333	mg/kg wet	3.333		76	40-140	6	30	
bis(2-Ethylhexyl)phthalate	3.34	0.333	mg/kg wet	3.333		100	40-140	13	30	
Butylbenzylphthalate	3.20	0.333	mg/kg wet	3.333		96	40-140	13	30	
Carbazole	2.42	0.333	mg/kg wet	3.333		73	40-140	2	30	
Chrysene	2.57	0.167	mg/kg wet	3.333		77	40-140	6	30	
Dibenzo(a,h)Anthracene	3.60	0.167	mg/kg wet	3.333		108	40-140	4	30	
Dibenzofuran	2.49	0.333	mg/kg wet	3.333		75	40-140	6	30	
Diethylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140	10	30	
Dimethylphthalate	2.64	0.333	mg/kg wet	3.333		79	40-140	9	30	
Di-n-butylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140	6	30	
Di-n-octylphthalate	3.28	0.333	mg/kg wet	3.333		98	40-140	13	30	
Fluoranthene	2.26	0.333	mg/kg wet	3.333		68	40-140	4	30	
Fluorene	2.58	0.333	mg/kg wet	3.333		77	40-140	8	30	
Hexachlorobenzene	2.68	0.167	mg/kg wet	3.333		80	40-140	4	30	
Hexachlorobutadiene	2.44	0.333	mg/kg wet	3.333		73	40-140	1	30	
Hexachlorocyclopentadiene	2.96	1.67	mg/kg wet	3.333		89	40-140	2	30	
Hexachloroethane	2.36	0.333	mg/kg wet	3.333		71	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	3.50	0.333	mg/kg wet	3.333		105	40-140	4	30	
Isophorone	2.63	0.333	mg/kg wet	3.333		79	40-140	7	30	
Naphthalene	2.35	0.333	mg/kg wet	3.333		70	40-140	3	30	
Nitrobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140	4	30	
N-Nitrosodimethylamine	2.10	0.333	mg/kg wet	3.333		63	40-140	5	30	
N-Nitroso-Di-n-Propylamine	2.64	0.333	mg/kg wet	3.333		79	40-140	12	30	
N-nitrosodiphenylamine	3.02	0.333	mg/kg wet	3.333		91	40-140	4	30	
Pentachlorophenol	2.78	1.67	mg/kg wet	3.333		83	30-130	5	30	
Phenanthrene	2.57	0.333	mg/kg wet	3.333		77	40-140	6	30	
Phenol	2.55	0.333	mg/kg wet	3.333		76	30-130	11	30	
Pyrene	3.31	0.333	mg/kg wet	3.333		99	40-140	19	30	
Pyridine	1.94	1.67	mg/kg wet	3.333		58	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.50*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.06*		mg/kg wet	*5.000*		*81*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CJ62109 - 3546										
Surrogate: 2-Fluorobiphenyl	*2.60*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2-Fluorophenol	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.62*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.56*		mg/kg wet	*3.333*		*107*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1610499

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1610499

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1610499
Date Received: 10/21/2016
Project Due Date: 10/28/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / (No)
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes (No)
    a. Was there a need to contact the client? (Yes) / No
    Who was contacted? Date: 10/24/16 Time: By: EH

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	76536	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76537	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76538	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76542	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	76539	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	76540	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	76541	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? (Yes) / No

Completed By: Date & Time: 10/21/16 1535
Reviewed By: Date & Time: 10/21/16 1551
Delivered By: 10/21/16 1551

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1610499
Date Received: 10/21/2016
Project Due Date: 10/28/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 10/24/16 Time: 1605 By: JL

Sample Receiving Notes: MT 10/24/16

added 1 vial MeOH, 1 vial other ~~to~~ As -05 per EAH

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	76536	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76537	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76538	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	76542	Yes	NA	Yes	VOA Vial - Other	Other	
01	76979	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	76980	Yes	NA	Yes	VOA Vial - Other	Other	
02	76539	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	76540	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	76541	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Date & Time: 10/24/16 1547
Reviewed By: Date & Time: 10/24/16 1605
Delivered By: 10/24/16 1605

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1610499

Turn Time ____ (Standard) Other ____

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Reporting Limits - RDEC

Electonic Deliverables (Excel) Access (PDF)

Co. Name GZA
Project # 33554.90
Project Name 121 Terminal Rd LNG
Contact Person Meg Kilpatrick
Address 530 Broadway
City Providence
State RI
Zip 02909
PO #
Tel. 401-421-4140
Fax.
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	PP-13 Metals	TPH 8100	Arsenic					
1	10/21/16	9:57	C	S	Cardi 6 inch minus	1	3	AG,V	40 oz.	X	X	X	X	X					
2	10/21/16	9:57	C	S	Cardi 6-inch minus 1A	1	1	V	40mL					X					
3	10/21/16	9:57	C	S	Cardi 6-inch minus 1B	1	1	V	40mL					X					
4	10/21/16	9:57	C	S	Cardi 6-inch minus 1C	1	1	V	40mL					X					

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ✓ No NA: ____

Cooler Temperature: 2.1 Ice JT 10/21/16

Internal Use Only
[ ] Pickup
[ ] Technician (PO)

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N.Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 10/21/16 15:27	10/21/16 1527		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1610499

Turn Time ____ (Standard) Other ____

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Reporting Limits - RDEC

Electonic Deliverables (Excel) Access (PDF)

Co. Name GZA
Project # 33554.90
Project Name 121 Terminal Rd LNG
Contact Person Meg Kilpatrick
Address 530 Broadway
City Providence
State RI
Zip 02909
PO #
Tel. 401-421-4140
Fax.
email: mkilpatrick@GZA.com

Analysis: VOC 8260, SVOC 8270, PP-13 Metals, TPH 8100, Arsenic

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	PP-13 Metals	TPH 8100	Arsenic					
1	10/21/16	9:57	C	S	Cardi 6 inch minus	1	~~2~~ 3	AG,V	40 oz.	X	X	X	X	X					
2	10/21/16	9:57	C	S	Cardi 6-inch minus 1A	1	1	V	40mL					X					
3	10/21/16	9:57	C	S	Cardi 6-inch minus 1B	1	1	V	40mL					X					
4	10/21/16	9:57	C	S	Cardi 6-inch minus 1C	1	1	V	40mL					X					
5	10/24/16	1352			Cardi 6 inch minus	1/6	2	V		X									

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ✓ No NA: ____

Cooler Temperature: 2.1 Ice JC 10/21/16

Internal Use Only
[ ] Pickup
[ ] Technician (PO)

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N.Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 10/21/16 15:27	10/21/16 1527		
Matt Muto 10/24/16 15:45	10/24/16 1545		

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

Appendix G – Quarry Certifications

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 695-1130

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

March 23, 2017

GZA
530 Broadway
Providence, RI 02909

Re: 4" – 6" Rip Rap
Kiewit Power
642 Allens Ave / 121 Terminal Rd. (National Grid)
Providence, RI 02905

Dear Mr. Muto:

The crushed stone that was supplied to Kiewit Power from the Attleboro Sand & Gravel quarry, located at 125 Tiffany St. in Attleboro MA., is generated from drilled, blasted and crushed ledge. The source is not subject to environmental restrictions and is not the focus of state mandated or voluntary clean up. To the best of my knowledge, the material has not been mixed or come in contact with contaminated or potentially contaminated materials.

If you have any questions, please do not hesitate to contact this office.

Very truly yours,
Lorusso Corporation

Andrew Mason
Sales Representative

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 695-1130

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

September 12, 2018

Kiewit Infrastructure Co.
470 Chestnut Ridge Rd.
Woodcliff Lake, NJ 07677

Re: 3" Crushed Stone
121 Terminal Rd.
Providence, RI 02905

Dear Mr. Alexander:

The 3" crushed stone will be supplied to your project Attleboro Sand & Gravel, located at 125 Tiffany St. in Attleboro. It is generated from drilled, blasted and crushed ledge. The source is not subject to environmental restrictions and is not the focus of state mandated or voluntary clean up. To the best of my knowledge, the material has not been mixed or met with contaminated or potentially contaminated materials.

If you have any questions, please do not hesitate to contact this office.

Very truly yours,
Lorusso Corporation

Andrew Mason
Sales Representative

Appendix H – Soil Disposal Documentation

ESMI of N.H.

Customer Usage by Date

Date Run: 6/12/2017
Time Run: 11:11:59AM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
Customer: NG60			National Grid							
Order: 10176			Meadowbrook #16 Substat							
100 Ecuador Rd.				Chelmsford		MA				
5/7/17	315957	ESMI2	EO01		35.670	tn				
5/7/17	315976	ESMI2	EO01		31.640	tn				
5/7/17	315981	ESMI2	EO01		33.720	tn				
ELECTRICAL OIL NON-PCB (MODF) Totals					101.030	tn				
Total Tickets: 3										
Meadowbrook #16 Substation Totals					101.030	tn				
Total Tickets: 3										
Order: 11202			Dike Wall Roadway							
121 Terminal Road				Providence		RI				
5/6/17	315897	DG03	CT01		38.970	tn				
5/6/17	315900	DG08	CT01		37.910	tn				
5/6/17	315908	LAROC191	CT01		33.640	tn				
5/6/17	315909	TC426	CT01		34.330	tn				
5/6/17	315914	GOUL17-2	CT01		29.340	tn				
5/6/17	315915	GOUL14-20	CT01		30.810	tn				
5/6/17	315921	DG03	CT01		36.280	tn				
5/6/17	315923	DG08	CT01		33.910	tn				
5/6/17	315924	GOU14-14	CT01		31.480	tn				
5/6/17	315933	GOUL16-7	CT01		33.930	tn				
5/6/17	315934	GOUL15-11	CT01		33.380	tn				
5/6/17	315937	TC426	CT01		34.000	tn				
5/7/17	315959	DG08	CT01		33.880	tn				
5/7/17	315963	TC63	CT01		33.540	tn				
5/7/17	315972	GOUL15-11	CT01		30.870	tn				
5/7/17	315973	GOUL16-7	CT01		29.550	tn				
5/7/17	315975	LAROC191	CT01		32.440	tn				
5/7/17	315977	LAROC2522	CT01		32.610	tn				
5/7/17	315983	GOUL17-3	CT01		31.550	tn				
5/7/17	315985	DG08	CT01		34.360	tn				
5/7/17	315988	TC426	CT01		32.090	tn				
5/7/17	315992	GOUL15-11	CT01		33.250	tn				
5/7/17	315993	GOUL16-7	CT01		31.800	tn				
5/7/17	315995	GOUL17-10	CT01		31.310	tn				
5/8/17	316000	FORD42	CT01		33.820	tn				
5/8/17	316002	TC61	CT01		34.570	tn				
5/8/17	316006	TC63	CT01		35.360	tn				
5/8/17	316008	TC426	CT01		33.720	tn				
5/8/17	316019	TC659	CT01		31.680	tn				
5/8/17	316020	LAROC191	CT01		33.420	tn				
5/8/17	316022	LAROC2522	CT01		33.470	tn				
5/8/17	316028	GOUL14-6	CT01		33.230	tn				
5/8/17	316030	FORD42	CT01		35.450	tn				
5/8/17	316038	TC426	CT01		34.320	tn				

ESMI of N.H.

Customer Usage by Date

Date Run: 6/12/2017
Time Run: 11:11:59AM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
6/9/17	316054	TC61	CT01		35.020	tn				
COAL TAR Totals					1,169.290	tn				
Total Tickets: 35										
Dike Wall Roadway Totals					1,169.290	tn				
Total Tickets: 35										
National Grid Totals					1270.320	tn				
Total Tickets: 38										
		Grand Totals			1270.320	tn				
Total Tickets: 38										

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315897
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 1
Miles : 0
Tons : 38.97

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 111800 lb Scale 1 In 9:10 am
Tare : 33860 lb STORED Out 9:09 am

Net : 77940 lb
38.970 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	38.970 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D+E 5.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D+E Entrec *

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway 6/6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D&E Ent

Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	27 est		
	Eshi/Attonlis			
	38.97 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

D&E Entrec #

(Name of Carrier)

Carrier's Pro No. D&E
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/16 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D&E Ent Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	20T EST		
	Ebbi/Athols 38.97 tons 6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315900
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 2
Miles : 0
Tons : 76.88

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 110040 lb Scale 1 In 9:27 am
Tare : 34220 lb STORED Out 9:27 am

Net : 75820 lb
37.910 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.910 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DKG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DKG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	5/18	
	ESMi / Attorb			
	37.9 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315908
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 4
Miles : 0
Tons : 144.85

Truck : LAROC191 Larochelle Truck 1917
Location: RI RHODE ISLAND

Gross : 102500 lb Scale 1 In 11:21 am
Tare : 35220 lb STORED Out 11:21 am

Net : 67280 lb
33.640 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.640 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, contracts, rules and regulations lawfully filed in effect on the date hereof, if and when required, or to the rates, contracts, rules and regulations which have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JA LaBrecque Trucking Car or Vehicle Initials 1917/421 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32.0		
	ESMI Authority			
	35.64 tons			
	06/06/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Well Trucking 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JA LaRochelle Trucking Car or Vehicle Initials 1917/4121 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32.0		
	SMI Attitude			
	3364 Fax			
	01/06/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315909
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 4
Miles : 0
Tons : 144.85

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 102760 lb Scale 1 In 11:22 am
Tare : 34100 lb STORED Out 11:22 am

Net : 68660 lb
34.330 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.330 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TL Lensing

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at Dike Wall Roadway 6-5 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 725

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	Estimated			
	34.33 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$_____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

TC Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6 - 5 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 725

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	[illegible]			
	34.33 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature]

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315914
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 6
Miles : 0
Tons : 205.00

Truck : GOUL17-2 Goulet 17-2
Location: RI RHODE ISLAND

Gross : 97740 lb Scale 1 In 1:09 pm
Tare : 39060 lb MAN WT Out 1:29 pm

Net : 58680 lb
29.340 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	29.340 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 02
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315915
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 5
Miles : 0
Tons : 175.66

Truck : GOUL14-20 Goulet 14-20
Location: RI RHODE ISLAND

Gross : 98920 lb Scale 1 In 1:11 pm
Tare : 37300 lb MAN WT Out 1:27 pm

Net : 61620 lb
30.810 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	30.810 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway 6-6-20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Car or Vehicle Initials 14-20 T143 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMI Attorney			
	30-81 Tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Jeff Crowell Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315921
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 7
Miles : 0
Tons : 241.28

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 106420 lb Scale 1 In 2:43 pm
Tare : 33860 lb STORED Out 2:43 pm

Net : 72560 lb
36.280 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.280 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Dtz-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dtz Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier ~~Utility~~ Dtz Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	EJ Mi Actus 36 28 Tax 6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. 0 tz-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dfc Ent LCC #3
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DFC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non Hazardous Contaminated Soil for Recycling	32T LST		
	EJ Mi/Actions			
	36.28 tax			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315923
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 8
Miles : 0
Tons : 275.19

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 102040 lb Scale 1 In 2:55 pm
Tare : 34220 lb STORED Out 2:55 pm

Net : 67820 lb
33.910 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.910 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DH-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DH-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Esther/Attorney			
	33.91 Tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DH-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DH-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Bill/Ad Dub			
	339/ton			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315924
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 9
Miles : 0
Tons : 306.67

Truck : GOU14-14 Goulet 14-14
Location: RI RHODE ISLAND

Gross : 101340 lb Scale 1 In 3:10 pm
Tare : 38380 lb MAN WT Out 3:24 pm

Net : 62960 lb
31.480 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $
Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.480 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

#79109

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/6 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route Goulet Trucking

Delivering Carrier Goulet Trucking Car or Vehicle Initials 14-14 No. T-140

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMi/Affolub			
	3:48 tax			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315933
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 12
Miles : 0
Tons : 407.98

Truck : GOUL16-7 Goulet 16-7
Location: RI RHODE ISLAND

Gross : 106680 lb Scale 1 In 4:04 pm
Tare : 38820 lb STORED Out 4:04 pm

Net : 67860 lb
33.930 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.930 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DATE: 6-6-17 (Name of Carrier) GOULET 16-7 T-120

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	EST 30 TON.		
	EMI/AHOLD			
	33.93 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper Christian Norris

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315934
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 11
Miles : 0
Tons : 373.98

Truck : GOUL15-11 Goulet #15-11
Location: RI RHODE ISLAND

Gross : 103200 lb Scale 1 In 4:09 pm
Tare : 36440 lb MAN WT Out 4:14 pm

Net : 66760 lb
33.380 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

JEFF

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.380 tn					

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315937
Date :6/6/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 12
Miles : 0
Tons : 407.98

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 102100 lb MAN WT In 4:31 pm
Tare : 34100 lb STORED Out 4:31 pm

Net : 68000 lb
34.000 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.000 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Lan

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6-5 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 728

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	[illegible]			
	34-00 tons			
	6/6/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speedisat® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315959
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 13
Miles : 0
Tons : 441.86

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 101980 lb Scale 1 In 9:06 am
Tare : 34220 lb STORED Out 9:06 am

Net : 67760 lb
33.880 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.880 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DXG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. DXG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	
	ESMi / Attonab			
	33.88 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315963
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 14
Miles : 0
Tons : 475.40

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 102120 lb Scale 1 In 10:16 am
Tare : 35040 lb STORED Out 10:15 am

Net : 67080 lb
33.540 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.540 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier x TC Leasing Car or Vehicle Initials 863 No. F1

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1/2	Non-Hazardous Contaminated Soil for Recycling	25 Yds		
	ESRI / Attorb			
	33.54 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway C/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier x TC Leasing Car or Vehicle Initials 863 No. A1

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1/2	Non-Hazardous Contaminated Soil for Recycling	35 Yds		
	8 Soil Attachments			
	33.54 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature]

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315972
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 16
Miles : 0
Tons : 535.82

Truck : GOUL15-11 Goulet #15-11
Location: RI RHODE ISLAND

Gross : 98180 lb Scale 1 In 10:46 am
Tare : 36440 lb MAN WT Out 10:53 am

Net : 61740 lb
30.870 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	30.870 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) Goulet 15-11

79288

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6/7/2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials 15-11 No. T-142

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	31 Est	ton	
	[signature]			
	30.87 ton			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315973
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 16
Miles : 0
Tons : 535.82

Truck : GOUL16-7 Goulet 16-7
Location: RI RHODE ISLAND

Gross : 97920 lb Scale 1 In 10:49 am
Tare : 38820 lb STORED Out 10:49 am

Net : 59100 lb
29.550 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature: Christian

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	29.550 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X GOULET 16-7 T-120 6-7-17.

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Chrisian Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	Est 30 ton.		
	ESW/Attach			
	29.55			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315975
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 17
Miles : 0
Tons : 568.26

Truck : LAROC191 Larochelle Truck 1917
Location: RI RHODE ISLAND

Gross : 100100 lb Scale 1 In 11:04 am
Tare : 35220 lb STORED Out 11:03 am

Net : 64880 lb
32.440 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.440 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

X JA LaRochelle Trucking
(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X JA LaRochelle Car or Vehicle Initials 1917/421 No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32.0		
	ESMI Attached			
	32.44 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X JA LaRochelle Trucking
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials 1917/421 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32.0		
	ES Mi [signature]			
	32.44 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315977
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 18
Miles : 0
Tons : 600.87

Truck : LAROC2522 Larochelle Truck 2522
Location: RI RHODE ISLAND

Gross : 100760 lb MAN WT In 11:28 am
Tare : 35540 lb MAN WT Out 11:28 am

Net : 65220 lb
32.610 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.610 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goulet Trucking JA LaRochelle
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X John A LaRochelle Car or Vehicle Initials 2522 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 T		
	Equi/Attbuts			
	32.6 (tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315983
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 19
Miles : 0
Tons : 632.42

Truck : GOUL17-3 Goulet Trucking 17-3
Location: RI RHODE ISLAND

Gross : 100500 lb Scale 1 In 2:24 pm
Tare : 37400 lb MAN WT Out 2:34 pm

Net : 63100 lb
31.550 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.550 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goulet Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Goulet Trucking Car or Vehicle Initials 17-3/T-105 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tn		
	Estimated			
	31.55 tn			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315985
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 20
Miles : 0
Tons : 666.78

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 102940 lb Scale 1 In 2:43 pm
Tare : 34220 lb STORED Out 2:40 pm

Net : 68720 lb
34.360 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.360 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DTG-P

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. DTG-P

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	8 Mil Attorney			
	34.36 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

x DAG-P

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier x [signature] Car or Vehicle Initials _____ No. DAG-P

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	8 Mil Attorney			
	34.36 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315988
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 21
Miles : 0
Tons : 698.87

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 98280 lb Scale 1 In 3:17 pm
Tare : 34100 lb STORED Out 3:16 pm

Net : 64180 lb
32.090 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.090 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

x TC Lensing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. 725

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3 tn		
	Edi Atlanta			
	3209 Hen			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per 6-7-17

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made In Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. 725

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 ton		
	Ellen Attorney			
	32.09 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] 6-7-17

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315992
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 23
Miles : 0
Tons : 763.92

Truck : GOUL15-11 Goulet #15-11
Location: RI RHODE ISLAND

Gross : 102940 lb Scale 1 In 4:35 pm
Tare : 36440 lb MAN WT Out 4:36 pm

Net : 66500 lb
33.250 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

JEFF

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.250 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) Goulet

79287

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials 15-11 No. 7-142

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	~~Non-Hazardous Contaminated Soil for Recycling~~	31 est ton		
	Esu/Athol			
	33 ct Tuo			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315993
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 23
Miles : 0
Tons : 763.92

Truck : GOUL16-7 Goulet 16-7
Location: RI RHODE ISLAND

Gross : 102420 lb Scale 1 In 4:36 pm
Tare : 38820 lb STORED Out 4:36 pm

Net : 63600 lb
31.800 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: Chtian

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.800 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

79289

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goulet 16-7 T-120

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	Est 30 TON.		
	[signature]			
	31.80 tons			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :315995
Date :6/7/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 24
Miles : 0
Tons : 795.23

Truck : GOUL17-10 Goulet 17-10
Location: RI RHODE ISLAND

Gross : 99900 lb Scale 1 In 4:50 pm
Tare : 37280 lb MAN WT Out 4:56 pm

Net : 62620 lb
31.310 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.310 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

x Goulet Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 6/7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier x m Greene 17-10 / T-127 Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
x	Non-Hazardous Contaminated Soil for Recycling	‡30T		
	Esi / Attleboro			
	31-3 / tw			
	6/7/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

‡Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Office address of shipper _____

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316000
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 25
Miles : 0
Tons : 829.05

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 102960 lb Scale 1 In 9:21 am
Tare : 35320 lb STORED Out 9:21 am

Net : 67640 lb
33.820 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.820 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Paul Est
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X June 8 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Edwin Ford Car or Vehicle Initials AIR 2774 Me No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMI/Attaub			
	33-82 to ∞			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford Est

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway x June 8 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford **Car or Vehicle Initials** [illegible] **No.** 41

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	[illegible]			
	33.82 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per**
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316002
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 26
Miles : 0
Tons : 863.62

Truck : TC61 TC Leasing #61
Location: RI RHODE ISLAND

Gross : 104800 lb Scale 1 In 9:33 am
Tare : 35660 lb STORED Out 9:32 am

Net : 69140 lb
34.570 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.570 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 81

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
			32 tons	
	ESMi (Attach 6			
	34.57 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03306 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. B1

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	~~Non-Hazardous Contaminated Soil for Recycling~~			
			32 tons	
	8 Mi (Attach 6			
	34.57 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316006
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 27
Miles : 0
Tons : 898.98

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 105760 lb Scale 1 In 9:47 am
Tare : 35040 lb STORED Out 9:47 am

Weigh Master: ANGELA
Angela Holub

Net : 70720 lb
35.360 tn

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.360 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

X TC Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials 863 No. 11

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 1/4	Non-Hazardous Contaminated Soil for Recycling	25 yds		
	ESMI / Attached			
	35.36 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC LEASING
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC LEASING Car or Vehicle Initials 863 No. 11

No. Packages*	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 1/2	Non-Hazardous Contaminated Soil for Recycling	35 yds		
	ESMI / Attached			
	35.36 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature]

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316008
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 28
Miles : 0
Tons : 932.70

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 101540 lb Scale 1 In 10:04 am
Tare : 34100 lb STORED Out 10:04 am

Net : 67440 lb
33.720 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $
Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.720 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Lenz

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. 754

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	ESMi / Attolub			
	33.72 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316019
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 30
Miles : 0
Tons : 997.80

Truck : TC659 TC Leasing #659
Location: RI RHODE ISLAND

Gross : 98220 lb Scale 1 In 11:57 am
Tare : 34860 lb STORED Out 11:56 am

Net : 63360 lb
31.680 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature: DIT

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.680 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-8 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Esler / [illegible]			
	31.68 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X

(Name of Carrier) TC

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-8 20 17 From 21 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03301 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Esler / Attached			
	31.68 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316020
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 30
Miles : 0
Tons : 997.80

Truck : LAROC191 Larochelle Truck 1917
Location: RI RHODE ISLAND

Gross : 102060 lb Scale 1 In 11:58 am
Tare : 35220 lb STORED Out 11:58 am

Net : 66840 lb
33.420 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.420 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X JA Lafrochelle Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32.0		
	[signature]			
	3342 [illegible]			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X JA Lafrenchele Trucking

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03303 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non Hazardous Contaminated Soil for Recycling	32.0		
	8 mi Attached			
	3342 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316022
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 31
Miles : 0
Tons : 1031.27

Truck : LAROC2522 Larochelle Truck 2522
Location: RI RHODE ISLAND

Gross : 102480 lb Scale 1 In 12:15 pm
Tare : 35540 lb MAN WT Out 12:26 pm

Net : 66940 lb
33.470 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.470 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goulet Trucking – JA Larochelle
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X John A Larochelle Car or Vehicle Initials 2572 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	~~Non-Hazardous Contaminated Soil for Recycling~~	32T		
	Esli Attolis			
	33-47 Tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Gosselt Trucking - JA Lathochelle
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X John A Lathochelle Car or Vehicle Initials 2572 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32T		
	Esmi (Attolis			
	33.47 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316028
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 32
Miles : 0
Tons : 1064.50

Truck : GOUL14-6 Goulet 14-6
Location: RI RHODE ISLAND

Gross : 101460 lb Scale 1 In 2:08 pm
Tare : 35000 lb STORED Out 2:07 pm

Net : 66460 lb
33.230 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.230 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

X Goulet Trucking Pat Howard

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-8 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X GOULET Car or Vehicle Initials 14-6 GVE-1 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LEST 30 TON	Non-Hazardous Contaminated Soil for Recycling			

Esmi Attalah
33.23 tons
6/8/17

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316030
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 33
Miles : 0
Tons : 1099.95

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 106220 lb Scale 1 In 2:19 pm
Tare : 35320 lb STORED Out 2:19 pm

Net : 70900 lb
35.450 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.450 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Ford Ent
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at Dike Wall Roadway X June 8 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AR2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	35 T		
	Emily A Holub			
	35.45 Ton			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316038
Date :6/8/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 34
Miles : 0
Tons : 1134.27

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 102740 lb Scale 1 In 3:15 pm
Tare : 34100 lb STORED Out 3:15 pm

Net : 68640 lb
34.320 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.320 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X [signature]
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6-6 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	[signature]			
	34.32 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TL Lam
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	Bill Attached			
	34.32 tons			
	6/8/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316054
Date :6/9/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 35
Miles : 0
Tons : 1169.29

Truck : TC61 TC Leasing #61
Location: RI RHODE ISLAND

Gross : 105700 lb Scale 1 In 10:25 am
Tare : 35660 lb STORED Out 10:25 am

Net : 70040 lb
35.020 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.020 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Bill Attached	32 tons		
	35.0 tons			
	6/9/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-7 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Billi Attalah	32 tons		
	35.02 tons			
	6/9/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.

Customer Usage by Date

Date Run: 6/20/2017
Time Run: 9:51:37AM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
Customer: NG60			National Grid							
Order: 10176			Meadowbrook #16 Substat							
100 Ecuador Rd.				Chelmsford		MA				
6/13/17	316125	DG03	EO01		34.200	tn				
6/13/17	316136	DG03	EO01		38.330	tn				
ELECTRICAL OIL NON-PCB (MODF) Totals					72.530	tn				
Total Tickets: 2										
Meadowbrook #16 Substation Totals					72.530	tn				
Total Tickets: 2										
Order: 10207			NG Revere - 2015							
Wharf/Railroad St.				Revere		MA				
6/12/17	316078	ESMI2	UF01		33.180	tn				
6/12/17	316091	MYSTIC28	UF01		37.580	tn				
6/12/17	316102	ESMI2	UF01		31.570	tn				
6/12/17	316110	MYSTIC35	UF01		29.080	tn				
6/12/17	316112	MYSTIC35	UF01		30.040	tn				
6/12/17	316117	MYSTIC28	UF01		37.120	tn				
6/13/17	316127	DG08	UF01		36.350	tn				
6/13/17	316132	MYSTIC30	UF01		32.360	tn				
6/13/17	316144	DG08	UF01		35.670	tn				
6/13/17	316153	MYSTIC30	UF01		22.180	tn				
URBAN FILL Totals					325.130	tn				
Total Tickets: 10										
NG Revere - 2015 Totals					325.130	tn				
Total Tickets: 10										
Order: 11202			Dike Wall Roadway							
121 Terminal Road				Providence		RI				
6/12/17	316079	DG03	CT01		35.570	tn				
6/12/17	316081	DG08	CT01		37.200	tn				
6/12/17	316085	SRS777	CT01		24.940	tn				
6/12/17	316086	FORD42	CT01		36.020	tn				
6/12/17	316088	TC61	CT01		35.500	tn				
6/12/17	316094	TC63	CT01		34.670	tn				
6/12/17	316105	DG03	CT01		36.470	tn				
6/12/17	316109	FORD42	CT01		34.030	tn				
6/12/17	316111	TC61	CT01		36.830	tn				
6/12/17	316113	DG08	CT01		36.570	tn				
6/12/17	316116	TC426	CT01		37.660	tn				
6/12/17	316119	SRS777	CT01		22.130	tn				
COAL TAR Totals					407.590	tn				
Total Tickets: 12										
Dike Wall Roadway Totals					407.590	tn				
Total Tickets: 12										
Order: 11229			Sandy Pond HVDC Conver							
55 Radison Rd.				Ayer		MA				

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316079
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 36
Miles : 0
Tons : 1204.86

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 105000 lb Scale 1 In 8:43 am
Tare : 33860 lb STORED Out 8:43 am

Net : 71140 lb
35.570 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.570 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

X TC Casing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	ESMi/Attolub		32	tons
	35.50 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Lading
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 6-12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Attolub		32	tons
	35.50 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316094
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 41
Miles : 0
Tons : 1373.19

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 104380 lb Scale 1 In 11:09 am
Tare : 35040 lb STORED Out 11:08 am

Net : 69340 lb
34.670 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.670 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) T C Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6.12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH County 03307 Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials TC No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	[signature]			
	34.67 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) T C Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6.12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. State Loudon Zip NH County 03307

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X T C Leasing Car or Vehicle Initials T C No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	Ebill # [illegible]			
	34.67 TNS			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316105
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 42
Miles : 0
Tons : 1409.66

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 106800 lb Scale 1 In 1:44 pm
Tare : 33860 lb STORED Out 1:44 pm

Net : 72940 lb
36.470 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.470 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DtC Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, contracts and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6/12 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X DtC Ent Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESMi / Attached 3647 Tons 6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DtC Ent LLC #5

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request

at Dike Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor-carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X DtC Ent Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESMI Attached 3647 for 6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316109
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 43
Miles : 0
Tons : 1443.69

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 103380 lb Scale 1 In 2:07 pm
Tare : 35320 lb STORED Out 2:05 pm

Net : 68060 lb
34.030 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.030 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

X Edward M Ford Sit

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X Jun 12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Fed Car or Vehicle Initials ARSTTY No. 43

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	~~Non-Hazardous Contaminated Soil for Recycling~~	33T		
	Bill Attached			
	34.03 Ton			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford Est
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X June 12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03300 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Edward Ford Car or Vehicle Initials AR 2714 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	3 ST		
	Emil Attoub			
	34.03 ton			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316111
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 44
Miles : 0
Tons : 1480.52

Truck : TC61 TC Leasing #61
Location: RI RHODE ISLAND

Gross : 109320 lb MAN WT In 2:13 pm
Tare : 35660 lb STORED Out 2:13 pm

Net : 73660 lb
36.830 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.830 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6-12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[illegible]	32 tons		
	36.83 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Bike Wall Roadway X 6-12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Ethi Attelier	32 tons		
	36.83 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the [illegible] have been established by the carrier and are available to the shipper, on request,

at Lake Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [illegible] DTG Env'l Car or Vehicle Initials 2 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32T GST		
	ESMI/Attdub			
	35.57 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible]

Shipper Per _____ Agent Per _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at Lake Walk Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X DTG Enl Car or Vehicle Initials 2 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	ESII/AHRub			
	35.57tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper Per

Agent must detach and retain this Shipping

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316081
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 37
Miles : 0
Tons : 1242.06

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 108620 lb Scale 1 In 9:00 am
Tare : 34220 lb STORED Out 8:59 am

Net : 74400 lb
37.200 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.200 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	1 Dt Non-Hazardous Contaminated Soil for Recycling	30	T	
	Emi/Ahub			
	37.00 flat			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X DTG-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6/12 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 lot	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Equipment			
	37.00 flat			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316085
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 39
Miles : 0
Tons : 1303.02

Truck : SRS777 SRS NATIONAL TRUCK #777
Location: RI RHODE ISLAND

Gross : 75780 lb Scale 1 In 9:19 am
Tare : 25900 lb STORED Out 9:19 am

Net : 49880 lb
24.940 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	24.940 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X SRS-National

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-12-17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X SRS National Car or Vehicle Initials #777 No. CT3787VA

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 22	Non-Hazardous Contaminated Soil for Recycling	22 Tons		
	ESMI/AHDWB			
	2494 tons			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X SRS-National

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-12-17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X SRS National Car or Vehicle Initials #777 No. CT3787VA

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X22	Non-Hazardous Contaminated Soil for Recycling	22 Tons		
	ESMJ Attorney			
	2494 tons			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316086
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 39
Miles : 0
Tons : 1303.02

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 107360 lb Scale 1 In 9:25 am
Tare : 35320 lb STORED Out 9:25 am

Net : 72040 lb
36.020 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.020 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Ford Est
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X June 12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AK5974 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	33T		
	Ellis/Attleboro 36.02 Tons 6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford Est
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X May 11 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AHS 394 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	33T		
	Ellis/Attach 36 02 Tkt 6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316088
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 40
Miles : 0
Tons : 1338.52

Truck : TC61 TC Leasing #61
Location: RI RHODE ISLAND

Gross : 106660 lb Scale 1 In 9:41 am
Tare : 35660 lb STORED Out 9:40 am

Net : 71000 lb
35.500 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.500 tn					

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316113
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 45
Miles : 0
Tons : 1517.09

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 107360 lb Scale 1 In 2:22 pm
Tare : 34220 lb STORED Out 2:22 pm

Net : 73140 lb
36.570 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.570 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DTC

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. DTC-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Shipped Attached 30.17 tons 6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Trip
44-302•Qua

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DVG

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 6/12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	
	8 mi Attached			
	36 17 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316116
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 46
Miles : 0
Tons : 1554.75

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 109420 lb MAN WT In 2:59 pm
Tare : 34100 lb STORED Out 2:59 pm

Net : 75320 lb
37.660 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.660 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X [illegible] Cor

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at Dike Wall Roadway X 6-12 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. 725426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	30 [illegible]		
	ESM/Attalab			
	37.66 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TL Leasing Co

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request

at Dike Wall Roadway XL-122 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. 725726

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	~~Non Hazardous Contaminated Soil for Recycling~~	30 tons		
	ESM Attdelt			
	37 66 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316119
Date :6/12/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 47
Miles : 0
Tons : 1576.88

Truck : SRS777 SRS NATIONAL TRUCK #777
Location: RI RHODE ISLAND

Gross : 70160 lb Scale 1 In 3:29 pm
Tare : 25900 lb STORED Out 3:28 pm

Net : 44260 lb
22.130 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	22.130 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X SRS National
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-12-17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X SRS National Car or Vehicle Initials CT378714 No. #777

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	22		
	Ejectable			
	22.13 tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X SRS National

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 6-12-17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X SRS National Car or Vehicle Initials CT378714 No. #772

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	22		
	[signature]			
	22.13tons			
	6/12/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.

Customer Usage by Date

Date Run: 7/24/2017
Time Run: 10:41:14AM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
Customer:	NG60		National Grid							
Order:	11202		Dike Wall Roadway							
	121 Terminal Road			Providence		RI				
7/17/17	316551	DG08	CT01		35.240	tn				
7/17/17	316553	GOUL14-7	CT01		34.250	tn				
7/17/17	316555	FORD42	CT01		34.850	tn				
7/17/17	316556	GOUL12-7	CT01		31.990	tn				
7/17/17	316558	TC63	CT01		35.600	tn				
7/17/17	316559	TC659	CT01		33.420	tn				
7/17/17	316565	GOUL16-1	CT01		32.940	tn				
7/17/17	316567	GOUL15-5	CT01		37.990	tn				
7/17/17	316572	GOUL17-10	CT01		32.900	tn				
7/17/17	316573	TC426	CT01		32.950	tn				
7/17/17	316576	TC762	CT01		36.130	tn				
7/17/17	316580	GOUL17-2	CT01		30.280	tn				
7/17/17	316581	DG08	CT01		37.600	tn				
7/17/17	316582	GOUL14-7	CT01		33.360	tn				
7/17/17	316584	FORD42	CT01		37.410	tn				
7/17/17	316585	GOUL12-7	CT01		30.730	tn				
7/17/17	316586	TC63	CT01		34.200	tn				
7/17/17	316589	TC659	CT01		33.130	tn				
7/17/17	316590	GOUL12-5	CT01		30.880	tn				
7/17/17	316591	GOUL14-10	CT01		33.430	tn				
7/18/17	316600	DG08	CT01		37.350	tn				
7/18/17	316603	DG03	CT01		37.950	tn				
7/18/17	316604	FORD42	CT01		32.240	tn				
7/18/17	316605	TC426	CT01		33.840	tn				
7/18/17	316606	TC659	CT01		35.340	tn				
7/18/17	316607	TC63	CT01		37.680	tn				
7/18/17	316608	GOUL15-5	CT01		36.270	tn				
7/18/17	316613	TC762	CT01		35.210	tn				
7/18/17	316615	DG08	CT01		36.450	tn				
7/18/17	316616	LAROC2522	CT01		33.840	tn				
7/18/17	316617	DG03	CT01		33.630	tn				
7/18/17	316618	FORD42	CT01		37.200	tn				
7/18/17	316619	TC426	CT01		34.570	tn				
7/18/17	316620	TC659	CT01		35.740	tn				
7/18/17	316621	TC63	CT01		36.270	tn				
7/18/17	316624	LAROC191	CT01		33.560	tn				
COAL TAR Totals					1,246.420	tn				
Total Tickets: 36										
Dike Wall Roadway Totals					1,246.420	tn				
Total Tickets: 36										
National Grid Totals					**1246.420**	**tn**				
Total Tickets: 36										

ORIGINAL
BOL ATTACHED

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316551
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 48
Miles : 0
Tons : 1612.12

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 104700 lb Scale 1 In 8:34 am
Tare : 34220 lb STORED Out 8:33 am

Net : 70480 lb
35.240 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.240 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at Dike Well Roadway 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	TR	
	Ellis/A Holdel			
	35.24 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	TX	
	SMi/A Holub			
	35.24 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316553
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 49
Miles : 0
Tons : 1646.37

Truck : GOUL14-7 Goulet 14-7
Location: RI RHODE ISLAND

Gross : 102580 lb Scale 1 In 8:50 am
Tare : 34080 lb STORED Out 8:50 am

Net : 68500 lb
34.250 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.250 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier COULET TRUCKING Car or Vehicle Initials 14-7 T-88 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[illegible]			
	34.25 tons			
	7/17/17			
	[illegible]			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316555
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 51
Miles : 0
Tons : 1713.21

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 105020 lb Scale 1 In 9:03 am
Tare : 35320 lb STORED Out 9:02 am

Net : 69700 lb
34.850 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.850 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Ford
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials X NR2774 No. X 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33+		
	ESMi / Attalah			
	3485 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials ~~X~~ AR2774 No. X 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33+		
	ESMi / Attleboro			
	3485 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316556
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 51
Miles : 0
Tons : 1713.21

Truck : GOUL12-7 Goulet 12-7
Location: RI RHODE ISLAND

Gross : 100440 lb Scale 1 In 9:05 am
Tare : 36460 lb STORED Out 9:05 am

Net : 63980 lb
31.990 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	31.990 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Gulet trucking Car or Vehicle Initials No. 12-7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	85 Mi / Attorney			
	31.99 tons			
	7/17/12			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316558
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 52
Miles : 0
Tons : 1748.81

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 106240 lb Scale 1 In 9:19 am
Tare : 35040 lb STORED Out 9:18 am

Net : 71200 lb
35.600 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.600 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7.17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Leasing Car or Vehicle Initials TC No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	Bill Attached			
	35.60 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Duke Wall Roadway X 7.17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials X TC No. X 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	Ship/Attach			
	35.60 ton			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316559
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 53
Miles : 0
Tons : 1782.23

Truck : TC659 TC Leasing #659
Location: RI RHODE ISLAND

Gross : 101700 lb Scale 1 In 9:36 am
Tare : 34860 lb STORED Out 9:36 am

Net : 66840 lb
33.420 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: DH

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.420 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-17 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials X 88716 No. X 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	[signature]			
	33.42 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials X 88716 No. X 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Esmi Attalah			
	3342 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316565
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 54
Miles : 0
Tons : 1815.17

Truck : GOUL16-1 Goulet Trucking #16-1
Location: RI RHODE ISLAND

Gross : 102500 lb Scale 1 In 11:17 am
Tare : 36620 lb MAN WT Out 11:27 am

Net : 65880 lb
32.940 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.940 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20/7 From 121 Terminal Road, Providence, RI 7/17/17

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
7	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	ESMi/Altolub			
	32.94 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316567
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 55
Miles : 0
Tons : 1853.16

Truck : GOUL15-5 Goulet #15-5
Location: RI RHODE ISLAND

Gross : 110140 lb Scale 1 In 11:40 am
Tare : 34160 lb STORED Out 11:40 am

Net : 75980 lb
37.990 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.990 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 2/12 20 12 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X John Pelway Car or Vehicle Initials X15-5 No. X R 128

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	Esi | Attrub			
	37.99 Tons			
	7/13/12			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper Per Agent Per

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316572
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 57
Miles : 0
Tons : 1919.01

Truck : GOUL17-10 Goulet 17-10
Location: RI RHODE ISLAND

Gross : 103360 lb Scale 1 In 12:07 pm
Tare : 37560 lb Scale 1 Out 12:16 pm

Net : 65800 lb
32.900 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.900 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goolet Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Goolet Trucking [signature] Car or Vehicle Initials X 17-10 No. X T-131

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	±31 Ton		
	[signature]			
	32.90 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316573
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 57
Miles : 0
Tons : 1919.01

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 100000 lb Scale 1 In 12:08 pm
Tare : 34100 lb STORED Out 12:08 pm

Net : 65900 lb
32.950 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.950 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC leasing Car or Vehicle Initials X 93024 No. X 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Eshi / Attleb			
	32.95 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, as retained by the Agent

X TC leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at DIKE Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC leasing Car or Vehicle Initials X 93024 No. X 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	ESMi / Attachments			
	32.95 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316576
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 58
Miles : 0
Tons : 1955.14

Truck : TC762 TC LEASING # 762
Location: RI RHODE ISLAND

Gross : 107180 lb Scale 1 In 12:38 pm
Tare : 34920 lb STORED Out 12:38 pm

Net : 72260 lb
36.130 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.130 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Lem

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Direct Car or Vehicle Initials X 7JB No. X

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	ESMi Attorb			
	36-13 Tax			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Lee
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dale Wall Roadway X 7-15 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Direct Car or Vehicle Initials X 7225 No. X

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	Ebli Attoub			
	36-13 ton			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316580
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 59
Miles : 0
Tons : 1985.42

Truck : GOUL17-2 Goulet 17-2
Location: RI RHODE ISLAND

Gross : 99620 lb Scale 1 In 1:15 pm
Tare : 39060 lb MAN WT Out 1:33 pm

Weigh Master: ANGELA
Angela Holub

Net : 60560 lb
30.280 tn

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	30.280 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Goulet Car or Vehicle Initials MA 98545 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 EST.		
	Esh ij Attelah			
	30.28 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316581
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 60
Miles : 0
Tons : 2023.02

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 109420 lb Scale 1 In 1:34 pm
Tare : 34220 lb STORED Out 1:34 pm

Net : 75200 lb
37.600 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.600 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	TN	
	ESMI / Attorneys			
	37.60 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X D+G-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	TN	
	Smi / Attorneys			
	37.60 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316582
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 62
Miles : 0
Tons : 2093.79

Truck : GOUL14-7 Goulet 14-7
Location: RI RHODE ISLAND

Gross : 100800 lb Scale 1 In 1:49 pm
Tare : 34080 lb STORED Out 1:49 pm

Net : 66720 lb
33.360 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.360 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X GOULET TRUCKING Car or Vehicle Initials 14-7 T-F No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Attolub			
	33.36 tons			
	7/17/17			
	[signature]			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature]

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316584
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 62
Miles : 0
Tons : 2093.79

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 110140 lb Scale 1 In 1:55 pm
Tare : 35320 lb STORED Out 1:55 pm

Net : 74820 lb
37.410 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: Eddie

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.410 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Eddie Ford Ent
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AK2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	53T		
	Elm / Attrib			
	37.41 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Eddie of M Ford Ent
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at DIKE Wall Roadway X 7/17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AK2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	33T		
	Eddie Attwood			
	37.41 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316585
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 64
Miles : 0
Tons : 2158.72

Truck : GOUL12-7 Goulet 12-7
Location: RI RHODE ISLAND

Gross : 97920 lb Scale 1 In 2:12 pm
Tare : 36460 lb STORED Out 2:11 pm

Net : 61460 lb
30.730 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	30.730 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Gulet Trucking Car or Vehicle Initials 88565 No. 12-7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T		
	ESMI/Attolub			
	30.73 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316586
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 64
Miles : 0
Tons : 2158.72

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 103440 lb Scale 1 In 2:13 pm
Tare : 35040 lb STORED Out 2:12 pm

Net : 68400 lb
34.200 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.200 tn					

Original – Not Negotiable

X

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7. 17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials TC No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	[illegible]			
	34.20 Tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7. 17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing **Car or Vehicle Initials** TC **No.** 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	Equip/Alt Dlvry			
	34.00 Flat			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre box(s) used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316589
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 65
Miles : 0
Tons : 2191.85

Truck : TC659 TC Leasing #659
Location: RI RHODE ISLAND

Gross : 101120 lb Scale 1 In 2:35 pm
Tare : 34860 lb STORED Out 2:34 pm

Net : 66260 lb
33.130 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: DH

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.130 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-17 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to ~~Environmental Soil Mgmt~~

(Mail or street address of consignee – For purposes of notification only.)

Destination ~~67 International Dr. Loudon~~ State ~~NH~~ Zip ~~03307~~ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	~~Non-Hazardous Contaminated Soil for Recycling~~	32 tons		
	Ethu (Attlub			
	33.13 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Ethel Attorney			
	33.13 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316590
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 66
Miles : 0
Tons : 2222.73

Truck : GOUL12-5 Goulet 12-5
Location: RI RHODE ISLAND

Gross : 99060 lb Scale 1 In 2:50 pm
Tare : 37300 lb STORED Out 2:49 pm

Net : 61760 lb
30.880 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: Kevin Bell

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	30.880 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 7-17 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Gr Wet Trucking Car or Vehicle Initials 12-5 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
K	Non-Hazardous Contaminated Soil for Recycling	35.Tn		
	ESM/A Hall			
	30.88 tun			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature]

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316591
Date :7/17/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 67
Miles : 0
Tons : 2256.16

Truck : GOUL14-10 Goulet 14-10
Location: RI RHODE ISLAND

Gross : 104840 lb Scale 1 In 3:15 pm
Tare : 37980 lb MAN WT Out 3:28 pm

Net : 66860 lb
33.430 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.430 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Goulet

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway 7/17 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Car or Vehicle Initials 84355 MA No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	~30 ton		
	Esh IAHmb			
	33 43 tons			
	7/17/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316600
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 68
Miles : 0
Tons : 2293.51

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 108920 lb Scale 1 In 8:24 am
Tare : 34220 lb STORED Out 8:24 am

Net : 74700 lb
37.350 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.350 tn					

Original – Not Negotiable

X D-6-8

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. D-6-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Eshi / Attolub			
	37.35 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X D-6-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State Nzip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. D-6-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 10T	Non-Hazardous Contaminated Soil for Recycling	30	T	
	ESMi / Attolub			
	37 35 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316603
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 69
Miles : 0
Tons : 2331.46

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 109760 lb Scale 1 In 8:38 am
Tare : 33860 lb STORED Out 8:37 am

Net : 75900 lb
37.950 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.950 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X Dto End Car or Vehicle Initials No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32T 65T		
	Ethi Attolub			
	3295 Tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X Dte Ent Car or Vehicle Initials No.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	(32T 65T)		
	Eshi / Atlbus			
	3295 Tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent must detach and retain this Shipping

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316604
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 70
Miles : 0
Tons : 2363.70

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 99800 lb Scale 1 In 8:45 am
Tare : 35320 lb STORED Out 8:44 am

Net : 64480 lb
32.240 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.240 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Ford Est
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AR2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
*	Non-Hazardous Contaminated Soil for Recycling	331		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford Est
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Blue Wall Roadway, X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Edward Ford Car or Vehicle Initials AR2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
*	Non-Hazardous Contaminated Soil for Recycling	33 T		
	Ethel Attorney			
	3224 Tow			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316605
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 72
Miles : 0
Tons : 2432.88

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 101780 lb Scale 1 In 9:09 am
Tare : 34100 lb STORED Out 9:08 am

Net : 67680 lb
33.840 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.840 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X TC leasing Car or Vehicle Initials 93024 No. Truck 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	Eli Attaher			
	3384			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper Per Agent Per

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC leasing Car or Vehicle Initials 93024 No. Truck 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	Eli / Attalla			
	33 84 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper Per

Agent must detach and retain this shipping
Order and must sign the Original Bill of Lading

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316606
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 72
Miles : 0
Tons : 2432.88

Truck : TC659 TC Leasing #659
Location: RI RHODE ISLAND

Gross : 105540 lb Scale 1 In 9:18 am
Tare : 34860 lb STORED Out 9:18 am

Net : 70680 lb
35.340 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: DH

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.340 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7-18 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Estimated			
	35.34 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	ESMI (Attdub)			
	35.34 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316607
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 73
Miles : 0
Tons : 2470.56

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 110400 lb Scale 1 In 9:30 am
Tare : 35040 lb STORED Out 9:30 am

Net : 75360 lb
37.680 tn

Weigh Master: ANGELA
Angela Holub

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.680 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials TC No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
*	Non-Hazardous Contaminated Soil for Recycling			
		30 TNS		
	ESMi/Attolub			
	37.68 Tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7.18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials TC No. 863

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling			
		30 TUS		
	ESMI/Attolub			
	3768 TON			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316608
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 74
Miles : 0
Tons : 2506.83

Truck : GOUL15-5 Goulet #15-5
Location: RI RHODE ISLAND

Gross : 106700 lb Scale 1 In 11:18 am
Tare : 34160 lb STORED Out 11:17 am

Net : 72540 lb
36.270 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.270 tn					

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316613
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 75
Miles : 0
Tons : 2542.04

Truck : TC762 TC LEASING # 762
Location: RI RHODE ISLAND

Gross : 105340 lb Scale 1 In 12:05 pm
Tare : 34920 lb STORED Out 12:04 pm

Net : 70420 lb
35.210 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.210 tn					

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X John Gray Car or Vehicle Initials 15-5 No. GVF-9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	102000		
	ESMI/Attitude			
	36.27 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X . TC Lease

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike-Well Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 728

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	30 tons		

ESMI Attitude
35.21 Tons
7/18/17

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TC Lowe

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials _____ No. 725

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	[illegible]			
	35 21 Tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316615
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 76
Miles : 0
Tons : 2578.49

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 107120 lb Scale 1 In 1:14 pm
Tare : 34220 lb STORED Out 1:13 pm

Net : 72900 lb
36.450 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.450 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X Car or Vehicle Initials No. DRG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 10T	Non-Hazardous Contaminated Soil for Recycling	30		

Esmil Alvarez
3645 Fuso
7/18/17

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. DRG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 10T	Non-Hazardous Contaminated Soil for Recycling	30		
	ESMI/AHOLD			
	36 YT TON			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316616
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 78
Miles : 0
Tons : 2645.96

Truck : LAROC2522 Larochelle Truck 2522
Location: RI RHODE ISLAND

Gross : 103220 lb Scale 1 In 1:31 pm
Tare : 35540 lb MAN WT Out 1:42 pm

Net : 67680 lb
33.840 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.840 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Goulet Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X JA LaRochelle Trucking Car or Vehicle Initials _____ No. 2522

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32+		
	EMY Attachments			
	3384 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Goulet Trucking
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway X 7-18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X JA LaRochelle Trucking Car or Vehicle Initials _____ No. 2522

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32+		
	ESM A Holmes			
	3384 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316617
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 77
Miles : 0
Tons : 2612.12

Truck : DG03 D&G ENTERPRISES, LLC #3
Location: RI RHODE ISLAND

Gross : 101120 lb Scale 1 In 1:36 pm
Tare : 33860 lb STORED Out 1:36 pm

Net : 67260 lb
33.630 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.630 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DC Ent LLC #7

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X DC Ent Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 1	Non-Hazardous Contaminated Soil for Recycling	32 LST		
	Shi (Attached)			
	33.63 Tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X DtC Ent ICE #2

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X DtC Ent [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
* 1	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	8 Mi (Attached)			
	33.63 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316618
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 79
Miles : 0
Tons : 2683.16

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 109720 lb Scale 1 In 1:49 pm
Tare : 35320 lb STORED Out 1:47 pm

Net : 74400 lb
37.200 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	37.200 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Edward N Ford Ent

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Edde Ford Car or Vehicle Initials ARS774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	37T		
	Esm Attorney			
	37.00 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

X Edward M Fuel Ent
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dixie Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Edwe Fuel Car or Vehicle Initials AB 5774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	37T		
	Esh Attoh			
	37.00 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316619
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 80
Miles : 0
Tons : 2717.73

Truck : TC426 TC Leasing #426
Location: RI RHODE ISLAND

Gross : 103240 lb Scale 1 In 1:57 pm
Tare : 34100 lb STORED Out 1:57 pm

Net : 69140 lb
34.570 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.570 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X TC leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC leasing Car or Vehicle Initials 93024 No. TRK 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	Shi / Attach			
	34.57 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X - TC leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18 20 12 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC leasing Car or Vehicle Initials 93024 No. Trk 426

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	Shei / Attlub			
	3457 ton			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

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44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316620
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 81
Miles : 0
Tons : 2753.47

Truck : TC659 TC Leasing #659
Location: RI RHODE ISLAND

Gross : 106340 lb Scale 1 In 2:24 pm
Tare : 34860 lb STORED Out 2:24 pm

Net : 71480 lb
35.740 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature: DH

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	35.740 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X _____ (Name of Carrier) TC

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7-18 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

67 International Dr. Loudon NH 03307 (Mail or street address of consignee – For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Car or Vehicle Initials 88916 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	ESMI/Attdub			
	35.74 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

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44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. ✓
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

X

(Name of Carrier) TC

RECEIVED, subject to [illegible] contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

Dike Wall Roadway 121 Terminal Road, Providence, RI

at X 7-18 20 17 From

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination State Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier X TC Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	8 Mil Attdub			
	35 74 tons			
	7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper

REDIFORM.

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44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316621
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 82
Miles : 0
Tons : 2789.74

Truck : TC63 TC Leasing 63 (863)
Location: RI RHODE ISLAND

Gross : 107580 lb Scale 1 In 3:01 pm
Tare : 35040 lb STORED Out 3:01 pm

Net : 72540 lb
36.270 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.270 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7.18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Leasing Car or Vehicle Initials TC No. 865

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	~~Non-Hazardous Contaminated Soil for Recycling~~	30 TNS		
	Ehi Alt Dub 36-27 Tue 7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

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44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X

(Name of Carrier) TC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7. 18 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr, Loudo State _____ Zip 033 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X TC Leasing Car or Vehicle Initials Tc No. 8605

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	30 TNS		
	Ellis/Attlub 3627 TOF 7/18/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

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Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316624
Date :7/18/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 83
Miles : 0
Tons : 2823.30

Truck : LAROC191 Larochelle Truck 1917
Location: RI RHODE ISLAND

Gross : 102340 lb Scale 1 In 4:04 pm
Tare : 35220 lb STORED Out 4:04 pm

Net : 67120 lb
33.560 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	33.560 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X JA LaRochelle Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18/17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	32		
		ESMi/Attlub		
	Final Load ROH	33.56 tons		
		7/18/17		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X TM Trucking

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/18/17 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudo State _____ Zip 03363 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	~~Non Hazardous Contaminated Soil for Recycling~~	30		
		8SMI/AHDWD		
	Final Load BCH	33 56 TON		
		7/18/17		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.

Customer Usage by Date

Date Run: 7/31/2017
Time Run: 4:58:47PM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
Customer:	NG60		National Grid							
Order:	11202		Dike Wall Roadway							
	121 Terminal Road			Providence		RI				
7/28/17	316768	FORD42	CT01		34.530	tn				
7/28/17	316776	FORD42	CT01		36.980	tn				
7/31/17	316789	FORD42	CT01		39.060	tn				
7/31/17	316790	DG08	CT01		39.920	tn				
7/31/17	316802	FORD42	CT01		34.890	tn				
7/31/17	316803	DG08	CT01		32.310	tn				
COAL TAR Totals					217.690	tn				
Total Tickets: 6										
Dike Wall Roadway Totals					217.690	tn				
Total Tickets: 6										
National Grid Totals					217.690	tn				
Total Tickets: 6										
		Grand Totals			217.690	tn				
Total Tickets: 6										

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316768
Date :7/28/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 84
Miles : 0
Tons : 2857.83

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 104380 lb Scale 1 In 10:25 am
Tare : 35320 lb STORED Out 10:25 am

Net : 69060 lb
34.530 tn

Weigh Master: MARC
Marc Aubrey

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.530 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X Edward M Ford Est
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X July 28 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Eddie Ford Car or Vehicle Initials AR2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMI/Mann [illegible]			
	7/28/17			
	34.53 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

X Edward M Ford Est
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway X July 28 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X Edward Ford Car or Vehicle Initials AR 2774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X	Non-Hazardous Contaminated Soil for Recycling	33T		
	FSMI/Mon Cy			
	7/28/17			
	34.53 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316776
Date :7/28/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 85
Miles : 0
Tons : 2894.81

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 109280 lb Scale 1 In 3:54 pm
Tare : 35320 lb STORED Out 3:53 pm

Net : 73960 lb
36.980 tn

Weigh Master: MARC
Marc Aubrey

Material $
Delivery $
Misc $
Tax $

Total $

Remarks: Thank You For Your Business

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	36.980 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, terms and conditions of carriage in effect on the date of issue of this bill of lading, as established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway July 21 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Eddie Ford Car or Vehicle Initials AR2774 No. 32

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMI/Altolm b			
	30-95 ton			
	7/28/17			
	28			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 4 Jul 31 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address ★** _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Eddie Ford **Car or Vehicle Initials** Ape 2714 **No.** 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMi/A/Holm b			
	36.98 ton			
	7/28/17			
	28			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Agent must detach and retain this Shipping

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316789
Date :7/31/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 87
Miles : 0
Tons : 2973.79

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 113440 lb Scale 1 In 10:48 am
Tare : 35320 lb STORED Out 10:48 am

Net : 78120 lb
39.060 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	39.060 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Eldie Ford Car or Vehicle Initials ARS 774 No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	Ethel / Attorb			
	39.06 tax			
	7/31/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature]

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at Dike Wall Roadway July 20 07 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Blue Fox Car or Vehicle Initials ARSTM No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	Ethel Atkins			
	39 Cobb Rox			
	7/31/07			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent must detach and retain this Shipping

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316790
Date :7/31/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 87
Miles : 0
Tons : 2973.79

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 114060 lb Scale 1 In 10:53 am
Tare : 34220 lb STORED Out 10:53 am

Net : 79840 lb
39.920 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	39.920 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DCP

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway X 7/31 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
X 1 DT	Non-Hazardous Contaminated Soil for Recycling	30		
	Shi/Ab Hub			
	399-2560			
	7/31/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

X DCP
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request

at Dike Wall Roadway X 7/31 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30		
	ES Mi (A Holub			
	3992 [illegible]			
	7/31/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316802
Date :7/31/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 88
Miles : 0
Tons : 3008.68

Truck : FORD42 Edward Ford Enterprises
Location: RI RHODE ISLAND

Gross : 105100 lb Scale 1 In 3:50 pm
Tare : 35320 lb STORED Out 3:50 pm

Net : 69780 lb
34.890 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.890 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway July 28 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Eddie Ford Car or Vehicle Initials ARJ774 No. 4

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMI/AHDub			
	3489700			
	7/31/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway July 28 20 17 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ **To be filled in only when shipper desires and governing tariffs provide for delivery thereof.**

Route _____

Delivering Carrier Eddie Sand **Car or Vehicle Initials** ARJ774 **No.** 4

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T		
	ESMi/AHDub			
	3489 ton			
	7/31/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. §14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Agent must detach and retain this Shipping

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :316803
Date :7/31/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 89
Miles : 0
Tons : 3040.99

Truck : DG08 D&G ENTERPRISES TRUCK #8
Location: RI RHODE ISLAND

Gross : 98840 lb Scale 1 In 4:57 pm
Tare : 34220 lb STORED Out 4:56 pm

Net : 64620 lb
32.310 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.310 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DKG-5

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 7/31 2017 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DKG-5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30		

Estimated Holes 323 / Tons 7/31/17

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Shipping Order must be filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DHG

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway 7/31 20 19 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NZ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DHG 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non Hazardous Contaminated Soil for Recycling	3		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

2

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.

Customer Usage by Date

Date Run: 8/21/2017
Time Run: 2:39:20PM

Ticket Date	Ticket Number	Truck/Trailer ID	Material ID	Unit	Net		Material	Delivery	Tax/Misc.	Total
Customer:	NG60		National Grid							
Order:	11202		Dike Wall Roadway							
	121 Terminal Road			Providence		RI				
8/16/17	317227	SRS888	CT01		22.610	tn				
8/16/17	317233	GOUL12-5	CT01		34.260	tn				
8/16/17	317235	GOUL17-3	CT01		32.980	tn				
8/16/17	317237	GOUL15-12	CT01		32.970	tn				
8/16/17	317254	SRS888	CT01		23.790	tn				
8/16/17	317256	GOUL17-10	CT01		26.060	tn				
8/16/17	317258	GOUL12-5	CT01		17.910	tn				
COAL TAR Totals					190.580	tn				
Total Tickets: 7										
Dike Wall Roadway Totals					190.580	tn				
Total Tickets: 7										
National Grid Totals					190.580	tn				
Total Tickets: 7										
		Grand Totals			190.580	tn				
Total Tickets: 7										

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317227
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 90
Miles : 0
Tons : 3063.60

Truck : SRS888 SRS TRANSPORTATION TRUCK# 88
Location: RI RHODE ISLAND

Gross : 73080 lb Scale 1 In 9:15 am
Tare : 27860 lb STORED Out 9:15 am

Net : 45220 lb
22.610 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	22.610 tn					

otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request: 121 Terminal Road, Providence, RI

at _____ 20 _____ From _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **(Mail or street address of consignee – For purposes of notification only.) Delivery Address ★** _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier SRS NATIONAL LLC **Car or Vehicle Initials** #888 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	22	T	
	ESM: Attorneys			
	22.6 (two			
	8/16/12			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317233
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 91
Miles : 0
Tons : 3097.86

Truck : GOUL12-5 Goulet 12-5
Location: RI RHODE ISLAND

Gross : 105820 lb
Tare : 37300 lb
Net : 68520 lb
34.260 tn

Scale 1 STORED
In 10:09 am
Out 10:09 am

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $
Total $

Signature: Kevin Bailo

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	34.260 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Eshi Abdulah			
	34.26			
	8/16/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317235
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 92
Miles : 0
Tons : 3130.84

Truck : GOUL17-3 Goulet Trucking 17-3
Location: RI RHODE ISLAND

Gross : 103360 lb Scale 1 In 10:51 am
Tare : 37400 lb MAN WT Out 11:05 am

Net : 65960 lb
32.980 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.980 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Ejmi | Attlub
32.98 tns
8/16/17

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317237
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 93
Miles : 0
Tons : 3163.81

Truck : GOUL15-12 Goulet Trucking #15-12
Location: RI RHODE ISLAND

Gross : 102900 lb Scale 1 In 11:18 am
Tare : 36960 lb MAN WT Out 11:32 am

Net : 65940 lb
32.970 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	32.970 tn					

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] established by the carrier and are available to the shipper, on request,

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Inc Car or Vehicle Initials 15-12/T-136 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T EST		
	ESMI/Attlmb			
	3297 TUS			
	8/16/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper Per [signature]

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317254
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 94
Miles : 0
Tons : 3187.60

Truck : SRS888 SRS TRANSPORTATION TRUCK# 88
Location: RI RHODE ISLAND

Gross : 75440 lb Scale 1 In 2:08 pm
Tare : 27860 lb STORED Out 2:07 pm

Net : 47580 lb
23.790 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	23.790 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	23	5	
	[signature]			
	23.79 Tons			
	8/16/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317256
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 95
Miles : 0
Tons : 3213.66

Truck : GOUL17-10 Goulet 17-10
Location: RI RHODE ISLAND

Gross : 89380 lb Scale 1 In 2:44 pm
Tare : 37260 lb MAN WT Out 2:53 pm

Net : 52120 lb
26.060 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	26.060 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date hereof, the contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

Dike-Wall Roadway 121 Terminal Road, Providence, RI

at _____ 20 _____ From _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	± 32T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

ESMI of N.H.
67 International Drive

Loudon, NH 03307

Ticket No :317258
Date :8/16/17
Phone :(603)783-0228
Fax :(603)783-0104

Customer: NG60
National Grid
40 Sylvan Road

Waltham, MA 02451

Order No : 11202
Dike Wall Roadway
121 Terminal Road
Providence RI

Loads : 96
Miles : 0
Tons : 3231.57

Truck : GOUL12-5 Goulet 12-5
Location: RI RHODE ISLAND

Gross : 73120 lb Scale 1 In 3:52 pm
Tare : 37300 lb STORED Out 3:52 pm

Net : 35820 lb
17.910 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $

Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY-$	MISC-$	TAX-$	TOTAL-$
COAL TAR	17.910 tn					

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates [illegible] established by the carrier and are available to the shipper, on request;

at Dike Wall Roadway 20 From 121 Terminal Road, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Ellis (Attorb			
	17.9 / Tons			
	8/16/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Kevin Bodd Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: LNG Waterline Repair (03.0033554.9)
ESS Laboratory Work Order Number: 1608415

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:54 pm, Aug 26, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

SAMPLE RECEIPT

The following samples were received on August 15, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1608415-01	P-10	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
ESS Laboratory Work Order: 1608415

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

CH61735-BS1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (62% @ 70-130%), Chloromethane (58% @ 70-130%)

CH61735-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (68% @ 70-130%), Chloromethane (61% @ 70-130%)

CZH0322-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Chloromethane (34% @ 30%), Diethyl Ether (32% @ 30%)

8081B Organochlorine Pesticides

CZH0325-CCV3 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
4,4´-DDE (23% @ 20%), 4,4´-DDT [2C] (22% @ 20%), delta-BHC [2C] (24% @ 20%), Methoxychlor [2C] (32% @ 20%)

8151A Chlorinated Herbicides

CZH0313-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-DB [2C] (21% @ 20%)

8270D Semi-Volatile Organic Compounds

CZH0308-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), Benzoic Acid (86% @ 80-120%)

CZH0308-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Di-n-octylphthalate (25% @ 20%), p-Terphenyl-d14 (21% @ 20%), Pyrene (21% @ 20%)

CZH0308-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (26% @ 20%)

CZH0341-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (92% @ 80-120%), Benzoic Acid (86% @ 80-120%)

CZH0341-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (31% @ 20%)

CZH0383-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (74% @ 80-120%), Benzoic Acid (34% @ 80-120%), Di-n-octylphthalate (97% @ 80-120%)

CZH0383-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
N-Nitrosodimethylamine (24% @ 20%), Pyridine (33% @ 20%)

CZH0383-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (26% @ 20%), Benzoic Acid (66% @ 20%), Hexachlorocyclopentadiene (40% @ 20%), Pentachlorophenol (45% @ 20%)

CZH0383-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
Benzoic Acid

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.86** (2.39)		6010C		1	KJK	08/19/16 7:32	2.53	100	CH61632
Barium	**31.2** (2.39)		6010C		1	KJK	08/19/16 7:32	2.53	100	CH61632
Cadmium	ND (0.48)		6010C		1	KJK	08/19/16 7:32	2.53	100	CH61632
Chromium	**9.13** (0.96)		6010C		1	KJK	08/19/16 7:32	2.53	100	CH61632
Lead	**27.4** (4.78)		6010C		1	KJK	08/19/16 7:32	2.53	100	CH61632
Mercury	**0.060** (0.034)		7471B		1	BJV	08/17/16 13:31	0.7	40	CH61633
Selenium	ND (0.48)		6020A		20	NAR	08/19/16 15:17	2.53	100	CH61632
Silver	ND (0.48)		6010C		1	KJK	08/23/16 22:57	2.53	100	CH61632

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	KJK	08/18/16 8:57	50	50	CH61717

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 12.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1,1-Trichloroethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1,2,2-Tetrachloroethane	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1,2-Trichloroethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1-Dichloroethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1-Dichloroethene	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,1-Dichloropropene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2,3-Trichlorobenzene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2,3-Trichloropropane	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2,4-Trichlorobenzene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2,4-Trimethylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2-Dibromo-3-Chloropropane	ND (1.65)	0.330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2-Dibromoethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2-Dichlorobenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2-Dichloroethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,2-Dichloropropane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,3,5-Trimethylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,3-Dichlorobenzene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,3-Dichloropropane	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,4-Dichlorobenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
1,4-Dioxane - Screen	ND (66.0)	62.7	8260B		1	08/17/16 17:55	CZH0322	CH61735
1-Chlorohexane	ND (0.330)	0.132	8260B		1	08/17/16 17:55	CZH0322	CH61735
2,2-Dichloropropane	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
2-Butanone	ND (1.65)	1.12	8260B		1	08/17/16 17:55	CZH0322	CH61735
2-Chlorotoluene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
2-Hexanone	ND (1.65)	0.495	8260B		1	08/17/16 17:55	CZH0322	CH61735
4-Chlorotoluene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
4-Isopropyltoluene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
4-Methyl-2-Pentanone	ND (1.65)	0.528	8260B		1	08/17/16 17:55	CZH0322	CH61735
Acetone	**2.71** (1.65)	0.891	8260B		1	08/17/16 17:55	CZH0322	CH61735
Benzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Bromobenzene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 12.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Bromodichloromethane	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Bromoform	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Bromomethane	ND (0.330)	0.132	8260B		1	08/17/16 17:55	CZH0322	CH61735
Carbon Disulfide	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Carbon Tetrachloride	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Chlorobenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Chloroethane	ND (0.330)	0.132	8260B		1	08/17/16 17:55	CZH0322	CH61735
Chloroform	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Chloromethane	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
cis-1,2-Dichloroethene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
cis-1,3-Dichloropropene	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Dibromochloromethane	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Dibromomethane	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Dichlorodifluoromethane	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Diethyl Ether	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Di-isopropyl ether	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Ethyl tertiary-butyl ether	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Ethylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Hexachlorobutadiene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Isopropylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Methyl tert-Butyl Ether	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
Methylene Chloride	ND (0.660)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Naphthalene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
n-Butylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
n-Propylbenzene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
sec-Butylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Styrene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
tert-Butylbenzene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Tertiary-amyl methyl ether	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Tetrachloroethene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Tetrahydrofuran	ND (1.65)	0.528	8260B		1	08/17/16 17:55	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 12.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
trans-1,2-Dichloroethene	ND (0.330)	0.0990	8260B		1	08/17/16 17:55	CZH0322	CH61735
trans-1,3-Dichloropropene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Trichloroethene	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Trichlorofluoromethane	ND (0.330)	0.132	8260B		1	08/17/16 17:55	CZH0322	CH61735
Vinyl Acetate	ND (0.330)	0.165	8260B		1	08/17/16 17:55	CZH0322	CH61735
Vinyl Chloride	ND (0.330)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Xylene O	ND (0.330)	0.0330	8260B		1	08/17/16 17:55	CZH0322	CH61735
Xylene P,M	ND (0.660)	0.0660	8260B		1	08/17/16 17:55	CZH0322	CH61735
Xylenes (Total)	ND (0.660)		8260B		1	08/17/16 17:55		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 19.2
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/16/16 14:41

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
4,4´-DDE	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
4,4´-DDT	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Aldrin	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
alpha-BHC	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
alpha-Chlordane [2C]	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
beta-BHC	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Chlordane (Total)	ND (0.0378)		8081B		1	08/18/16 7:22	CZH0325	CH61525
delta-BHC	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Dieldrin	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endosulfan I	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endosulfan II	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endosulfan Sulfate	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endrin	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endrin Aldehyde	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Endrin Ketone	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
gamma-BHC (Lindane)	ND (0.0019)		8081B		1	08/18/16 7:22	CZH0325	CH61525
gamma-Chlordane	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Heptachlor	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Heptachlor Epoxide	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Hexachlorobenzene	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Methoxychlor	ND (0.0032)		8081B		1	08/18/16 7:22	CZH0325	CH61525
Toxaphene	ND (0.158)		8081B		1	08/18/16 7:22	CZH0325	CH61525

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*67 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*55 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*63 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 19.9
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 8/16/16 17:35

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1221	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1232	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1242	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1248	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1254	**0.0971** (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1260	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1262	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608
Aroclor 1268	ND (0.0608)		8082A		1	08/17/16 22:45		CH61608

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*57 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*55 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*52 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*61 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 8/16/16 15:36

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (46.3)		8100M		1	08/17/16 3:19	CZH0253	CH61613

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*69 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 10
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/16/16 15:15

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.011)		8151A		1	08/17/16 13:12	CZH0313	CH61547
2,4,5-TP (Silvex)	ND (0.011)		8151A		1	08/17/16 13:12	CZH0313	CH61547
2,4-D	ND (0.228)		8151A		1	08/17/16 13:12	CZH0313	CH61547
2,4-DB	ND (0.230)		8151A		1	08/17/16 13:12	CZH0313	CH61547
Dalapon	ND (0.220)		8151A		1	08/17/16 13:12	CZH0313	CH61547
Dicamba	ND (0.011)		8151A		1	08/17/16 13:12	CZH0313	CH61547
Dichlorprop	ND (0.228)		8151A		1	08/17/16 13:12	CZH0313	CH61547
Dinoseb	ND (0.230)		8151A		1	08/17/16 13:12	CZH0313	CH61547
MCPA	ND (22.5)		8151A		1	08/17/16 13:12	CZH0313	CH61547
MCPP	ND (22.8)		8151A		1	08/17/16 13:12	CZH0313	CH61547

	%Recovery	Qualifier	Limits
Surrogate: DCAA	*72 %*		*30-150*
Surrogate: DCAA [2C]	*70 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
1,2,4-Trichlorobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
1,2-Dichlorobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
1,3-Dichlorobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
1,4-Dichlorobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,3,4,6-Tetrachlorophenol	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4,5-Trichlorophenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4,6-Trichlorophenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4-Dichlorophenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4-Dimethylphenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4-Dinitrophenol	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,4-Dinitrotoluene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2,6-Dinitrotoluene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Chloronaphthalene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Chlorophenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Methylnaphthalene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Methylphenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Nitroaniline	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
2-Nitrophenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
3,3´-Dichlorobenzidine	ND (0.781)		8270D		1	08/19/16 22:41	CZH0383	CH61614
3+4-Methylphenol	ND (0.781)		8270D		1	08/19/16 22:41	CZH0383	CH61614
3-Nitroaniline	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4,6-Dinitro-2-Methylphenol	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Bromophenyl-phenylether	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Chloro-3-Methylphenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Chloroaniline	ND (0.781)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Chloro-phenyl-phenyl ether	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Nitroaniline	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
4-Nitrophenol	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Acenaphthene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Acenaphthylene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Acetophenone	ND (0.781)		8270D		1	08/19/16 22:41	CZH0383	CH61614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.781)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Anthracene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Azobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzo(a)anthracene	**0.456** (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzo(a)pyrene	**0.414** (0.196)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzo(b)fluoranthene	**0.547** (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzo(g,h,i)perylene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzo(k)fluoranthene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzoic Acid	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Benzyl Alcohol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
bis(2-Chloroethoxy)methane	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
bis(2-Chloroethyl)ether	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
bis(2-chloroisopropyl)Ether	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
bis(2-Ethylhexyl)phthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Butylbenzylphthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Carbazole	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Chrysene	**0.401** (0.196)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Dibenzo(a,h)Anthracene	ND (0.196)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Dibenzofuran	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Diethylphthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Dimethylphthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Di-n-butylphthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Di-n-octylphthalate	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Fluoranthene	**0.788** (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Fluorene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Hexachlorobenzene	ND (0.196)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Hexachlorobutadiene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Hexachlorocyclopentadiene	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Hexachloroethane	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Indeno(1,2,3-cd)Pyrene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Isophorone	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Naphthalene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
N-Nitrosodimethylamine	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
N-Nitroso-Di-n-Propylamine	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
N-nitrosodiphenylamine	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Pentachlorophenol	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Phenanthrene	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Phenol	ND (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Pyrene	**0.591** (0.390)		8270D		1	08/19/16 22:41	CZH0383	CH61614
Pyridine	ND (1.96)		8270D		1	08/19/16 22:41	CZH0383	CH61614

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*44 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*55 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*49 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*49 %*		*30-130*
Surrogate: 2-Fluorophenol	*45 %*		*30-130*
Surrogate: Nitrobenzene-d5	*49 %*		*30-130*
Surrogate: Phenol-d6	*49 %*		*30-130*
Surrogate: p-Terphenyl-d14	*54 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**7.48** (N/A)		9045		1	JLK	08/15/16 21:53	S.U.	CH61552
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 24.0 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	MJV	08/16/16 20:14	°F	CH61647
Sulfur, Total, WT PCT	ND (0.10)		§		1	SUB	08/18/16 0:00	§	CH62238
Total Cyanide	ND (1.18)		9014		1	EEM	08/16/16 12:00	mg/kg dry	CH61628

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
Client Sample ID: P-10
Date Sampled: 08/15/16 11:04
Percent Solids: 83
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1608415
ESS Laboratory Sample ID: 1608415-01
Sample Matrix: Soil
Units: °C
Analyst: LAB
Prepared: 8/16/16 16:59

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**22.1** (N/A)		1311		1	LAB	08/17/16 9:21	CH61651
Temperature (Max C)	**23.6** (N/A)		1311		1	LAB	08/17/16 9:21	CH61651
Temperature (Range)	**Temperature is within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CH61632 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	146	9.26	mg/kg wet	161.0		91	80-120			
Barium	395	9.26	mg/kg wet	351.0		113	80-120			
Cadmium	182	1.85	mg/kg wet	190.0		96	80-120			
Chromium	87.2	3.70	mg/kg wet	87.90		99	80-120			
Lead	142	18.5	mg/kg wet	138.0		103	80-120			
Selenium	310	23.1	mg/kg wet	305.0		102	80-120			
Silver	59.5	1.85	mg/kg wet	58.00		103	80-120			
LCS Dup										
Arsenic	154	9.62	mg/kg wet	161.0		96	80-120	5	20	
Barium	380	9.62	mg/kg wet	351.0		108	80-120	4	20	
Cadmium	183	1.92	mg/kg wet	190.0		96	80-120	0.7	20	
Chromium	83.6	3.85	mg/kg wet	87.90		95	80-120	4	20	
Lead	137	19.2	mg/kg wet	138.0		100	80-120	3	20	
Selenium	327	24.0	mg/kg wet	305.0		107	80-120	5	30	
Silver	56.2	1.92	mg/kg wet	58.00		97	80-120	6	20	
Batch CH61633 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.37	1.83	mg/kg wet	9.700		97	80-120			
LCS Dup										
Mercury	9.78	1.98	mg/kg wet	9.700		101	80-120	4	20	
1311 TCLP Metals										
Batch CH61717 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.497	0.050	mg/L	0.5000		99	80-120			
LCS Dup										
Lead	0.487	0.050	mg/L	0.5000		97	80-120	2	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.13*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.96*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.20*		mg/kg wet	*5.000*		*104*	*70-130*			
Surrogate: Toluene-d8	*4.89*		mg/kg wet	*5.000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1,1-Trichloroethane	1.93	0.200	mg/kg wet	2.000		97	70-130			
1,1,2,2-Tetrachloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,1,2-Trichloroethane	1.59	0.200	mg/kg wet	2.000		80	70-130			
1,1-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130			
1,1-Dichloroethene	1.70	0.200	mg/kg wet	2.000		85	70-130			
1,1-Dichloropropene	1.84	0.200	mg/kg wet	2.000		92	70-130			
1,2,3-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2,3-Trichloropropane	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2,4-Trichlorobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,2,4-Trimethylbenzene	1.83	0.200	mg/kg wet	2.000		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
1,2-Dibromo-3-Chloropropane	1.87	1.00	mg/kg wet	2.000		94	70-130			
1,2-Dibromoethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2-Dichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichloroethane	1.89	0.200	mg/kg wet	2.000		95	70-130			
1,2-Dichloropropane	1.80	0.200	mg/kg wet	2.000		90	70-130			
1,3,5-Trimethylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,3-Dichlorobenzene	2.07	0.200	mg/kg wet	2.000		104	70-130			
1,3-Dichloropropane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,4-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,4-Dioxane - Screen	65.4	40.0	mg/kg wet	40.00		163	44-241			
1-Chlorohexane	1.83	0.200	mg/kg wet	2.000		92	70-130			
2,2-Dichloropropane	1.79	0.200	mg/kg wet	2.000		89	70-130			
2-Butanone	9.31	1.00	mg/kg wet	10.00		93	70-130			
2-Chlorotoluene	2.02	0.200	mg/kg wet	2.000		101	70-130			
2-Hexanone	9.13	1.00	mg/kg wet	10.00		91	70-130			
4-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	2.06	0.200	mg/kg wet	2.000		103	70-130			
4-Methyl-2-Pentanone	8.92	1.00	mg/kg wet	10.00		89	70-130			
Acetone	9.12	1.00	mg/kg wet	10.00		91	70-130			
Benzene	1.79	0.200	mg/kg wet	2.000		90	70-130			
Bromobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
Bromochloromethane	1.90	0.200	mg/kg wet	2.000		95	70-130			
Bromodichloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
Bromoform	2.27	0.200	mg/kg wet	2.000		113	70-130			
Bromomethane	2.24	0.200	mg/kg wet	2.000		112	70-130			
Carbon Disulfide	1.89	0.200	mg/kg wet	2.000		95	70-130			
Carbon Tetrachloride	2.11	0.200	mg/kg wet	2.000		105	70-130			
Chlorobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Chloroethane	1.25	0.200	mg/kg wet	2.000		62	70-130			B-
Chloroform	1.73	0.200	mg/kg wet	2.000		86	70-130			
Chloromethane	1.15	0.200	mg/kg wet	2.000		58	70-130			B-
cis-1,2-Dichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130			
cis-1,3-Dichloropropene	1.81	0.200	mg/kg wet	2.000		90	70-130			
Dibromochloromethane	1.87	0.200	mg/kg wet	2.000		94	70-130			
Dibromomethane	1.85	0.200	mg/kg wet	2.000		93	70-130			
Dichlorodifluoromethane	1.67	0.200	mg/kg wet	2.000		84	70-130			
Diethyl Ether	1.43	0.200	mg/kg wet	2.000		72	70-130			
Di-isopropyl ether	1.67	0.200	mg/kg wet	2.000		84	70-130			
Ethyl tertiary-butyl ether	1.78	0.200	mg/kg wet	2.000		89	70-130			
Ethylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130			
Hexachlorobutadiene	1.92	0.200	mg/kg wet	2.000		96	70-130			
Isopropylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Methyl tert-Butyl Ether	1.79	0.200	mg/kg wet	2.000		89	70-130			
Methylene Chloride	1.75	0.400	mg/kg wet	2.000		88	70-130			
Naphthalene	1.93	0.200	mg/kg wet	2.000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
n-Butylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
n-Propylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Styrene	1.86	0.200	mg/kg wet	2.000		93	70-130			
tert-Butylbenzene	2.11	0.200	mg/kg wet	2.000		106	70-130			
Tertiary-amyl methyl ether	1.85	0.200	mg/kg wet	2.000		92	70-130			
Tetrachloroethene	1.57	0.200	mg/kg wet	2.000		78	70-130			
Tetrahydrofuran	1.77	1.00	mg/kg wet	2.000		89	70-130			
Toluene	1.81	0.200	mg/kg wet	2.000		91	70-130			
trans-1,2-Dichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130			
trans-1,3-Dichloropropene	1.73	0.200	mg/kg wet	2.000		87	70-130			
Trichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130			
Vinyl Acetate	1.77	0.200	mg/kg wet	2.000		89	70-130			
Vinyl Chloride	1.53	0.200	mg/kg wet	2.000		76	70-130			
Xylene O	1.95	0.200	mg/kg wet	2.000		98	70-130			
Xylene P,M	4.09	0.400	mg/kg wet	4.000		102	70-130			
Xylenes (Total)	6.04	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.82*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.85*		mg/kg wet	*5.000*		*97*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	2.06	0.200	mg/kg wet	2.000		103	70-130	4	25	
1,1,1-Trichloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130	1	25	
1,1,2,2-Tetrachloroethane	1.75	0.200	mg/kg wet	2.000		88	70-130	4	25	
1,1,2-Trichloroethane	1.73	0.200	mg/kg wet	2.000		87	70-130	8	25	
1,1-Dichloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130	7	25	
1,1-Dichloroethene	1.87	0.200	mg/kg wet	2.000		93	70-130	10	25	
1,1-Dichloropropene	1.85	0.200	mg/kg wet	2.000		92	70-130	0.4	25	
1,2,3-Trichlorobenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	8	25	
1,2,3-Trichloropropane	1.91	0.200	mg/kg wet	2.000		95	70-130	2	25	
1,2,4-Trichlorobenzene	1.85	0.200	mg/kg wet	2.000		92	70-130	2	25	
1,2,4-Trimethylbenzene	1.87	0.200	mg/kg wet	2.000		94	70-130	3	25	
1,2-Dibromo-3-Chloropropane	1.80	1.00	mg/kg wet	2.000		90	70-130	4	25	
1,2-Dibromoethane	1.95	0.200	mg/kg wet	2.000		98	70-130	5	25	
1,2-Dichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	0.5	25	
1,2-Dichloroethane	1.93	0.200	mg/kg wet	2.000		96	70-130	2	25	
1,2-Dichloropropane	1.91	0.200	mg/kg wet	2.000		96	70-130	6	25	
1,3,5-Trimethylbenzene	1.89	0.200	mg/kg wet	2.000		94	70-130	3	25	
1,3-Dichlorobenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
1,3-Dichloropropane	1.94	0.200	mg/kg wet	2.000		97	70-130	3	25	
1,4-Dichlorobenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	5	25	
1,4-Dioxane - Screen	44.0	40.0	mg/kg wet	40.00		110	44-241	39	200	
1-Chlorohexane	1.93	0.200	mg/kg wet	2.000		96	70-130	5	25	
2,2-Dichloropropane	1.78	0.200	mg/kg wet	2.000		89	70-130	0.1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CH61735 - 5035										
2-Butanone	9.30	1.00	mg/kg wet	10.00		93	70-130	0.2	25	
2-Chlorotoluene	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
2-Hexanone	9.38	1.00	mg/kg wet	10.00		94	70-130	3	25	
4-Chlorotoluene	1.95	0.200	mg/kg wet	2.000		98	70-130	0.8	25	
4-Isopropyltoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
4-Methyl-2-Pentanone	8.30	1.00	mg/kg wet	10.00		83	70-130	7	25	
Acetone	8.64	1.00	mg/kg wet	10.00		86	70-130	5	25	
Benzene	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
Bromobenzene	2.05	0.200	mg/kg wet	2.000		103	70-130	4	25	
Bromochloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130	4	25	
Bromodichloromethane	2.07	0.200	mg/kg wet	2.000		104	70-130	8	25	
Bromoform	2.32	0.200	mg/kg wet	2.000		116	70-130	2	25	
Bromomethane	2.57	0.200	mg/kg wet	2.000		128	70-130	13	25	
Carbon Disulfide	2.00	0.200	mg/kg wet	2.000		100	70-130	6	25	
Carbon Tetrachloride	2.14	0.200	mg/kg wet	2.000		107	70-130	1	25	
Chlorobenzene	2.05	0.200	mg/kg wet	2.000		102	70-130	1	25	
Chloroethane	1.36	0.200	mg/kg wet	2.000		68	70-130	8	25	B-
Chloroform	1.83	0.200	mg/kg wet	2.000		92	70-130	6	25	
Chloromethane	1.22	0.200	mg/kg wet	2.000		61	70-130	6	25	B-
cis-1,2-Dichloroethene	1.72	0.200	mg/kg wet	2.000		86	70-130	3	25	
cis-1,3-Dichloropropene	1.92	0.200	mg/kg wet	2.000		96	70-130	6	25	
Dibromochloromethane	2.00	0.200	mg/kg wet	2.000		100	70-130	7	25	
Dibromomethane	1.83	0.200	mg/kg wet	2.000		92	70-130	1	25	
Dichlorodifluoromethane	1.72	0.200	mg/kg wet	2.000		86	70-130	3	25	
Diethyl Ether	1.39	0.200	mg/kg wet	2.000		70	70-130	3	25	
Di-isopropyl ether	1.81	0.200	mg/kg wet	2.000		90	70-130	8	25	
Ethyl tertiary-butyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130	3	25	
Ethylbenzene	1.87	0.200	mg/kg wet	2.000		93	70-130	0.9	25	
Hexachlorobutadiene	1.67	0.200	mg/kg wet	2.000		84	70-130	14	25	
Isopropylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	1	25	
Methyl tert-Butyl Ether	1.82	0.200	mg/kg wet	2.000		91	70-130	2	25	
Methylene Chloride	1.82	0.400	mg/kg wet	2.000		91	70-130	4	25	
Naphthalene	1.75	0.200	mg/kg wet	2.000		88	70-130	10	25	
n-Butylbenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
n-Propylbenzene	1.91	0.200	mg/kg wet	2.000		96	70-130	4	25	
sec-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	4	25	
Styrene	1.98	0.200	mg/kg wet	2.000		99	70-130	6	25	
tert-Butylbenzene	2.05	0.200	mg/kg wet	2.000		103	70-130	3	25	
Tertiary-amyl methyl ether	1.86	0.200	mg/kg wet	2.000		93	70-130	0.6	25	
Tetrachloroethene	1.52	0.200	mg/kg wet	2.000		76	70-130	3	25	
Tetrahydrofuran	2.01	1.00	mg/kg wet	2.000		100	70-130	12	25	
Toluene	1.79	0.200	mg/kg wet	2.000		90	70-130	1	25	
trans-1,2-Dichloroethene	1.86	0.200	mg/kg wet	2.000		93	70-130	8	25	
trans-1,3-Dichloropropene	1.82	0.200	mg/kg wet	2.000		91	70-130	5	25	
Trichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Vinyl Acetate	1.74	0.200	mg/kg wet	2.000		87	70-130	2	25	
Vinyl Chloride	1.71	0.200	mg/kg wet	2.000		85	70-130	11	25	
Xylene O	2.09	0.200	mg/kg wet	2.000		104	70-130	7	25	
Xylene P,M	4.24	0.400	mg/kg wet	4.000		106	70-130	4	25	
Xylenes (Total)	6.33	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.85*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.98*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.08*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.78*		mg/kg wet	*5.000*		*96*	*70-130*			
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0151*		mg/kg wet	*0.01250*		*121*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0151*		mg/kg wet	*0.01250*		*121*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0141*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0133*		mg/kg wet	*0.01250*		*106*	*30-150*			
LCS										
4,4´-DDD	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
4,4´-DDD [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
4,4´-DDE	0.0118	0.0025	mg/kg wet	0.01250		95	40-140			
4,4´-DDE [2C]	0.0133	0.0025	mg/kg wet	0.01250		106	40-140			
4,4´-DDT	0.0130	0.0025	mg/kg wet	0.01250		104	40-140			
4,4´-DDT [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Aldrin	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
Aldrin [2C]	0.0124	0.0025	mg/kg wet	0.01250		99	40-140			
alpha-BHC	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-BHC [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-Chlordane	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-Chlordane [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140			
beta-BHC	0.0123	0.0025	mg/kg wet	0.01250		98	40-140			
beta-BHC [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
delta-BHC	0.0104	0.0025	mg/kg wet	0.01250		83	40-140			
delta-BHC [2C]	0.0103	0.0025	mg/kg wet	0.01250		83	40-140			
Dieldrin	0.0134	0.0025	mg/kg wet	0.01250		107	40-140			
Dieldrin [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			
Endosulfan I	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Endosulfan I [2C]	0.0128	0.0025	mg/kg wet	0.01250		102	40-140			
Endosulfan II	0.0124	0.0025	mg/kg wet	0.01250		99	40-140			
Endosulfan II [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Endosulfan Sulfate	0.0128	0.0025	mg/kg wet	0.01250		102	40-140			
Endosulfan Sulfate [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Endrin	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

8081B Organochlorine Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CH61525 - 3546										
Endrin [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
Endrin Aldehyde	0.0124	0.0025	mg/kg wet	0.01250		100	40-140			
Endrin Aldehyde [2C]	0.0132	0.0025	mg/kg wet	0.01250		105	40-140			
Endrin Ketone	0.0135	0.0025	mg/kg wet	0.01250		108	40-140			
Endrin Ketone [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140			
gamma-BHC (Lindane)	0.0119	0.0015	mg/kg wet	0.01250		95	40-140			
gamma-BHC (Lindane) [2C]	0.0118	0.0015	mg/kg wet	0.01250		94	40-140			
gamma-Chlordane	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
gamma-Chlordane [2C]	0.0121	0.0025	mg/kg wet	0.01250		96	40-140			
Heptachlor	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Heptachlor [2C]	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Heptachlor Epoxide	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			
Heptachlor Epoxide [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Hexachlorobenzene	0.0134	0.0025	mg/kg wet	0.01250		108	40-140			
Hexachlorobenzene [2C]	0.0132	0.0025	mg/kg wet	0.01250		105	40-140			
Methoxychlor	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Methoxychlor [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Surrogate: Decachlorobiphenyl	*0.0138*		mg/kg wet	*0.01250*		*111*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0137*		mg/kg wet	*0.01250*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0132*		mg/kg wet	*0.01250*		*106*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0123*		mg/kg wet	*0.01250*		*98*	*30-150*			
LCS Dup										
4,4´-DDD	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
4,4´-DDD [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
4,4´-DDE	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	6	30	
4,4´-DDE [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	3	30	
4,4´-DDT	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	5	30	
4,4´-DDT [2C]	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	10	30	
Aldrin	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	5	30	
Aldrin [2C]	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	5	30	
alpha-BHC	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
alpha-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
alpha-Chlordane	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	6	30	
alpha-Chlordane [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	1	30	
beta-BHC	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	3	30	
beta-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
delta-BHC	0.0107	0.0025	mg/kg wet	0.01250		86	40-140	3	30	
delta-BHC [2C]	0.0108	0.0025	mg/kg wet	0.01250		87	40-140	5	30	
Dieldrin	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	5	30	
Dieldrin [2C]	0.0133	0.0025	mg/kg wet	0.01250		107	40-140	4	30	
Endosulfan I	0.0132	0.0025	mg/kg wet	0.01250		105	40-140	5	30	
Endosulfan I [2C]	0.0124	0.0025	mg/kg wet	0.01250		100	40-140	3	30	
Endosulfan II	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	4	30	
Endosulfan II [2C]	0.0124	0.0025	mg/kg wet	0.01250		99	40-140	7	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
Endosulfan Sulfate	0.0133	0.0025	mg/kg wet	0.01250		106	40-140	4	30	
Endosulfan Sulfate [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	4	30	
Endrin	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	6	30	
Endrin [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	5	30	
Endrin Aldehyde	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	4	30	
Endrin Aldehyde [2C]	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	7	30	
Endrin Ketone	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	3	30	
Endrin Ketone [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	3	30	
gamma-BHC (Lindane)	0.0125	0.0015	mg/kg wet	0.01250		100	40-140	5	30	
gamma-BHC (Lindane) [2C]	0.0124	0.0015	mg/kg wet	0.01250		99	40-140	5	30	
gamma-Chlordane	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	8	30	
gamma-Chlordane [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	3	30	
Heptachlor	0.0121	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
Heptachlor [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
Heptachlor Epoxide	0.0137	0.0025	mg/kg wet	0.01250		110	40-140	6	30	
Heptachlor Epoxide [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	5	30	
Hexachlorobenzene	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	5	30	
Hexachlorobenzene [2C]	0.0138	0.0025	mg/kg wet	0.01250		111	40-140	5	30	
Methoxychlor	0.0132	0.0025	mg/kg wet	0.01250		106	40-140	5	30	
Methoxychlor [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	3	30	
Surrogate: Decachlorobiphenyl	*0.0142*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0141*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0138*		mg/kg wet	*0.01250*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0127*		mg/kg wet	*0.01250*		*102*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61608 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0187*		mg/kg wet	*0.02500*		*75*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0197*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0168*		mg/kg wet	*0.02500*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0182*		mg/kg wet	*0.02500*		*73*	*30-150*			
LCS										
Aroclor 1016	0.413	0.0500	mg/kg wet	0.5000		83	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61608 - 3540C										
Aroclor 1260	0.413	0.0500	mg/kg wet	0.5000		83	40-140			
Surrogate: Decachlorobiphenyl	*0.0197*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0211*		mg/kg wet	*0.02500*		*84*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0186*		mg/kg wet	*0.02500*		*75*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0191*		mg/kg wet	*0.02500*		*77*	*30-150*			
LCS Dup										
Aroclor 1016	0.404	0.0500	mg/kg wet	0.5000		81	40-140	2	30	
Aroclor 1260	0.404	0.0500	mg/kg wet	0.5000		81	40-140	2	30	
Surrogate: Decachlorobiphenyl	*0.0189*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0202*		mg/kg wet	*0.02500*		*81*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0178*		mg/kg wet	*0.02500*		*71*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0182*		mg/kg wet	*0.02500*		*73*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CH61613 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.55*		mg/kg wet	*5.000*		*91*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		69	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		67	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonane (C9)	1.4	0.2	mg/kg wet	2.500		58	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		82	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CH61613 - 3546										
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Total Petroleum Hydrocarbons	28.7	37.5	mg/kg wet	35.00		82	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140	10	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.8	25	
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		68	40-140	0.4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		86	40-140	1	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		86	40-140	2	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		88	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140	12	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140	4	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140	1	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	5	25	
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140	0.6	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Surrogate: O-Terphenyl	*4.38*		mg/kg wet	*5.000*		*88*	*40-140*			
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*14.5*		mg/kg wet	*20.00*		*73*	*30-150*			
Surrogate: DCAA [2C]	*14.9*		mg/kg wet	*20.00*		*74*	*30-150*			
LCS										
2,4,5-T	0.013	0.010	mg/kg wet	0.01900		70	40-140			
2,4,5-T [2C]	0.015	0.010	mg/kg wet	0.01900		78	40-140			
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		76	40-140			
2,4,5-TP (Silvex) [2C]	0.014	0.010	mg/kg wet	0.01900		74	40-140			
2,4-D	0.164	0.188	mg/kg wet	0.1880		87	40-140			
2,4-D [2C]	0.163	0.188	mg/kg wet	0.1880		87	40-140			
2,4-DB	0.153	0.190	mg/kg wet	0.1900		80	40-140			
2,4-DB [2C]	0.157	0.190	mg/kg wet	0.1900		83	40-140			
Dalapon	0.213	0.182	mg/kg wet	0.4550		47	40-140			
Dalapon [2C]	0.258	0.182	mg/kg wet	0.4550		57	40-140			
Dicamba	0.012	0.009	mg/kg wet	0.01880		66	40-140			
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		74	40-140			
Dichlorprop	0.148	0.188	mg/kg wet	0.1880		79	40-140			
Dichlorprop [2C]	0.151	0.188	mg/kg wet	0.1880		80	40-140			
Dinoseb	0.014	0.190	mg/kg wet	0.09500		15	10-100			
Dinoseb [2C]	0.015	0.190	mg/kg wet	0.09500		16	10-100			
MCPA	14.2	18.6	mg/kg wet	18.60		76	40-140			
MCPA [2C]	14.4	18.6	mg/kg wet	18.60		77	40-140			
MCPP	13.6	18.8	mg/kg wet	18.80		72	40-140			
MCPP [2C]	15.5	18.8	mg/kg wet	18.80		82	40-140			
Surrogate: DCAA	*16.1*		mg/kg wet	*20.00*		*80*	*30-150*			
Surrogate: DCAA [2C]	*17.2*		mg/kg wet	*20.00*		*86*	*30-150*			
LCS Dup										
2,4,5-T	0.012	0.010	mg/kg wet	0.01900		64	40-140	9	30	
2,4,5-T [2C]	0.013	0.010	mg/kg wet	0.01900		66	40-140	17	30	
2,4,5-TP (Silvex)	0.013	0.010	mg/kg wet	0.01900		66	40-140	14	30	
2,4,5-TP (Silvex) [2C]	0.012	0.010	mg/kg wet	0.01900		62	40-140	18	30	
2,4-D	0.147	0.188	mg/kg wet	0.1880		78	40-140	11	30	
2,4-D [2C]	0.147	0.188	mg/kg wet	0.1880		78	40-140	11	30	
2,4-DB	0.128	0.190	mg/kg wet	0.1900		68	40-140	17	30	
2,4-DB [2C]	0.139	0.190	mg/kg wet	0.1900		73	40-140	13	30	
Dalapon	0.183	0.182	mg/kg wet	0.4550		40	40-140	15	30	
Dalapon [2C]	0.226	0.182	mg/kg wet	0.4550		50	40-140	13	30	
Dicamba	0.013	0.009	mg/kg wet	0.01880		68	40-140	3	30	
Dicamba [2C]	0.012	0.009	mg/kg wet	0.01880		62	40-140	18	30	
Dichlorprop	0.129	0.188	mg/kg wet	0.1880		69	40-140	14	30	
Dichlorprop [2C]	0.140	0.188	mg/kg wet	0.1880		74	40-140	8	30	
Dinoseb	0.011	0.190	mg/kg wet	0.09500		12	10-100	27	30	
Dinoseb [2C]	0.013	0.190	mg/kg wet	0.09500		14	10-100	14	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
MCPA	13.0	18.6	mg/kg wet	18.60		70	40-140	8	30	
MCPA [2C]	12.7	18.6	mg/kg wet	18.60		68	40-140	13	30	
MCPP	12.1	18.8	mg/kg wet	18.80		64	40-140	12	30	
MCPP [2C]	13.1	18.8	mg/kg wet	18.80		70	40-140	17	30	
Surrogate: DCAA	*13.6*		mg/kg wet	*20.00*		*68*	*30-150*			
Surrogate: DCAA [2C]	*14.2*		mg/kg wet	*20.00*		*71*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.44*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.18*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.56*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*4.33*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.87*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Phenol-d6	*4.52*		mg/kg wet	*5.000*		*90*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Surrogate: p-Terphenyl-d14	*2.81*		mg/kg wet	*3.333*		*84*	*30-130*			
LCS										
1,1-Biphenyl	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,2,4-Trichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,3-Dichlorobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140			
1,4-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140			
2,3,4,6-Tetrachlorophenol	2.30	1.67	mg/kg wet	3.333		69	30-130			
2,4,5-Trichlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130			
2,4,6-Trichlorophenol	2.73	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dimethylphenol	2.75	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.64	0.333	mg/kg wet	3.333		79	40-140			
2,6-Dinitrotoluene	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.27	0.333	mg/kg wet	3.333		68	40-140			
2-Chlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2-Methylnaphthalene	2.38	0.333	mg/kg wet	3.333		72	40-140			
2-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
2-Nitroaniline	2.46	0.333	mg/kg wet	3.333		74	40-140			
2-Nitrophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
3,3´-Dichlorobenzidine	2.81	0.667	mg/kg wet	3.333		84	40-140			
3+4-Methylphenol	5.25	0.667	mg/kg wet	6.667		79	30-130			
3-Nitroaniline	2.41	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.60	1.67	mg/kg wet	3.333		78	30-130			
4-Bromophenyl-phenylether	2.77	0.333	mg/kg wet	3.333		83	40-140			
4-Chloro-3-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
4-Chloroaniline	2.14	0.667	mg/kg wet	3.333		64	40-140			
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Nitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Acetophenone	2.54	0.667	mg/kg wet	3.333		76	40-140			
Aniline	1.85	0.667	mg/kg wet	3.333		56	40-140			
Anthracene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Azobenzene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Benzo(k)fluoranthene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzoic Acid	2.26	1.67	mg/kg wet	3.333		68	40-140			
Benzyl Alcohol	2.29	0.333	mg/kg wet	3.333		69	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
bis(2-Chloroethoxy)methane	2.58	0.333	mg/kg wet	3.333		77	40-140			
bis(2-Chloroethyl)ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
bis(2-chloroisopropyl)Ether	2.51	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Ethylhexyl)phthalate	3.07	0.333	mg/kg wet	3.333		92	40-140			
Butylbenzylphthalate	2.96	0.333	mg/kg wet	3.333		89	40-140			
Carbazole	2.58	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.53	0.167	mg/kg wet	3.333		76	40-140			
Dibenzo(a,h)Anthracene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Dibenzofuran	2.36	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Di-n-butylphthalate	3.26	0.333	mg/kg wet	3.333		98	40-140			
Di-n-octylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140			
Fluoranthene	2.63	0.333	mg/kg wet	3.333		79	40-140			
Fluorene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorobenzene	2.53	0.167	mg/kg wet	3.333		76	40-140			
Hexachlorobutadiene	2.37	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorocyclopentadiene	1.79	1.67	mg/kg wet	3.333		54	40-140			
Hexachloroethane	2.39	0.333	mg/kg wet	3.333		72	40-140			
Indeno(1,2,3-cd)Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Isophorone	2.51	0.333	mg/kg wet	3.333		75	40-140			
Naphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Nitrobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140			
N-Nitrosodimethylamine	2.37	0.333	mg/kg wet	3.333		71	40-140			
N-Nitroso-Di-n-Propylamine	2.74	0.333	mg/kg wet	3.333		82	40-140			
N-nitrosodiphenylamine	2.80	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Phenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Pyridine	1.97	1.67	mg/kg wet	3.333		59	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.36*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.97*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.96*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*4.13*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.06*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.32	0.333	mg/kg wet	3.333		69	40-140	5	30	
1,2,4-Trichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
1,2-Dichlorobenzene	2.25	0.333	mg/kg wet	3.333		67	40-140	8	30	
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	9	30	
1,4-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	9	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
2,3,4,6-Tetrachlorophenol	2.28	1.67	mg/kg wet	3.333		68	30-130	1	30	
2,4,5-Trichlorophenol	2.67	0.333	mg/kg wet	3.333		80	30-130	4	30	
2,4,6-Trichlorophenol	2.56	0.333	mg/kg wet	3.333		77	30-130	6	30	
2,4-Dichlorophenol	2.38	0.333	mg/kg wet	3.333		71	30-130	8	30	
2,4-Dimethylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130	7	30	
2,4-Dinitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	6	30	
2,4-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140	2	30	
2,6-Dinitrotoluene	2.44	0.333	mg/kg wet	3.333		73	40-140	3	30	
2-Chloronaphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140	6	30	
2-Chlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	7	30	
2-Methylnaphthalene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
2-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	7	30	
2-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140	2	30	
2-Nitrophenol	2.47	0.333	mg/kg wet	3.333		74	30-130	8	30	
3,3´-Dichlorobenzidine	2.93	0.667	mg/kg wet	3.333		88	40-140	4	30	
3+4-Methylphenol	4.84	0.667	mg/kg wet	6.667		73	30-130	8	30	
3-Nitroaniline	2.45	0.333	mg/kg wet	3.333		73	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.67	1.67	mg/kg wet	3.333		80	30-130	3	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	5	30	
4-Chloro-3-Methylphenol	2.38	0.333	mg/kg wet	3.333		71	30-130	7	30	
4-Chloroaniline	2.08	0.667	mg/kg wet	3.333		63	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.50	0.333	mg/kg wet	3.333		75	40-140	5	30	
4-Nitroaniline	2.76	0.333	mg/kg wet	3.333		83	40-140	6	30	
4-Nitrophenol	2.67	1.67	mg/kg wet	3.333		80	30-130	7	30	
Acenaphthene	2.34	0.333	mg/kg wet	3.333		70	40-140	5	30	
Acenaphthylene	2.29	0.333	mg/kg wet	3.333		69	40-140	6	30	
Acetophenone	2.36	0.667	mg/kg wet	3.333		71	40-140	7	30	
Aniline	1.74	0.667	mg/kg wet	3.333		52	40-140	6	30	
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140	1	30	
Azobenzene	2.79	0.333	mg/kg wet	3.333		84	40-140	7	30	
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140	0.2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	0.5	30	
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	1	30	
Benzo(g,h,i)perylene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.3	30	
Benzo(k)fluoranthene	2.86	0.333	mg/kg wet	3.333		86	40-140	0.8	30	
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140	4	30	
Benzyl Alcohol	2.28	0.333	mg/kg wet	3.333		68	40-140	0.6	30	
bis(2-Chloroethoxy)methane	2.39	0.333	mg/kg wet	3.333		72	40-140	8	30	
bis(2-Chloroethyl)ether	2.44	0.333	mg/kg wet	3.333		73	40-140	7	30	
bis(2-chloroisopropyl)Ether	2.37	0.333	mg/kg wet	3.333		71	40-140	5	30	
bis(2-Ethylhexyl)phthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Butylbenzylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140	1	30	
Carbazole	2.74	0.333	mg/kg wet	3.333		82	40-140	6	30	
Chrysene	2.51	0.167	mg/kg wet	3.333		75	40-140	1	30	
Dibenzo(a,h)Anthracene	2.93	0.167	mg/kg wet	3.333		88	40-140	0.2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Dibenzofuran	2.29	0.333	mg/kg wet	3.333		69	40-140	3	30	
Diethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140	0.8	30	
Dimethylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	4	30	
Di-n-butylphthalate	3.36	0.333	mg/kg wet	3.333		101	40-140	3	30	
Di-n-octylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	0.2	30	
Fluoranthene	2.84	0.333	mg/kg wet	3.333		85	40-140	8	30	
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140	4	30	
Hexachlorobenzene	2.46	0.167	mg/kg wet	3.333		74	40-140	3	30	
Hexachlorobutadiene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
Hexachlorocyclopentadiene	1.66	1.67	mg/kg wet	3.333		50	40-140	8	30	
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140	0.02	30	
Isophorone	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	7	30	
Nitrobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140	8	30	
N-Nitrosodimethylamine	2.15	0.333	mg/kg wet	3.333		65	40-140	10	30	
N-Nitroso-Di-n-Propylamine	2.53	0.333	mg/kg wet	3.333		76	40-140	8	30	
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140	3	30	
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130	0.2	30	
Phenanthrene	2.59	0.333	mg/kg wet	3.333		78	40-140	0.8	30	
Phenol	2.43	0.333	mg/kg wet	3.333		73	30-130	7	30	
Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Pyridine	1.80	1.67	mg/kg wet	3.333		54	40-140	9	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.11*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.55*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.32*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: Phenol-d6	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.86*		mg/kg wet	*3.333*		*86*	*30-130*			
Classical Chemistry										
Batch CH61628 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.17	1.00	mg/kg wet	5.015		103	90-110			
Reference										
Total Cyanide	50.0	4.87	mg/kg wet	48.40		103	36.1577-206.612			
Reference										
Total Cyanide	51.0	4.91	mg/kg wet	48.40		105	36.1577-206.612			
Batch CH61647 - General Preparation										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CH61647 - General Preparation										
Reference										
Flashpoint	81		°F	81.00		100	97.9-102.1			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair
ESS Laboratory Work Order: 1608415

Notes and Definitions

Z17	Temperature is within 23 +/-2 ºC.
Z-10	Soil pH measured in water at 24.0 ºC.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: LNG Waterline Repair

ESS Laboratory Work Order: 1608415

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GM002103.D
Data File Path Q:\SVOA\GC11_GM\DATA\GM0816\081816\
Date Acquired 8-18-2016 05:18:38 PM

Sample Name **CZH0337-PEM2**
Instrument Name SVOAGC11

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	6.46	7.47	459183189.6	413238394
13)	4,4'-DDE	12.45	14.20	1979814.034	1515314.667
16)	Endrin	13.60	15.30	660788214.7	642797117.6
17)	4,4'-DDD	13.76	15.48	74457588	78958221.83
19)	4,4'-DDT	14.36	16.20	490933363.2	559821123.3
20)	Endrin Aldehyde	15.00	16.59	5096810.144	5430394.338
23)	Endrin Ketone	16.62	18.92	27915212.29	29492953.85
29)	Decachlorobiphenyl	19.48	24.16	293727193.3	327790739

Breakdown Column 1	**Endrin:**	**4.76 %**
	4,4'-DDT:	**13.47 %**
	Total:	**18.23 %**
Breakdown Column 2	**Endrin:**	**5.15 %**
	4,4'-DDT:	**12.57 %**
	Total:	**17.72 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GM002126.D
Data File Path Q:\SVOA\GC11_GM\DATA\GM0816\081816\
Date Acquired 8-19-2016 04:18:34 AM

Sample Name **CZH0337-PEM3**
Instrument Name SVOAGC11

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	6.47	7.47	490680616	442492376.4
13)	4,4'-DDE	12.45	14.20	2317032	1916224.109
16)	Endrin	13.60	15.30	706444145.8	678898368.6
17)	4,4'-DDD	13.76	15.48	69746998.17	64322678.8
19)	4,4'-DDT	14.36	16.20	511530013.1	573459292
20)	Endrin Aldehyde	15.00	16.58	5116556.383	3410564.361
23)	Endrin Ketone	16.62	18.92	24673608	24230295.63
29)	Decachlorobiphenyl	19.48	24.16	294338774	323983300

Breakdown Column 1	**Endrin:**	**4.05 %**
	4,4'-DDT:	**12.35 %**
	Total:	**16.39 %**
Breakdown Column 2	**Endrin:**	**3.91 %**
	4,4'-DDT:	**10.35 %**
	Total:	**14.27 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GM002135.D
Data File Path Q:\SVOA\GC11_GM\DATA\GM0816\081816\
Date Acquired 8-19-2016 02:53:07 PM

Sample Name **CZH0337-PEM4**
Instrument Name SVOAGC11

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	6.46	7.47	361958443.2	331594494.4
13)	4,4'-DDE	12.45	14.20	1711830.652	1249022.979
16)	Endrin	13.59	15.30	519599149.1	503967509.6
17)	4,4'-DDD	13.75	15.48	53467052.02	57195399.68
19)	4,4'-DDT	14.35	16.20	363232407.3	416165156.4
20)	Endrin Aldehyde	15.00	16.58	1803573.34	2229674.925
23)	Endrin Ketone	16.61	18.92	18311400.04	17131837.51
29)	Decachlorobiphenyl	19.48	24.15	225948766.3	251506898

Breakdown Column 1	**Endrin:**	**3.73 %**
	4,4'-DDT:	**13.19 %**
	Total:	**16.91 %**
Breakdown Column 2	**Endrin:**	**3.70 %**
	4,4'-DDT:	**12.31 %**
	Total:	**16.01 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GM002150.D
Data File Path Q:\SVOA\GC11_GM\DATA\GM0816\081816\
Date Acquired 19 Aug 2016 11:08 pm

Sample Name **CZH0337-PEM5**
Instrument Name SVOAGC11

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	6.47	7.48	355255584	325150225.6
13)	4,4'-DDE	12.45	14.20	1629774.616	1290982.298
16)	Endrin	13.60	15.30	515308349.5	497665425.4
17)	4,4'-DDD	13.76	15.48	41666606.48	47069672.17
19)	4,4'-DDT	14.35	16.20	354518328.5	402712836
20)	Endrin Aldehyde	14.99	16.59	3016177.64	2469989.716
23)	Endrin Ketone	16.61	18.92	20375014.58	31545285.2
29)	Decachlorobiphenyl	19.48	24.15	224151960	250350288.3

Breakdown Column 1	**Endrin:**	**4.34 %**
	4,4'-DDT:	**10.88 %**
	Total:	**15.23 %**
Breakdown Column 2	**Endrin:**	**6.40 %**
	4,4'-DDT:	**10.72 %**
	Total:	**17.12 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GI058768.D
Data File Path Q:\SVOA\GC7_GI\DATA\GI0816\GI081716\
Date Acquired 8-18-2016 04:47:03 AM

Sample Name **CZH0325-PEM2**
Instrument Name SVOAGC7

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	7.95	8.87	4936538946	2675614167
13)	4,4'-DDE	13.41	14.72	81181523.07	39213484.28
16)	Endrin	14.34	15.60	8717850729	4256436091
17)	4,4'-DDD	14.50	15.79	74047956.33	93050276.43
19)	4,4'-DDT	14.97	16.32	5553552137	2665552590
20)	Endrin Aldehyde	15.50	16.60	27538456.4	21166238.85
23)	Endrin Ketone	16.78	18.11	65142787	46730679.16
29)	Decachlorobiphenyl	18.65	20.88	2749872938	1479758617

Breakdown Column 1	**Endrin:**	**1.05 %**
	4,4'-DDT:	**2.72 %**
	Total:	**3.77 %**
Breakdown Column 2	**Endrin:**	**1.57 %**
	4,4'-DDT:	**4.73 %**
	Total:	**6.30 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date August 22, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Solid Samples

Samples Analyzed

Enclosed are Report No(s): 56685
Reported on dry basis.

Blank = <0.10%
LCS 0.53 = 0.53%

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

8/22/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample Analysis

Work Order 16-1234

Sample	Description	Source	Taken/Time	Received
56685	1608415-01	ESS Laboratory	8/15/16	8/17/16

Parameter		Results	MDL	Method	Analyzed/Time	Tech
Sulfur, %	Less Than	0.10	0.10	ASTM D4239	08/18/16	sjr

(1) MA & CT do not certify this parameter

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.essiaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608415

Turn Time **DUE 8/22/16**

Reporting Limits - _____

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Electonic Deliverables Excel Access PDF

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Co. Name	ESS LABORATORY	Project #	Project Name 1608415
Contact Person	Shawn Morrell	Address	
City		State	Zip
Tel.		email: smorrell@thielsch.com	PO # B02409

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Total Sulfur
	8/15/16	1104	G	S	1608415-01	1	1	1	2oz	X

Anahysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Cooler Present ✓ Yes _____No

Seals Intact ____ Yes _____No NA:___

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time) 8/17/16 11:52	Received by: (Signature, Date & Time) 8-17-16 1152hr	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: ESS Courier

ESS Project ID: 1608415
Date Received: 8/15/2016
Project Due Date: 8/22/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? NA
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 3.7 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis: Sulfur 1608415-01
    TAT: standard /Sterling Analytical
    (CMT 8/17/16)
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOAs brought to freezer: Date: ____ Time: ____ By: ____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	61224	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61225	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61226	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61227	Yes	NA	Yes	VOA Vial - Methanol	MeOH	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: [signature] Date & Time: 8-15-16 1856
Reviewed By: [signature] Date & Time: 8/15/16 1943
Delivered By: [signature] 8/15/16 1943

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608415

Turn Time ____ Standard Other____

Regulatory State: MA RI CT NH NJ NY ME Other____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other____

Reporting Limits - ____

Electonic Deliverables Excel Access PDF

Co. Name G2A
Project # 33554.9
Project Name LNG Access Rd.
Contact Person Meg Kilpatrick
Address
City Providence
State RI
Zip 02909
PO #
Tel. 401-421-4140
Fax.
email: mkilpatrick@G2A.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 Metals	PCBs 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	PH	Flashpoint	Herbicides pesticides
1	8/15/16	11:04	G	S	P-10	6,1	4	AG,V	250z	X	X	X	X	X	X	X	X	X	X	X X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No
Seals Intact ____ Yes ✓ No NA:____
Cooler Temperature: 3.7 ICE JT 8/15/16

Internal Use Only
[ ] Pickup
[ ] Technician

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matt Mu

Comments: N. Grid rates Apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matt Mu 8/15/16 16:50	8/15/16 1650		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1608426

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:36 pm, Aug 25, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

SAMPLE RECEIPT

The following samples were received on August 16, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1608426-01	P-11	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045
1608426-02	Trip Blank	Solid	8260B

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

CH61735-BS1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (62% @ 70-130%), Chloromethane (58% @ 70-130%)

CH61735-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (68% @ 70-130%), Chloromethane (61% @ 70-130%)

CZH0322-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Chloromethane (34% @ 30%), Diethyl Ether (32% @ 30%)

8081B Organochlorine Pesticides

CZH0325-CCV3 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
4,4´-DDE (23% @ 20%), 4,4´-DDT [2C] (22% @ 20%), delta-BHC [2C] (24% @ 20%), Methoxychlor [2C] (32% @ 20%)

8151A Chlorinated Herbicides

CZH0313-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-DB [2C] (21% @ 20%)

8270D Semi-Volatile Organic Compounds

CZH0308-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), Benzoic Acid (86% @ 80-120%)

CZH0308-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Di-n-octylphthalate (25% @ 20%), p-Terphenyl-d14 (21% @ 20%), Pyrene (21% @ 20%)

CZH0308-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (26% @ 20%)

CZH0341-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (92% @ 80-120%), Benzoic Acid (86% @ 80-120%)

CZH0341-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (31% @ 20%)

CZH0383-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (74% @ 80-120%), Benzoic Acid (34% @ 80-120%), Di-n-octylphthalate (97% @ 80-120%)

CZH0383-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
N-Nitrosodimethylamine (24% @ 20%), Pyridine (33% @ 20%)

CZH0383-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (26% @ 20%), Benzoic Acid (66% @ 20%), Hexachlorocyclopentadiene (40% @ 20%), Pentachlorophenol (45% @ 20%)

CZH0383-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
Benzoic Acid

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.15** (1.90)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653
Barium	**30.6** (1.90)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653
Cadmium	**1.18** (0.38)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653
Chromium	**15.2** (0.76)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653
Lead	**21.1** (3.81)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653
Mercury	ND (0.031)		7471B		1	BJV	08/17/16 14:35	0.68	40	CH61652
Selenium	ND (0.38)		6020A		20	NAR	08/19/16 17:12	2.79	100	CH61653
Silver	ND (0.38)		6010C		1	KJK	08/25/16 5:47	2.79	100	CH61653

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	KJK	08/18/16 9:15	50	50	CH61717

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 12.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1,1-Trichloroethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1,2,2-Tetrachloroethane	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1,2-Trichloroethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1-Dichloroethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1-Dichloroethene	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,1-Dichloropropene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2,3-Trichlorobenzene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2,3-Trichloropropane	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2,4-Trichlorobenzene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2,4-Trimethylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2-Dibromo-3-Chloropropane	ND (1.34)	0.267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2-Dibromoethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2-Dichlorobenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2-Dichloroethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,2-Dichloropropane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,3,5-Trimethylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,3-Dichlorobenzene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,3-Dichloropropane	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,4-Dichlorobenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
1,4-Dioxane - Screen	ND (53.5)	50.8	8260B		1	08/17/16 17:28	CZH0322	CH61735
1-Chlorohexane	ND (0.267)	0.107	8260B		1	08/17/16 17:28	CZH0322	CH61735
2,2-Dichloropropane	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
2-Butanone	ND (1.34)	0.909	8260B		1	08/17/16 17:28	CZH0322	CH61735
2-Chlorotoluene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
2-Hexanone	ND (1.34)	0.401	8260B		1	08/17/16 17:28	CZH0322	CH61735
4-Chlorotoluene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
4-Isopropyltoluene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
4-Methyl-2-Pentanone	ND (1.34)	0.428	8260B		1	08/17/16 17:28	CZH0322	CH61735
Acetone	ND (1.34)	0.722	8260B		1	08/17/16 17:28	CZH0322	CH61735
Benzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Bromobenzene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 12.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Bromodichloromethane	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Bromoform	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Bromomethane	ND (0.267)	0.107	8260B		1	08/17/16 17:28	CZH0322	CH61735
Carbon Disulfide	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Carbon Tetrachloride	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Chlorobenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Chloroethane	ND (0.267)	0.107	8260B		1	08/17/16 17:28	CZH0322	CH61735
Chloroform	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Chloromethane	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
cis-1,2-Dichloroethene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
cis-1,3-Dichloropropene	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Dibromochloromethane	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Dibromomethane	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Dichlorodifluoromethane	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Diethyl Ether	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Di-isopropyl ether	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Ethyl tertiary-butyl ether	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Ethylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Hexachlorobutadiene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Isopropylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Methyl tert-Butyl Ether	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
Methylene Chloride	ND (0.535)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Naphthalene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
n-Butylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
n-Propylbenzene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
sec-Butylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Styrene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
tert-Butylbenzene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Tertiary-amyl methyl ether	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Tetrachloroethene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Tetrahydrofuran	ND (1.34)	0.428	8260B		1	08/17/16 17:28	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 12.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
trans-1,2-Dichloroethene	ND (0.267)	0.0802	8260B		1	08/17/16 17:28	CZH0322	CH61735
trans-1,3-Dichloropropene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Trichloroethene	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Trichlorofluoromethane	ND (0.267)	0.107	8260B		1	08/17/16 17:28	CZH0322	CH61735
Vinyl Acetate	ND (0.267)	0.134	8260B		1	08/17/16 17:28	CZH0322	CH61735
Vinyl Chloride	ND (0.267)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Xylene O	ND (0.267)	0.0267	8260B		1	08/17/16 17:28	CZH0322	CH61735
Xylene P,M	ND (0.535)	0.0535	8260B		1	08/17/16 17:28	CZH0322	CH61735
Xylenes (Total)	ND (0.535)		8260B		1	08/17/16 17:28		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*93 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*90 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 19.6
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/16/16 14:41

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
4,4´-DDE	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
4,4´-DDT	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Aldrin	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
alpha-BHC	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
alpha-Chlordane	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
beta-BHC	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Chlordane (Total)	ND (0.0325)		8081B		1	08/18/16 8:25	CZH0325	CH61525
delta-BHC	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Dieldrin	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endosulfan I	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endosulfan II	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endosulfan Sulfate	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endrin	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endrin Aldehyde	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Endrin Ketone	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
gamma-BHC (Lindane)	ND (0.0016)		8081B		1	08/18/16 8:25	CZH0325	CH61525
gamma-Chlordane	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Heptachlor	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Heptachlor Epoxide	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Hexachlorobenzene	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Methoxychlor	ND (0.0027)		8081B		1	08/18/16 8:25	CZH0325	CH61525
Toxaphene	ND (0.135)		8081B		1	08/18/16 8:25	CZH0325	CH61525

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*71 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*87 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*62 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*69 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 19.5
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 8/17/16 17:21

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1221	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1232	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1242	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1248	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1254	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1260	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1262	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703
Aroclor 1268	ND (0.0545)		8082A		1	08/19/16 4:11		CH61703

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*66 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*65 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 8/16/16 15:36

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.9)		8100M		1	08/17/16 9:51	CZH0286	CH61613

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*101 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 10.4
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/16/16 15:15

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	08/17/16 12:45	CZH0313	CH61547
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	08/17/16 12:45	CZH0313	CH61547
2,4-D	ND (0.192)		8151A		1	08/17/16 12:45	CZH0313	CH61547
2,4-DB	ND (0.194)		8151A		1	08/17/16 12:45	CZH0313	CH61547
Dalapon	ND (0.186)		8151A		1	08/17/16 12:45	CZH0313	CH61547
Dicamba	ND (0.010)		8151A		1	08/17/16 12:45	CZH0313	CH61547
Dichlorprop	ND (0.192)		8151A		1	08/17/16 12:45	CZH0313	CH61547
Dinoseb	ND (0.194)		8151A		1	08/17/16 12:45	CZH0313	CH61547
MCPA	ND (19.0)		8151A		1	08/17/16 12:45	CZH0313	CH61547
MCPP	ND (19.2)		8151A		1	08/17/16 12:45	CZH0313	CH61547

	%Recovery	Qualifier	Limits
Surrogate: DCAA	*36 %*		*30-150*
Surrogate: DCAA [2C]	*30 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
1,2,4-Trichlorobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
1,2-Dichlorobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
1,3-Dichlorobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
1,4-Dichlorobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,3,4,6-Tetrachlorophenol	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4,5-Trichlorophenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4,6-Trichlorophenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4-Dichlorophenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4-Dimethylphenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4-Dinitrophenol	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,4-Dinitrotoluene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2,6-Dinitrotoluene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Chloronaphthalene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Chlorophenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Methylnaphthalene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Methylphenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Nitroaniline	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
2-Nitrophenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
3,3´-Dichlorobenzidine	ND (0.733)		8270D		1	08/19/16 23:51	CZH0383	CH61614
3+4-Methylphenol	ND (0.733)		8270D		1	08/19/16 23:51	CZH0383	CH61614
3-Nitroaniline	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4,6-Dinitro-2-Methylphenol	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Bromophenyl-phenylether	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Chloro-3-Methylphenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Chloroaniline	ND (0.733)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Chloro-phenyl-phenyl ether	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Nitroaniline	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
4-Nitrophenol	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Acenaphthene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Acenaphthylene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Acetophenone	ND (0.733)		8270D		1	08/19/16 23:51	CZH0383	CH61614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.733)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Anthracene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Azobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzo(a)anthracene	**0.381** (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzo(a)pyrene	**0.405** (0.184)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzo(b)fluoranthene	**0.520** (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzo(g,h,i)perylene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzo(k)fluoranthene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzoic Acid	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Benzyl Alcohol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
bis(2-Chloroethoxy)methane	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
bis(2-Chloroethyl)ether	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
bis(2-chloroisopropyl)Ether	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
bis(2-Ethylhexyl)phthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Butylbenzylphthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Carbazole	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Chrysene	**0.397** (0.184)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Dibenzo(a,h)Anthracene	ND (0.184)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Dibenzofuran	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Diethylphthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Dimethylphthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Di-n-butylphthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Di-n-octylphthalate	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Fluoranthene	**0.585** (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Fluorene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Hexachlorobenzene	ND (0.184)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Hexachlorobutadiene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Hexachlorocyclopentadiene	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Hexachloroethane	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Indeno(1,2,3-cd)Pyrene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Isophorone	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Naphthalene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/16/16 15:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
N-Nitrosodimethylamine	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
N-Nitroso-Di-n-Propylamine	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
N-nitrosodiphenylamine	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Pentachlorophenol	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Phenanthrene	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Phenol	ND (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Pyrene	**0.464** (0.366)		8270D		1	08/19/16 23:51	CZH0383	CH61614
Pyridine	ND (1.84)		8270D		1	08/19/16 23:51	CZH0383	CH61614

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*64 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*67 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*83 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**8.01** (N/A)		9045		1	JLK	08/16/16 21:26	S.U.	CH61646
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 22.7 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	CRR	08/18/16 13:45	°F	CH61817
Sulfur, Total, WT PCT	ND (0.10)		§		1	SUB	08/18/16 0:00	§	CH62238
Total Cyanide	ND (0.99)		9014		1	MJV	08/19/16 12:09	mg/kg dry	CH61910

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-11
Date Sampled: 08/15/16 15:01
Percent Solids: 94
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-01
Sample Matrix: Soil
Units: °C
Analyst: LAB
Prepared: 8/16/16 16:59

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**22.1** (N/A)		1311		1	LAB	08/17/16 9:21	CH61651
Temperature (Max C)	**23.6** (N/A)		1311		1	LAB	08/17/16 9:21	CH61651
Temperature (Range)	**Temperature is within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/15/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1,1-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1,2,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1,2-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,1-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2,3-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2,3-Trichloropropane	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2,4-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2,4-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2-Dibromo-3-Chloropropane	ND (1.00)	0.200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2-Dibromoethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,2-Dichloropropane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,3,5-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,3-Dichlorobenzene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,3-Dichloropropane	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,4-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
1,4-Dioxane - Screen	ND (40.0)	38.0	8260B		1	08/17/16 13:00	CZH0322	CH61735
1-Chlorohexane	ND (0.200)	0.0800	8260B		1	08/17/16 13:00	CZH0322	CH61735
2,2-Dichloropropane	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
2-Butanone	ND (1.00)	0.680	8260B		1	08/17/16 13:00	CZH0322	CH61735
2-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
2-Hexanone	ND (1.00)	0.300	8260B		1	08/17/16 13:00	CZH0322	CH61735
4-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
4-Isopropyltoluene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
4-Methyl-2-Pentanone	ND (1.00)	0.320	8260B		1	08/17/16 13:00	CZH0322	CH61735
Acetone	ND (1.00)	0.540	8260B		1	08/17/16 13:00	CZH0322	CH61735
Benzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Bromobenzene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/15/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Bromodichloromethane	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Bromoform	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Bromomethane	ND (0.200)	0.0800	8260B		1	08/17/16 13:00	CZH0322	CH61735
Carbon Disulfide	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Carbon Tetrachloride	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Chlorobenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Chloroethane	ND (0.200)	0.0800	8260B		1	08/17/16 13:00	CZH0322	CH61735
Chloroform	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Chloromethane	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
cis-1,2-Dichloroethene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
cis-1,3-Dichloropropene	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Dibromochloromethane	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Dibromomethane	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Dichlorodifluoromethane	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Diethyl Ether	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Di-isopropyl ether	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Ethyl tertiary-butyl ether	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Ethylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Hexachlorobutadiene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Isopropylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Methyl tert-Butyl Ether	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
Methylene Chloride	ND (0.400)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Naphthalene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
n-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
n-Propylbenzene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
sec-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Styrene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
tert-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Tertiary-amyl methyl ether	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Tetrachloroethene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Tetrahydrofuran	ND (1.00)	0.320	8260B		1	08/17/16 13:00	CZH0322	CH61735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/15/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608426
ESS Laboratory Sample ID: 1608426-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
trans-1,2-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/17/16 13:00	CZH0322	CH61735
trans-1,3-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Trichloroethene	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Trichlorofluoromethane	ND (0.200)	0.0800	8260B		1	08/17/16 13:00	CZH0322	CH61735
Vinyl Acetate	ND (0.200)	0.100	8260B		1	08/17/16 13:00	CZH0322	CH61735
Vinyl Chloride	ND (0.200)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Xylene O	ND (0.200)	0.0200	8260B		1	08/17/16 13:00	CZH0322	CH61735
Xylene P,M	ND (0.400)	0.0400	8260B		1	08/17/16 13:00	CZH0322	CH61735
Xylenes (Total)	ND (0.400)		8260B		1	08/17/16 13:00		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*91 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CH61652 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.70	1.80	mg/kg wet	9.700		100	80-120			
LCS Dup										
Mercury	9.55	1.90	mg/kg wet	9.700		98	80-120	2	20	
Batch CH61653 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	153	9.80	mg/kg wet	161.0		95	80-120			
Barium	344	9.80	mg/kg wet	351.0		98	80-120			
Cadmium	186	1.96	mg/kg wet	190.0		98	80-120			
Chromium	89.6	3.92	mg/kg wet	87.90		102	80-120			
Lead	138	19.6	mg/kg wet	138.0		100	80-120			
Selenium	304	24.5	mg/kg wet	305.0		100	80-120			
Silver	60.6	1.96	mg/kg wet	58.00		105	80-120			
LCS Dup										
Arsenic	155	9.80	mg/kg wet	161.0		96	80-120	0.8	20	
Barium	359	9.80	mg/kg wet	351.0		102	80-120	4	20	
Cadmium	182	1.96	mg/kg wet	190.0		96	80-120	2	20	
Chromium	88.6	3.92	mg/kg wet	87.90		101	80-120	1	20	
Lead	136	19.6	mg/kg wet	138.0		99	80-120	1	20	
Selenium	304	24.5	mg/kg wet	305.0		100	80-120	0.1	30	
Silver	59.2	1.96	mg/kg wet	58.00		102	80-120	2	20	
1311 TCLP Metals										
Batch CH61717 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.497	0.050	mg/L	0.5000		99	80-120			
LCS Dup										
Lead	0.487	0.050	mg/L	0.5000		97	80-120	2	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.13*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.96*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.20*		mg/kg wet	*5.000*		*104*	*70-130*			
Surrogate: Toluene-d8	*4.89*		mg/kg wet	*5.000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1,1-Trichloroethane	1.93	0.200	mg/kg wet	2.000		97	70-130			
1,1,2,2-Tetrachloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,1,2-Trichloroethane	1.59	0.200	mg/kg wet	2.000		80	70-130			
1,1-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130			
1,1-Dichloroethene	1.70	0.200	mg/kg wet	2.000		85	70-130			
1,1-Dichloropropene	1.84	0.200	mg/kg wet	2.000		92	70-130			
1,2,3-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2,3-Trichloropropane	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2,4-Trichlorobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,2,4-Trimethylbenzene	1.83	0.200	mg/kg wet	2.000		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
1,2-Dibromo-3-Chloropropane	1.87	1.00	mg/kg wet	2.000		94	70-130			
1,2-Dibromoethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2-Dichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichloroethane	1.89	0.200	mg/kg wet	2.000		95	70-130			
1,2-Dichloropropane	1.80	0.200	mg/kg wet	2.000		90	70-130			
1,3,5-Trimethylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,3-Dichlorobenzene	2.07	0.200	mg/kg wet	2.000		104	70-130			
1,3-Dichloropropane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,4-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,4-Dioxane - Screen	65.4	40.0	mg/kg wet	40.00		163	44-241			
1-Chlorohexane	1.83	0.200	mg/kg wet	2.000		92	70-130			
2,2-Dichloropropane	1.79	0.200	mg/kg wet	2.000		89	70-130			
2-Butanone	9.31	1.00	mg/kg wet	10.00		93	70-130			
2-Chlorotoluene	2.02	0.200	mg/kg wet	2.000		101	70-130			
2-Hexanone	9.13	1.00	mg/kg wet	10.00		91	70-130			
4-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	2.06	0.200	mg/kg wet	2.000		103	70-130			
4-Methyl-2-Pentanone	8.92	1.00	mg/kg wet	10.00		89	70-130			
Acetone	9.12	1.00	mg/kg wet	10.00		91	70-130			
Benzene	1.79	0.200	mg/kg wet	2.000		90	70-130			
Bromobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
Bromochloromethane	1.90	0.200	mg/kg wet	2.000		95	70-130			
Bromodichloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
Bromoform	2.27	0.200	mg/kg wet	2.000		113	70-130			
Bromomethane	2.24	0.200	mg/kg wet	2.000		112	70-130			
Carbon Disulfide	1.89	0.200	mg/kg wet	2.000		95	70-130			
Carbon Tetrachloride	2.11	0.200	mg/kg wet	2.000		105	70-130			
Chlorobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Chloroethane	1.25	0.200	mg/kg wet	2.000		62	70-130			B-
Chloroform	1.73	0.200	mg/kg wet	2.000		86	70-130			
Chloromethane	1.15	0.200	mg/kg wet	2.000		58	70-130			B-
cis-1,2-Dichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130			
cis-1,3-Dichloropropene	1.81	0.200	mg/kg wet	2.000		90	70-130			
Dibromochloromethane	1.87	0.200	mg/kg wet	2.000		94	70-130			
Dibromomethane	1.85	0.200	mg/kg wet	2.000		93	70-130			
Dichlorodifluoromethane	1.67	0.200	mg/kg wet	2.000		84	70-130			
Diethyl Ether	1.43	0.200	mg/kg wet	2.000		72	70-130			
Di-isopropyl ether	1.67	0.200	mg/kg wet	2.000		84	70-130			
Ethyl tertiary-butyl ether	1.78	0.200	mg/kg wet	2.000		89	70-130			
Ethylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130			
Hexachlorobutadiene	1.92	0.200	mg/kg wet	2.000		96	70-130			
Isopropylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Methyl tert-Butyl Ether	1.79	0.200	mg/kg wet	2.000		89	70-130			
Methylene Chloride	1.75	0.400	mg/kg wet	2.000		88	70-130			
Naphthalene	1.93	0.200	mg/kg wet	2.000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
n-Butylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
n-Propylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Styrene	1.86	0.200	mg/kg wet	2.000		93	70-130			
tert-Butylbenzene	2.11	0.200	mg/kg wet	2.000		106	70-130			
Tertiary-amyl methyl ether	1.85	0.200	mg/kg wet	2.000		92	70-130			
Tetrachloroethene	1.57	0.200	mg/kg wet	2.000		78	70-130			
Tetrahydrofuran	1.77	1.00	mg/kg wet	2.000		89	70-130			
Toluene	1.81	0.200	mg/kg wet	2.000		91	70-130			
trans-1,2-Dichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130			
trans-1,3-Dichloropropene	1.73	0.200	mg/kg wet	2.000		87	70-130			
Trichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130			
Vinyl Acetate	1.77	0.200	mg/kg wet	2.000		89	70-130			
Vinyl Chloride	1.53	0.200	mg/kg wet	2.000		76	70-130			
Xylene O	1.95	0.200	mg/kg wet	2.000		98	70-130			
Xylene P,M	4.09	0.400	mg/kg wet	4.000		102	70-130			
Xylenes (Total)	6.04	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.82*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.85*		mg/kg wet	*5.000*		*97*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	2.06	0.200	mg/kg wet	2.000		103	70-130	4	25	
1,1,1-Trichloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130	1	25	
1,1,2,2-Tetrachloroethane	1.75	0.200	mg/kg wet	2.000		88	70-130	4	25	
1,1,2-Trichloroethane	1.73	0.200	mg/kg wet	2.000		87	70-130	8	25	
1,1-Dichloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130	7	25	
1,1-Dichloroethene	1.87	0.200	mg/kg wet	2.000		93	70-130	10	25	
1,1-Dichloropropene	1.85	0.200	mg/kg wet	2.000		92	70-130	0.4	25	
1,2,3-Trichlorobenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	8	25	
1,2,3-Trichloropropane	1.91	0.200	mg/kg wet	2.000		95	70-130	2	25	
1,2,4-Trichlorobenzene	1.85	0.200	mg/kg wet	2.000		92	70-130	2	25	
1,2,4-Trimethylbenzene	1.87	0.200	mg/kg wet	2.000		94	70-130	3	25	
1,2-Dibromo-3-Chloropropane	1.80	1.00	mg/kg wet	2.000		90	70-130	4	25	
1,2-Dibromoethane	1.95	0.200	mg/kg wet	2.000		98	70-130	5	25	
1,2-Dichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	0.5	25	
1,2-Dichloroethane	1.93	0.200	mg/kg wet	2.000		96	70-130	2	25	
1,2-Dichloropropane	1.91	0.200	mg/kg wet	2.000		96	70-130	6	25	
1,3,5-Trimethylbenzene	1.89	0.200	mg/kg wet	2.000		94	70-130	3	25	
1,3-Dichlorobenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
1,3-Dichloropropane	1.94	0.200	mg/kg wet	2.000		97	70-130	3	25	
1,4-Dichlorobenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	5	25	
1,4-Dioxane - Screen	44.0	40.0	mg/kg wet	40.00		110	44-241	39	200	
1-Chlorohexane	1.93	0.200	mg/kg wet	2.000		96	70-130	5	25	
2,2-Dichloropropane	1.78	0.200	mg/kg wet	2.000		89	70-130	0.1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
2-Butanone	9.30	1.00	mg/kg wet	10.00		93	70-130	0.2	25	
2-Chlorotoluene	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
2-Hexanone	9.38	1.00	mg/kg wet	10.00		94	70-130	3	25	
4-Chlorotoluene	1.95	0.200	mg/kg wet	2.000		98	70-130	0.8	25	
4-Isopropyltoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
4-Methyl-2-Pentanone	8.30	1.00	mg/kg wet	10.00		83	70-130	7	25	
Acetone	8.64	1.00	mg/kg wet	10.00		86	70-130	5	25	
Benzene	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
Bromobenzene	2.05	0.200	mg/kg wet	2.000		103	70-130	4	25	
Bromochloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130	4	25	
Bromodichloromethane	2.07	0.200	mg/kg wet	2.000		104	70-130	8	25	
Bromoform	2.32	0.200	mg/kg wet	2.000		116	70-130	2	25	
Bromomethane	2.57	0.200	mg/kg wet	2.000		128	70-130	13	25	
Carbon Disulfide	2.00	0.200	mg/kg wet	2.000		100	70-130	6	25	
Carbon Tetrachloride	2.14	0.200	mg/kg wet	2.000		107	70-130	1	25	
Chlorobenzene	2.05	0.200	mg/kg wet	2.000		102	70-130	1	25	
Chloroethane	1.36	0.200	mg/kg wet	2.000		68	70-130	8	25	B-
Chloroform	1.83	0.200	mg/kg wet	2.000		92	70-130	6	25	
Chloromethane	1.22	0.200	mg/kg wet	2.000		61	70-130	6	25	B-
cis-1,2-Dichloroethene	1.72	0.200	mg/kg wet	2.000		86	70-130	3	25	
cis-1,3-Dichloropropene	1.92	0.200	mg/kg wet	2.000		96	70-130	6	25	
Dibromochloromethane	2.00	0.200	mg/kg wet	2.000		100	70-130	7	25	
Dibromomethane	1.83	0.200	mg/kg wet	2.000		92	70-130	1	25	
Dichlorodifluoromethane	1.72	0.200	mg/kg wet	2.000		86	70-130	3	25	
Diethyl Ether	1.39	0.200	mg/kg wet	2.000		70	70-130	3	25	
Di-isopropyl ether	1.81	0.200	mg/kg wet	2.000		90	70-130	8	25	
Ethyl tertiary-butyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130	3	25	
Ethylbenzene	1.87	0.200	mg/kg wet	2.000		93	70-130	0.9	25	
Hexachlorobutadiene	1.67	0.200	mg/kg wet	2.000		84	70-130	14	25	
Isopropylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	1	25	
Methyl tert-Butyl Ether	1.82	0.200	mg/kg wet	2.000		91	70-130	2	25	
Methylene Chloride	1.82	0.400	mg/kg wet	2.000		91	70-130	4	25	
Naphthalene	1.75	0.200	mg/kg wet	2.000		88	70-130	10	25	
n-Butylbenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
n-Propylbenzene	1.91	0.200	mg/kg wet	2.000		96	70-130	4	25	
sec-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	4	25	
Styrene	1.98	0.200	mg/kg wet	2.000		99	70-130	6	25	
tert-Butylbenzene	2.05	0.200	mg/kg wet	2.000		103	70-130	3	25	
Tertiary-amyl methyl ether	1.86	0.200	mg/kg wet	2.000		93	70-130	0.6	25	
Tetrachloroethene	1.52	0.200	mg/kg wet	2.000		76	70-130	3	25	
Tetrahydrofuran	2.01	1.00	mg/kg wet	2.000		100	70-130	12	25	
Toluene	1.79	0.200	mg/kg wet	2.000		90	70-130	1	25	
trans-1,2-Dichloroethene	1.86	0.200	mg/kg wet	2.000		93	70-130	8	25	
trans-1,3-Dichloropropene	1.82	0.200	mg/kg wet	2.000		91	70-130	5	25	
Trichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61735 - 5035										
Vinyl Acetate	1.74	0.200	mg/kg wet	2.000		87	70-130	2	25	
Vinyl Chloride	1.71	0.200	mg/kg wet	2.000		85	70-130	11	25	
Xylene O	2.09	0.200	mg/kg wet	2.000		104	70-130	7	25	
Xylene P,M	4.24	0.400	mg/kg wet	4.000		106	70-130	4	25	
Xylenes (Total)	6.33	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.85*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.98*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.08*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.78*		mg/kg wet	*5.000*		*96*	*70-130*			
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0151*		mg/kg wet	*0.01250*		*121*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0151*		mg/kg wet	*0.01250*		*121*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0141*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0133*		mg/kg wet	*0.01250*		*106*	*30-150*			
LCS										
4,4´-DDD	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
4,4´-DDD [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
4,4´-DDE	0.0118	0.0025	mg/kg wet	0.01250		95	40-140			
4,4´-DDE [2C]	0.0133	0.0025	mg/kg wet	0.01250		106	40-140			
4,4´-DDT	0.0130	0.0025	mg/kg wet	0.01250		104	40-140			
4,4´-DDT [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Aldrin	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
Aldrin [2C]	0.0124	0.0025	mg/kg wet	0.01250		99	40-140			
alpha-BHC	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-BHC [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-Chlordane	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
alpha-Chlordane [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140			
beta-BHC	0.0123	0.0025	mg/kg wet	0.01250		98	40-140			
beta-BHC [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
delta-BHC	0.0104	0.0025	mg/kg wet	0.01250		83	40-140			
delta-BHC [2C]	0.0103	0.0025	mg/kg wet	0.01250		83	40-140			
Dieldrin	0.0134	0.0025	mg/kg wet	0.01250		107	40-140			
Dieldrin [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			
Endosulfan I	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Endosulfan I [2C]	0.0128	0.0025	mg/kg wet	0.01250		102	40-140			
Endosulfan II	0.0124	0.0025	mg/kg wet	0.01250		99	40-140			
Endosulfan II [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Endosulfan Sulfate	0.0128	0.0025	mg/kg wet	0.01250		102	40-140			
Endosulfan Sulfate [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Endrin	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
Endrin [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
Endrin Aldehyde	0.0124	0.0025	mg/kg wet	0.01250		100	40-140			
Endrin Aldehyde [2C]	0.0132	0.0025	mg/kg wet	0.01250		105	40-140			
Endrin Ketone	0.0135	0.0025	mg/kg wet	0.01250		108	40-140			
Endrin Ketone [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140			
gamma-BHC (Lindane)	0.0119	0.0015	mg/kg wet	0.01250		95	40-140			
gamma-BHC (Lindane) [2C]	0.0118	0.0015	mg/kg wet	0.01250		94	40-140			
gamma-Chlordane	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
gamma-Chlordane [2C]	0.0121	0.0025	mg/kg wet	0.01250		96	40-140			
Heptachlor	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Heptachlor [2C]	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Heptachlor Epoxide	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			
Heptachlor Epoxide [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Hexachlorobenzene	0.0134	0.0025	mg/kg wet	0.01250		108	40-140			
Hexachlorobenzene [2C]	0.0132	0.0025	mg/kg wet	0.01250		105	40-140			
Methoxychlor	0.0126	0.0025	mg/kg wet	0.01250		101	40-140			
Methoxychlor [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140			
Surrogate: Decachlorobiphenyl	*0.0138*		mg/kg wet	*0.01250*		*111*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0137*		mg/kg wet	*0.01250*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0132*		mg/kg wet	*0.01250*		*106*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0123*		mg/kg wet	*0.01250*		*98*	*30-150*			
LCS Dup										
4,4´-DDD	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
4,4´-DDD [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
4,4´-DDE	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	6	30	
4,4´-DDE [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	3	30	
4,4´-DDT	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	5	30	
4,4´-DDT [2C]	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	10	30	
Aldrin	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	5	30	
Aldrin [2C]	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	5	30	
alpha-BHC	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
alpha-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
alpha-Chlordane	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	6	30	
alpha-Chlordane [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	1	30	
beta-BHC	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	3	30	
beta-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	5	30	
delta-BHC	0.0107	0.0025	mg/kg wet	0.01250		86	40-140	3	30	
delta-BHC [2C]	0.0108	0.0025	mg/kg wet	0.01250		87	40-140	5	30	
Dieldrin	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	5	30	
Dieldrin [2C]	0.0133	0.0025	mg/kg wet	0.01250		107	40-140	4	30	
Endosulfan I	0.0132	0.0025	mg/kg wet	0.01250		105	40-140	5	30	
Endosulfan I [2C]	0.0124	0.0025	mg/kg wet	0.01250		100	40-140	3	30	
Endosulfan II	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	4	30	
Endosulfan II [2C]	0.0124	0.0025	mg/kg wet	0.01250		99	40-140	7	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH61525 - 3546										
Endosulfan Sulfate	0.0133	0.0025	mg/kg wet	0.01250		106	40-140	4	30	
Endosulfan Sulfate [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	4	30	
Endrin	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	6	30	
Endrin [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	5	30	
Endrin Aldehyde	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	4	30	
Endrin Aldehyde [2C]	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	7	30	
Endrin Ketone	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	3	30	
Endrin Ketone [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	3	30	
gamma-BHC (Lindane)	0.0125	0.0015	mg/kg wet	0.01250		100	40-140	5	30	
gamma-BHC (Lindane) [2C]	0.0124	0.0015	mg/kg wet	0.01250		99	40-140	5	30	
gamma-Chlordane	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	8	30	
gamma-Chlordane [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	3	30	
Heptachlor	0.0121	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
Heptachlor [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	5	30	
Heptachlor Epoxide	0.0137	0.0025	mg/kg wet	0.01250		110	40-140	6	30	
Heptachlor Epoxide [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	5	30	
Hexachlorobenzene	0.0141	0.0025	mg/kg wet	0.01250		113	40-140	5	30	
Hexachlorobenzene [2C]	0.0138	0.0025	mg/kg wet	0.01250		111	40-140	5	30	
Methoxychlor	0.0132	0.0025	mg/kg wet	0.01250		106	40-140	5	30	
Methoxychlor [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	3	30	
Surrogate: Decachlorobiphenyl	*0.0142*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0141*		mg/kg wet	*0.01250*		*113*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0138*		mg/kg wet	*0.01250*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0127*		mg/kg wet	*0.01250*		*102*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61703 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0186*		mg/kg wet	*0.02500*		*74*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0185*		mg/kg wet	*0.02500*		*74*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0182*		mg/kg wet	*0.02500*		*73*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0191*		mg/kg wet	*0.02500*		*76*	*30-150*			
LCS										
Aroclor 1016	0.437	0.0500	mg/kg wet	0.5000		87	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61703 - 3540C										
Aroclor 1260	0.435	0.0500	mg/kg wet	0.5000		87	40-140			
Surrogate: Decachlorobiphenyl	*0.0192*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0193*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0191*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0187*		mg/kg wet	*0.02500*		*75*	*30-150*			
LCS Dup										
Aroclor 1016	0.484	0.0500	mg/kg wet	0.5000		97	40-140	10	30	
Aroclor 1260	0.482	0.0500	mg/kg wet	0.5000		96	40-140	10	30	
Surrogate: Decachlorobiphenyl	*0.0212*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0213*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0211*		mg/kg wet	*0.02500*		*84*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0206*		mg/kg wet	*0.02500*		*82*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CH61613 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.55*		mg/kg wet	*5.000*		*91*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		69	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		67	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonane (C9)	1.4	0.2	mg/kg wet	2.500		58	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		82	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CH61613 - 3546										
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Total Petroleum Hydrocarbons	28.7	37.5	mg/kg wet	35.00		82	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140	10	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.8	25	
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		68	40-140	0.4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		86	40-140	1	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		86	40-140	2	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		88	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140	12	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140	4	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140	1	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	5	25	
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140	0.6	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Surrogate: O-Terphenyl	*4.38*		mg/kg wet	*5.000*		*88*	*40-140*			
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*14.5*		mg/kg wet	*20.00*		*73*	*30-150*			
Surrogate: DCAA [2C]	*14.9*		mg/kg wet	*20.00*		*74*	*30-150*			
LCS										
2,4,5-T	0.013	0.010	mg/kg wet	0.01900		70	40-140			
2,4,5-T [2C]	0.015	0.010	mg/kg wet	0.01900		78	40-140			
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		76	40-140			
2,4,5-TP (Silvex) [2C]	0.014	0.010	mg/kg wet	0.01900		74	40-140			
2,4-D	0.164	0.188	mg/kg wet	0.1880		87	40-140			
2,4-D [2C]	0.163	0.188	mg/kg wet	0.1880		87	40-140			
2,4-DB	0.153	0.190	mg/kg wet	0.1900		80	40-140			
2,4-DB [2C]	0.157	0.190	mg/kg wet	0.1900		83	40-140			
Dalapon	0.213	0.182	mg/kg wet	0.4550		47	40-140			
Dalapon [2C]	0.258	0.182	mg/kg wet	0.4550		57	40-140			
Dicamba	0.012	0.009	mg/kg wet	0.01880		66	40-140			
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		74	40-140			
Dichlorprop	0.148	0.188	mg/kg wet	0.1880		79	40-140			
Dichlorprop [2C]	0.151	0.188	mg/kg wet	0.1880		80	40-140			
Dinoseb	0.014	0.190	mg/kg wet	0.09500		15	10-100			
Dinoseb [2C]	0.015	0.190	mg/kg wet	0.09500		16	10-100			
MCPA	14.2	18.6	mg/kg wet	18.60		76	40-140			
MCPA [2C]	14.4	18.6	mg/kg wet	18.60		77	40-140			
MCPP	13.6	18.8	mg/kg wet	18.80		72	40-140			
MCPP [2C]	15.5	18.8	mg/kg wet	18.80		82	40-140			
Surrogate: DCAA	*16.1*		mg/kg wet	*20.00*		*80*	*30-150*			
Surrogate: DCAA [2C]	*17.2*		mg/kg wet	*20.00*		*86*	*30-150*			
LCS Dup										
2,4,5-T	0.012	0.010	mg/kg wet	0.01900		64	40-140	9	30	
2,4,5-T [2C]	0.013	0.010	mg/kg wet	0.01900		66	40-140	17	30	
2,4,5-TP (Silvex)	0.013	0.010	mg/kg wet	0.01900		66	40-140	14	30	
2,4,5-TP (Silvex) [2C]	0.012	0.010	mg/kg wet	0.01900		62	40-140	18	30	
2,4-D	0.147	0.188	mg/kg wet	0.1880		78	40-140	11	30	
2,4-D [2C]	0.147	0.188	mg/kg wet	0.1880		78	40-140	11	30	
2,4-DB	0.128	0.190	mg/kg wet	0.1900		68	40-140	17	30	
2,4-DB [2C]	0.139	0.190	mg/kg wet	0.1900		73	40-140	13	30	
Dalapon	0.183	0.182	mg/kg wet	0.4550		40	40-140	15	30	
Dalapon [2C]	0.226	0.182	mg/kg wet	0.4550		50	40-140	13	30	
Dicamba	0.013	0.009	mg/kg wet	0.01880		68	40-140	3	30	
Dicamba [2C]	0.012	0.009	mg/kg wet	0.01880		62	40-140	18	30	
Dichlorprop	0.129	0.188	mg/kg wet	0.1880		69	40-140	14	30	
Dichlorprop [2C]	0.140	0.188	mg/kg wet	0.1880		74	40-140	8	30	
Dinoseb	0.011	0.190	mg/kg wet	0.09500		12	10-100	27	30	
Dinoseb [2C]	0.013	0.190	mg/kg wet	0.09500		14	10-100	14	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH61547 - 3546										
MCPA	13.0	18.6	mg/kg wet	18.60		70	40-140	8	30	
MCPA [2C]	12.7	18.6	mg/kg wet	18.60		68	40-140	13	30	
MCPP	12.1	18.8	mg/kg wet	18.80		64	40-140	12	30	
MCPP [2C]	13.1	18.8	mg/kg wet	18.80		70	40-140	17	30	
Surrogate: DCAA	*13.6*		mg/kg wet	*20.00*		*68*	*30-150*			
Surrogate: DCAA [2C]	*14.2*		mg/kg wet	*20.00*		*71*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.44*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.18*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.56*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*4.33*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.87*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Phenol-d6	*4.52*		mg/kg wet	*5.000*		*90*	*30-130*			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Surrogate: p-Terphenyl-d14	*2.81*		mg/kg wet	*3.333*		*84*	*30-130*			
LCS										
1,1-Biphenyl	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,2,4-Trichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,3-Dichlorobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140			
1,4-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140			
2,3,4,6-Tetrachlorophenol	2.30	1.67	mg/kg wet	3.333		69	30-130			
2,4,5-Trichlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130			
2,4,6-Trichlorophenol	2.73	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dimethylphenol	2.75	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.64	0.333	mg/kg wet	3.333		79	40-140			
2,6-Dinitrotoluene	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.27	0.333	mg/kg wet	3.333		68	40-140			
2-Chlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2-Methylnaphthalene	2.38	0.333	mg/kg wet	3.333		72	40-140			
2-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
2-Nitroaniline	2.46	0.333	mg/kg wet	3.333		74	40-140			
2-Nitrophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
3,3´-Dichlorobenzidine	2.81	0.667	mg/kg wet	3.333		84	40-140			
3+4-Methylphenol	5.25	0.667	mg/kg wet	6.667		79	30-130			
3-Nitroaniline	2.41	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.60	1.67	mg/kg wet	3.333		78	30-130			
4-Bromophenyl-phenylether	2.77	0.333	mg/kg wet	3.333		83	40-140			
4-Chloro-3-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
4-Chloroaniline	2.14	0.667	mg/kg wet	3.333		64	40-140			
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Nitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Acetophenone	2.54	0.667	mg/kg wet	3.333		76	40-140			
Aniline	1.85	0.667	mg/kg wet	3.333		56	40-140			
Anthracene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Azobenzene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Benzo(k)fluoranthene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzoic Acid	2.26	1.67	mg/kg wet	3.333		68	40-140			
Benzyl Alcohol	2.29	0.333	mg/kg wet	3.333		69	40-140			

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ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
bis(2-Chloroethoxy)methane	2.58	0.333	mg/kg wet	3.333		77	40-140			
bis(2-Chloroethyl)ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
bis(2-chloroisopropyl)Ether	2.51	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Ethylhexyl)phthalate	3.07	0.333	mg/kg wet	3.333		92	40-140			
Butylbenzylphthalate	2.96	0.333	mg/kg wet	3.333		89	40-140			
Carbazole	2.58	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.53	0.167	mg/kg wet	3.333		76	40-140			
Dibenzo(a,h)Anthracene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Dibenzofuran	2.36	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Di-n-butylphthalate	3.26	0.333	mg/kg wet	3.333		98	40-140			
Di-n-octylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140			
Fluoranthene	2.63	0.333	mg/kg wet	3.333		79	40-140			
Fluorene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorobenzene	2.53	0.167	mg/kg wet	3.333		76	40-140			
Hexachlorobutadiene	2.37	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorocyclopentadiene	1.79	1.67	mg/kg wet	3.333		54	40-140			
Hexachloroethane	2.39	0.333	mg/kg wet	3.333		72	40-140			
Indeno(1,2,3-cd)Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Isophorone	2.51	0.333	mg/kg wet	3.333		75	40-140			
Naphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Nitrobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140			
N-Nitrosodimethylamine	2.37	0.333	mg/kg wet	3.333		71	40-140			
N-Nitroso-Di-n-Propylamine	2.74	0.333	mg/kg wet	3.333		82	40-140			
N-nitrosodiphenylamine	2.80	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Phenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Pyridine	1.97	1.67	mg/kg wet	3.333		59	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.36*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.97*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.96*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*4.13*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.06*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.32	0.333	mg/kg wet	3.333		69	40-140	5	30	
1,2,4-Trichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
1,2-Dichlorobenzene	2.25	0.333	mg/kg wet	3.333		67	40-140	8	30	
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	9	30	
1,4-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	9	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
2,3,4,6-Tetrachlorophenol	2.28	1.67	mg/kg wet	3.333		68	30-130	1	30	
2,4,5-Trichlorophenol	2.67	0.333	mg/kg wet	3.333		80	30-130	4	30	
2,4,6-Trichlorophenol	2.56	0.333	mg/kg wet	3.333		77	30-130	6	30	
2,4-Dichlorophenol	2.38	0.333	mg/kg wet	3.333		71	30-130	8	30	
2,4-Dimethylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130	7	30	
2,4-Dinitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	6	30	
2,4-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140	2	30	
2,6-Dinitrotoluene	2.44	0.333	mg/kg wet	3.333		73	40-140	3	30	
2-Chloronaphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140	6	30	
2-Chlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	7	30	
2-Methylnaphthalene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
2-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	7	30	
2-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140	2	30	
2-Nitrophenol	2.47	0.333	mg/kg wet	3.333		74	30-130	8	30	
3,3´-Dichlorobenzidine	2.93	0.667	mg/kg wet	3.333		88	40-140	4	30	
3+4-Methylphenol	4.84	0.667	mg/kg wet	6.667		73	30-130	8	30	
3-Nitroaniline	2.45	0.333	mg/kg wet	3.333		73	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.67	1.67	mg/kg wet	3.333		80	30-130	3	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	5	30	
4-Chloro-3-Methylphenol	2.38	0.333	mg/kg wet	3.333		71	30-130	7	30	
4-Chloroaniline	2.08	0.667	mg/kg wet	3.333		63	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.50	0.333	mg/kg wet	3.333		75	40-140	5	30	
4-Nitroaniline	2.76	0.333	mg/kg wet	3.333		83	40-140	6	30	
4-Nitrophenol	2.67	1.67	mg/kg wet	3.333		80	30-130	7	30	
Acenaphthene	2.34	0.333	mg/kg wet	3.333		70	40-140	5	30	
Acenaphthylene	2.29	0.333	mg/kg wet	3.333		69	40-140	6	30	
Acetophenone	2.36	0.667	mg/kg wet	3.333		71	40-140	7	30	
Aniline	1.74	0.667	mg/kg wet	3.333		52	40-140	6	30	
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140	1	30	
Azobenzene	2.79	0.333	mg/kg wet	3.333		84	40-140	7	30	
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140	0.2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	0.5	30	
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	1	30	
Benzo(g,h,i)perylene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.3	30	
Benzo(k)fluoranthene	2.86	0.333	mg/kg wet	3.333		86	40-140	0.8	30	
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140	4	30	
Benzyl Alcohol	2.28	0.333	mg/kg wet	3.333		68	40-140	0.6	30	
bis(2-Chloroethoxy)methane	2.39	0.333	mg/kg wet	3.333		72	40-140	8	30	
bis(2-Chloroethyl)ether	2.44	0.333	mg/kg wet	3.333		73	40-140	7	30	
bis(2-chloroisopropyl)Ether	2.37	0.333	mg/kg wet	3.333		71	40-140	5	30	
bis(2-Ethylhexyl)phthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Butylbenzylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140	1	30	
Carbazole	2.74	0.333	mg/kg wet	3.333		82	40-140	6	30	
Chrysene	2.51	0.167	mg/kg wet	3.333		75	40-140	1	30	
Dibenzo(a,h)Anthracene	2.93	0.167	mg/kg wet	3.333		88	40-140	0.2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61614 - 3546										
Dibenzofuran	2.29	0.333	mg/kg wet	3.333		69	40-140	3	30	
Diethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140	0.8	30	
Dimethylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	4	30	
Di-n-butylphthalate	3.36	0.333	mg/kg wet	3.333		101	40-140	3	30	
Di-n-octylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	0.2	30	
Fluoranthene	2.84	0.333	mg/kg wet	3.333		85	40-140	8	30	
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140	4	30	
Hexachlorobenzene	2.46	0.167	mg/kg wet	3.333		74	40-140	3	30	
Hexachlorobutadiene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
Hexachlorocyclopentadiene	1.66	1.67	mg/kg wet	3.333		50	40-140	8	30	
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140	0.02	30	
Isophorone	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	7	30	
Nitrobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140	8	30	
N-Nitrosodimethylamine	2.15	0.333	mg/kg wet	3.333		65	40-140	10	30	
N-Nitroso-Di-n-Propylamine	2.53	0.333	mg/kg wet	3.333		76	40-140	8	30	
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140	3	30	
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130	0.2	30	
Phenanthrene	2.59	0.333	mg/kg wet	3.333		78	40-140	0.8	30	
Phenol	2.43	0.333	mg/kg wet	3.333		73	30-130	7	30	
Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Pyridine	1.80	1.67	mg/kg wet	3.333		54	40-140	9	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.11*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.55*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.32*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: Phenol-d6	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.86*		mg/kg wet	*3.333*		*86*	*30-130*			
Classical Chemistry										
Batch CH61817 - General Preparation										
Reference										
Flashpoint	80		°F	81.00		98	97.9-102.1			
Batch CH61910 - General Preparation										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.92	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	47.4	4.56	mg/kg wet	48.40		98	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CH61910 - General Preparation										
Reference										
Total Cyanide	50.0	4.89	mg/kg wet	48.40		103	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1608426

Notes and Definitions

Z17	Temperature is within 23 +/-2 ºC.
Z-10	Soil pH measured in water at 22.7 ºC.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608426

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date August 22, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 56686

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

8/22/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
This report may not be reproduced, except in full, without written approval from Sterling Analytical, Inc.

Sample Analysis

Work Order 16-1234

Sample	Description	Source	Taken/Time	Received
56686	1608426-01	ESS Laboratory	8/15/16	8/17/16

Parameter		Results	MDL	Method	Analyzed/Time	Tech
Sulfur, %	Less Than	0.10	0.10	ASTM D4239	08/18/16	sjr

(1) MA & CT do not certify this parameter

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608426

Turn Time **DUE 8/23/16**

Reporting Limits - _____

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Electonic Deliverables Excel Access PDF

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Co. Name: ESS LABORATORY	Project #:	Project Name: 1608426	
Contact Person: Shawn Morrell	Address:		
City:	State:	Zip:	PO #: B02409
Tel.	email: smorrell@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Total Sulfur
	8/15/16	1501	G	S	1608426-01	1	1	1	2oz	X

Analysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA:____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
8/17/16 11:52	8-17-16 1152hr		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1608426
Date Received: 8/16/2016
Project Due Date: 8/23/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No JC 8/16/16
    ESS Sample IDs:
    Analysis: TOTAL SULFUR
    TAT: 5 DAY
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOAs brought to freezer: Date: ____ Time: ____ By: ____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	61402	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61403	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61404	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	61406	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	61405	Yes	NA	Yes	VOA Vial - Methanol	MeOH	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: [signature] Date & Time: 8/16/16 1230
Reviewed By: [signature] Date & Time: 8/16/16 1337
Delivered By: [signature] 8/16/16 1337

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608426

Turn Time ____ Standard Other ____

Regulatory State: MA RI CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Reporting Limits - ____

Electonic Deliverables Excel Access PDF

Co. Name GZA
Project # 33554.90
Project Name 121 Terminal Rd. LNG
Contact Person Meg Kilpatrick
Address 530 Broadway
City Providence
State Rhode Island
Zip 02909
PO #
Tel. 401-421-4140
Fax.
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 metals	PCBs 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	pH	Flashpoint	Pesticides	Herbicides
1	8/15/16	15:01	G	S	P-11	6,1	4	AG,V	25oz.	X	X	X	X	X	X	X	X	X	X	X	X
2	8/15/16	8:00	G	S	Trip blank	1	1	✓	40mL		X										

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No
Seals Intact ____ Yes ____ No NA: X
Cooler Temperature: 1.3° ICE W

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N, Grid rates apply.

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matt Muto 8/16/16 12:26	8/16/16 1226		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1608536

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:27 pm, Aug 29, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

SAMPLE RECEIPT

The following samples were received on August 18, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1608536-01	P-27	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045
1608536-02	Trip Blank	Solid	8260B

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

1608536-01 **Present in Method Blank (B).**
Acetone

CH61927-BS1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (131% @ 70-130%)

CH61927-BS1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (67% @ 70-130%), Chloromethane (58% @ 70-130%), Diethyl Ether (63% @ 70-130%)

CH61927-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Chloroethane (64% @ 70-130%), Chloromethane (55% @ 70-130%), Diethyl Ether (55% @ 70-130%)

CZH0381-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
1,1-Dichloroethene (21% @ 20%), Chloroethane (35% @ 30%), Chloromethane (40% @ 30%), Diethyl Ether (40% @ 30%), Vinyl Chloride (28% @ 20%)

8081B Organochlorine Pesticides

CZH0417-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (25% @ 20%)

8151A Chlorinated Herbicides

CH61822-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
2,4-D [2C] (37% @ 30%), Dinoseb (80% @ 30%), Dinoseb [2C] (86% @ 30%)

8270D Semi-Volatile Organic Compounds

CH61915-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
4-Nitrophenol (32% @ 30%), Pyrene (34% @ 30%)

CZH0414-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (90% @ 80-120%), Benzoic Acid (76% @ 80-120%)

CZH0414-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Dibenzo(a,h)Anthracene (26% @ 20%)

CZH0414-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzoic Acid (24% @ 20%), Hexachlorocyclopentadiene (39% @ 20%)

CZH0437-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (104% @ 80-120%), Benzoic Acid (108% @ 80-120%)

CZH0437-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Nitroaniline (21% @ 20%)

CZH0437-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (38% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.84** (2.51)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908
Barium	**47.1** (2.51)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908
Cadmium	ND (0.50)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908
Chromium	**13.7** (1.01)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908
Lead	**29.7** (5.03)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908
Mercury	ND (0.035)		7471B		1	BJV	08/22/16 13:07	0.6	40	CH61909
Selenium	ND (0.50)		6020A		20	NAR	08/23/16 13:14	2.12	100	CH61908
Silver	ND (0.50)		6010C		1	KJK	08/26/16 21:11	2.12	100	CH61908

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	NAR	08/23/16 11:57	50	50	CH62207

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 13.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1,1-Trichloroethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1,2,2-Tetrachloroethane	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1,2-Trichloroethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1-Dichloroethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1-Dichloroethene	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,1-Dichloropropene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2,3-Trichlorobenzene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2,3-Trichloropropane	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2,4-Trichlorobenzene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2,4-Trimethylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2-Dibromo-3-Chloropropane	ND (1.28)	0.256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2-Dibromoethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2-Dichlorobenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2-Dichloroethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,2-Dichloropropane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,3,5-Trimethylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,3-Dichlorobenzene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,3-Dichloropropane	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,4-Dichlorobenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
1,4-Dioxane - Screen	ND (51.1)	48.6	8260B		1	08/19/16 17:51	CZH0381	CH61927
1-Chlorohexane	ND (0.256)	0.102	8260B		1	08/19/16 17:51	CZH0381	CH61927
2,2-Dichloropropane	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
2-Butanone	ND (1.28)	0.869	8260B		1	08/19/16 17:51	CZH0381	CH61927
2-Chlorotoluene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
2-Hexanone	ND (1.28)	0.383	8260B		1	08/19/16 17:51	CZH0381	CH61927
4-Chlorotoluene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
4-Isopropyltoluene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
4-Methyl-2-Pentanone	ND (1.28)	0.409	8260B		1	08/19/16 17:51	CZH0381	CH61927
Acetone	**B 1.74** (1.28)	0.690	8260B		1	08/19/16 17:51	CZH0381	CH61927
Benzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Bromobenzene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 13.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Bromodichloromethane	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Bromoform	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Bromomethane	ND (0.256)	0.102	8260B		1	08/19/16 17:51	CZH0381	CH61927
Carbon Disulfide	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Carbon Tetrachloride	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Chlorobenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Chloroethane	ND (0.256)	0.102	8260B		1	08/19/16 17:51	CZH0381	CH61927
Chloroform	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Chloromethane	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
cis-1,2-Dichloroethene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
cis-1,3-Dichloropropene	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Dibromochloromethane	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Dibromomethane	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Dichlorodifluoromethane	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Diethyl Ether	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Di-isopropyl ether	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Ethyl tertiary-butyl ether	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Ethylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Hexachlorobutadiene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Isopropylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Methyl tert-Butyl Ether	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
Methylene Chloride	**J 0.0588** (0.511)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Naphthalene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
n-Butylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
n-Propylbenzene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
sec-Butylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Styrene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
tert-Butylbenzene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Tertiary-amyl methyl ether	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Tetrachloroethene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Tetrahydrofuran	ND (1.28)	0.409	8260B		1	08/19/16 17:51	CZH0381	CH61927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 13.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
trans-1,2-Dichloroethene	ND (0.256)	0.0767	8260B		1	08/19/16 17:51	CZH0381	CH61927
trans-1,3-Dichloropropene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Trichloroethene	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Trichlorofluoromethane	ND (0.256)	0.102	8260B		1	08/19/16 17:51	CZH0381	CH61927
Vinyl Acetate	ND (0.256)	0.128	8260B		1	08/19/16 17:51	CZH0381	CH61927
Vinyl Chloride	ND (0.256)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Xylene O	ND (0.256)	0.0256	8260B		1	08/19/16 17:51	CZH0381	CH61927
Xylene P,M	ND (0.511)	0.0511	8260B		1	08/19/16 17:51	CZH0381	CH61927
Xylenes (Total)	ND (0.511)		8260B		1	08/19/16 17:51		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*86 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*87 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 19.5
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/22/16 15:48

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
4,4´-DDE	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
4,4´-DDT	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Aldrin	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
alpha-BHC	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
alpha-Chlordane	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
beta-BHC	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Chlordane (Total)	ND (0.0328)		8081B		1	08/23/16 4:45	CZH0417	CH62216
delta-BHC	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Dieldrin	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endosulfan I	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endosulfan II	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endosulfan Sulfate	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endrin	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endrin Aldehyde	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Endrin Ketone	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
gamma-BHC (Lindane)	ND (0.0016)		8081B		1	08/23/16 4:45	CZH0417	CH62216
gamma-Chlordane	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Heptachlor	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Heptachlor Epoxide	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Hexachlorobenzene	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Methoxychlor	ND (0.0027)		8081B		1	08/23/16 4:45	CZH0417	CH62216
Toxaphene	ND (0.137)		8081B		1	08/23/16 4:45	CZH0417	CH62216

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*80 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*83 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*78 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 19.6
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 8/19/16 16:41

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1221	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1232	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1242	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1248	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1254	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1260	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1262	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911
Aroclor 1268	ND (0.0544)		8082A		1	08/22/16 18:37		CH61911

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*81 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*77 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*64 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*70 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 8/18/16 16:56

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**62.6** (39.6)		8100M		1	08/18/16 22:10	CZH0357	CH61707

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*88 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 10.3
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/19/16 11:25

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	08/19/16 17:21	CZH0382	CH61822
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	08/19/16 17:21	CZH0382	CH61822
2,4-D	ND (0.195)		8151A		1	08/19/16 17:21	CZH0382	CH61822
2,4-DB	ND (0.197)		8151A		1	08/19/16 17:21	CZH0382	CH61822
Dalapon	ND (0.188)		8151A		1	08/19/16 17:21	CZH0382	CH61822
Dicamba	ND (0.010)		8151A		1	08/19/16 17:21	CZH0382	CH61822
Dichlorprop	ND (0.195)		8151A		1	08/19/16 17:21	CZH0382	CH61822
Dinoseb	ND (0.197)		8151A		1	08/19/16 17:21	CZH0382	CH61822
MCPA	ND (19.3)		8151A		1	08/19/16 17:21	CZH0382	CH61822
MCPP	ND (19.5)		8151A		1	08/19/16 17:21	CZH0382	CH61822

	%Recovery	Qualifier	Limits
Surrogate: DCAA	*83 %*		*30-150*
Surrogate: DCAA [2C]	*87 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 11:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
1,2,4-Trichlorobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
1,2-Dichlorobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
1,3-Dichlorobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
1,4-Dichlorobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4,5-Trichlorophenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4,6-Trichlorophenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4-Dichlorophenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4-Dimethylphenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4-Dinitrophenol	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,4-Dinitrotoluene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2,6-Dinitrotoluene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Chloronaphthalene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Chlorophenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Methylnaphthalene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Methylphenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Nitroaniline	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
2-Nitrophenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
3,3´-Dichlorobenzidine	ND (0.741)		8270D		1	08/23/16 21:01	CZH0437	CH61915
3+4-Methylphenol	ND (0.741)		8270D		1	08/23/16 21:01	CZH0437	CH61915
3-Nitroaniline	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Bromophenyl-phenylether	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Chloro-3-Methylphenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Chloroaniline	ND (0.741)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Chloro-phenyl-phenyl ether	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Nitroaniline	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
4-Nitrophenol	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Acenaphthene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Acenaphthylene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Acetophenone	ND (0.741)		8270D		1	08/23/16 21:01	CZH0437	CH61915

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 11:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.741)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Anthracene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Azobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzo(a)anthracene	**0.590** (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzo(a)pyrene	**0.519** (0.185)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzo(b)fluoranthene	**0.826** (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzo(g,h,i)perylene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzo(k)fluoranthene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzoic Acid	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Benzyl Alcohol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
bis(2-Chloroethoxy)methane	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
bis(2-Chloroethyl)ether	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
bis(2-chloroisopropyl)Ether	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
bis(2-Ethylhexyl)phthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Butylbenzylphthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Carbazole	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Chrysene	**0.532** (0.185)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Dibenzofuran	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Diethylphthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Dimethylphthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Di-n-butylphthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Di-n-octylphthalate	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Fluoranthene	**0.732** (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Fluorene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Hexachlorobenzene	ND (0.185)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Hexachlorobutadiene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Hexachloroethane	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Indeno(1,2,3-cd)Pyrene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Isophorone	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Naphthalene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 11:36

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
N-Nitrosodimethylamine	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
N-Nitroso-Di-n-Propylamine	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
N-nitrosodiphenylamine	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Pentachlorophenol	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Phenanthrene	**0.498** (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Phenol	ND (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Pyrene	**0.639** (0.370)		8270D		1	08/23/16 21:01	CZH0437	CH61915
Pyridine	ND (1.85)		8270D		1	08/23/16 21:01	CZH0437	CH61915

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*72 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*90 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*78 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: 2-Fluorophenol	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*83 %*		*30-130*
Surrogate: Phenol-d6	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*95 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**7.96** (N/A)		9045		1	JLK	08/18/16 21:05	S.U.	CH61840
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 24.0 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	EEM	08/22/16 14:50	°F	CH62231
Sulfur, Total, WT PCT	**560** (100)		§		1	SUB	08/24/16 0:00	§	CH62631
Total Cyanide	ND (1.03)		9014		1	MJV	08/19/16 12:09	mg/kg dry	CH61910

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-27
Date Sampled: 08/18/16 14:00
Percent Solids: 94
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-01
Sample Matrix: Soil
Units: °C
Analyst: KJK
Prepared: 8/19/16 17:24

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**22.1** (N/A)		1311		1	KJK	08/20/16 13:06	CH61924
Temperature (Max C)	**22.8** (N/A)		1311		1	KJK	08/20/16 13:06	CH61924
Temperature (Range)	**Temperature is within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/18/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1,1-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1,2,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1,2-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,1-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2,3-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2,3-Trichloropropane	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2,4-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2,4-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2-Dibromo-3-Chloropropane	ND (1.00)	0.200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2-Dibromoethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,2-Dichloropropane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,3,5-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,3-Dichlorobenzene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,3-Dichloropropane	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,4-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
1,4-Dioxane - Screen	ND (40.0)	38.0	8260B		1	08/19/16 13:23	CZH0381	CH61927
1-Chlorohexane	ND (0.200)	0.0800	8260B		1	08/19/16 13:23	CZH0381	CH61927
2,2-Dichloropropane	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
2-Butanone	ND (1.00)	0.680	8260B		1	08/19/16 13:23	CZH0381	CH61927
2-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
2-Hexanone	ND (1.00)	0.300	8260B		1	08/19/16 13:23	CZH0381	CH61927
4-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
4-Isopropyltoluene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
4-Methyl-2-Pentanone	ND (1.00)	0.320	8260B		1	08/19/16 13:23	CZH0381	CH61927
Acetone	ND (1.00)	0.540	8260B		1	08/19/16 13:23	CZH0381	CH61927
Benzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Bromobenzene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/18/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Bromodichloromethane	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Bromoform	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Bromomethane	ND (0.200)	0.0800	8260B		1	08/19/16 13:23	CZH0381	CH61927
Carbon Disulfide	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Carbon Tetrachloride	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Chlorobenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Chloroethane	ND (0.200)	0.0800	8260B		1	08/19/16 13:23	CZH0381	CH61927
Chloroform	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Chloromethane	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
cis-1,2-Dichloroethene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
cis-1,3-Dichloropropene	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Dibromochloromethane	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Dibromomethane	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Dichlorodifluoromethane	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Diethyl Ether	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Di-isopropyl ether	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Ethyl tertiary-butyl ether	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Ethylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Hexachlorobutadiene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Isopropylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Methyl tert-Butyl Ether	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
Methylene Chloride	ND (0.400)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Naphthalene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
n-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
n-Propylbenzene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
sec-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Styrene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
tert-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Tertiary-amyl methyl ether	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Tetrachloroethene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Tetrahydrofuran	ND (1.00)	0.320	8260B		1	08/19/16 13:23	CZH0381	CH61927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/18/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608536
ESS Laboratory Sample ID: 1608536-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: GEM

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
trans-1,2-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/19/16 13:23	CZH0381	CH61927
trans-1,3-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Trichloroethene	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Trichlorofluoromethane	ND (0.200)	0.0800	8260B		1	08/19/16 13:23	CZH0381	CH61927
Vinyl Acetate	ND (0.200)	0.100	8260B		1	08/19/16 13:23	CZH0381	CH61927
Vinyl Chloride	ND (0.200)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Xylene O	ND (0.200)	0.0200	8260B		1	08/19/16 13:23	CZH0381	CH61927
Xylene P,M	ND (0.400)	0.0400	8260B		1	08/19/16 13:23	CZH0381	CH61927
Xylenes (Total)	ND (0.400)		8260B		1	08/19/16 13:23		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*84 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*83 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CH61908 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	146	10.0	mg/kg wet	161.0		91	80-120			
Barium	340	10.0	mg/kg wet	351.0		97	80-120			
Cadmium	174	2.00	mg/kg wet	190.0		92	80-120			
Chromium	83.7	4.00	mg/kg wet	87.90		95	80-120			
Lead	137	20.0	mg/kg wet	138.0		99	80-120			
Selenium	309	25.0	mg/kg wet	305.0		101	80-120			
Silver	58.1	2.00	mg/kg wet	58.00		100	80-120			
LCS Dup										
Arsenic	148	9.80	mg/kg wet	161.0		92	80-120	1	20	
Barium	358	9.80	mg/kg wet	351.0		102	80-120	5	20	
Cadmium	179	1.96	mg/kg wet	190.0		94	80-120	3	20	
Chromium	86.5	3.92	mg/kg wet	87.90		98	80-120	3	20	
Lead	139	19.6	mg/kg wet	138.0		101	80-120	2	20	
Selenium	321	24.5	mg/kg wet	305.0		105	80-120	4	30	
Silver	59.8	1.96	mg/kg wet	58.00		103	80-120	3	20	
Batch CH61909 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	21.3	1.98	mg/kg wet	15.90		134	51-148			
LCS Dup										
Mercury	20.3	1.90	mg/kg wet	15.90		127	51-148	5	20	
1311 TCLP Metals										
Batch CH62207 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.496	0.050	mg/L	0.5000		99	80-120			
LCS Dup										
Lead	0.487	0.050	mg/L	0.5000		97	80-120	2	20	
5035/8260B Volatile Organic Compounds / Methanol										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61927 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	1.15	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61927 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.49*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.31*		mg/kg wet	*5.000*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*4.37*		mg/kg wet	*5.000*		*87*	*70-130*			
Surrogate: Toluene-d8	*4.20*		mg/kg wet	*5.000*		*84*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,1,1-Trichloroethane	1.89	0.200	mg/kg wet	2.000		94	70-130			
1,1,2,2-Tetrachloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,1,2-Trichloroethane	1.65	0.200	mg/kg wet	2.000		83	70-130			
1,1-Dichloroethane	1.81	0.200	mg/kg wet	2.000		91	70-130			
1,1-Dichloroethene	1.69	0.200	mg/kg wet	2.000		85	70-130			
1,1-Dichloropropene	1.80	0.200	mg/kg wet	2.000		90	70-130			
1,2,3-Trichlorobenzene	2.05	0.200	mg/kg wet	2.000		102	70-130			
1,2,3-Trichloropropane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2,4-Trichlorobenzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,2,4-Trimethylbenzene	1.91	0.200	mg/kg wet	2.000		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61927 - 5035										
1,2-Dibromo-3-Chloropropane	1.63	1.00	mg/kg wet	2.000		82	70-130			
1,2-Dibromoethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130			
1,2-Dichloroethane	1.89	0.200	mg/kg wet	2.000		94	70-130			
1,2-Dichloropropane	1.71	0.200	mg/kg wet	2.000		86	70-130			
1,3,5-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,3-Dichlorobenzene	2.15	0.200	mg/kg wet	2.000		108	70-130			
1,3-Dichloropropane	1.89	0.200	mg/kg wet	2.000		95	70-130			
1,4-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,4-Dioxane - Screen	49.8	40.0	mg/kg wet	40.00		125	44-241			
1-Chlorohexane	1.81	0.200	mg/kg wet	2.000		91	70-130			
2,2-Dichloropropane	1.75	0.200	mg/kg wet	2.000		88	70-130			
2-Butanone	9.30	1.00	mg/kg wet	10.00		93	70-130			
2-Chlorotoluene	1.95	0.200	mg/kg wet	2.000		98	70-130			
2-Hexanone	9.01	1.00	mg/kg wet	10.00		90	70-130			
4-Chlorotoluene	2.03	0.200	mg/kg wet	2.000		101	70-130			
4-Isopropyltoluene	2.06	0.200	mg/kg wet	2.000		103	70-130			
4-Methyl-2-Pentanone	8.92	1.00	mg/kg wet	10.00		89	70-130			
Acetone	9.23	1.00	mg/kg wet	10.00		92	70-130			
Benzene	1.70	0.200	mg/kg wet	2.000		85	70-130			
Bromobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Bromochloromethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
Bromodichloromethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
Bromoform	2.38	0.200	mg/kg wet	2.000		119	70-130			
Bromomethane	2.62	0.200	mg/kg wet	2.000		131	70-130			B+
Carbon Disulfide	1.96	0.200	mg/kg wet	2.000		98	70-130			
Carbon Tetrachloride	2.12	0.200	mg/kg wet	2.000		106	70-130			
Chlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Chloroethane	1.34	0.200	mg/kg wet	2.000		67	70-130			B-
Chloroform	1.78	0.200	mg/kg wet	2.000		89	70-130			
Chloromethane	1.16	0.200	mg/kg wet	2.000		58	70-130			B-
cis-1,2-Dichloroethene	1.83	0.200	mg/kg wet	2.000		91	70-130			
cis-1,3-Dichloropropene	1.85	0.200	mg/kg wet	2.000		93	70-130			
Dibromochloromethane	2.03	0.200	mg/kg wet	2.000		102	70-130			
Dibromomethane	1.79	0.200	mg/kg wet	2.000		90	70-130			
Dichlorodifluoromethane	1.77	0.200	mg/kg wet	2.000		88	70-130			
Diethyl Ether	1.27	0.200	mg/kg wet	2.000		63	70-130			B-
Di-isopropyl ether	1.68	0.200	mg/kg wet	2.000		84	70-130			
Ethyl tertiary-butyl ether	1.73	0.200	mg/kg wet	2.000		86	70-130			
Ethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130			
Hexachlorobutadiene	1.87	0.200	mg/kg wet	2.000		93	70-130			
Isopropylbenzene	2.07	0.200	mg/kg wet	2.000		104	70-130			
Methyl tert-Butyl Ether	1.74	0.200	mg/kg wet	2.000		87	70-130			
Methylene Chloride	1.73	0.400	mg/kg wet	2.000		87	70-130			
Naphthalene	2.03	0.200	mg/kg wet	2.000		102	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61927 - 5035										
n-Butylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
n-Propylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
sec-Butylbenzene	2.07	0.200	mg/kg wet	2.000		103	70-130			
Styrene	1.93	0.200	mg/kg wet	2.000		96	70-130			
tert-Butylbenzene	2.18	0.200	mg/kg wet	2.000		109	70-130			
Tertiary-amyl methyl ether	1.77	0.200	mg/kg wet	2.000		88	70-130			
Tetrachloroethene	1.49	0.200	mg/kg wet	2.000		74	70-130			
Tetrahydrofuran	1.80	1.00	mg/kg wet	2.000		90	70-130			
Toluene	1.73	0.200	mg/kg wet	2.000		86	70-130			
trans-1,2-Dichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130			
trans-1,3-Dichloropropene	1.79	0.200	mg/kg wet	2.000		90	70-130			
Trichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130			
Vinyl Acetate	1.65	0.200	mg/kg wet	2.000		82	70-130			
Vinyl Chloride	1.62	0.200	mg/kg wet	2.000		81	70-130			
Xylene O	1.98	0.200	mg/kg wet	2.000		99	70-130			
Xylene P,M	4.00	0.400	mg/kg wet	4.000		100	70-130			
Xylenes (Total)	5.98	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.75*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.82*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*5.05*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Toluene-d8	*4.64*		mg/kg wet	*5.000*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
1,1,1-Trichloroethane	1.85	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,1,2,2-Tetrachloroethane	1.71	0.200	mg/kg wet	2.000		85	70-130	9	25	
1,1,2-Trichloroethane	1.55	0.200	mg/kg wet	2.000		77	70-130	7	25	
1,1-Dichloroethane	1.69	0.200	mg/kg wet	2.000		84	70-130	7	25	
1,1-Dichloroethene	1.60	0.200	mg/kg wet	2.000		80	70-130	5	25	
1,1-Dichloropropene	1.78	0.200	mg/kg wet	2.000		89	70-130	0.9	25	
1,2,3-Trichlorobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130	6	25	
1,2,3-Trichloropropane	1.91	0.200	mg/kg wet	2.000		96	70-130	1	25	
1,2,4-Trichlorobenzene	1.83	0.200	mg/kg wet	2.000		91	70-130	8	25	
1,2,4-Trimethylbenzene	1.91	0.200	mg/kg wet	2.000		95	70-130	0	25	
1,2-Dibromo-3-Chloropropane	1.74	1.00	mg/kg wet	2.000		87	70-130	6	25	
1,2-Dibromoethane	1.77	0.200	mg/kg wet	2.000		89	70-130	9	25	
1,2-Dichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	5	25	
1,2-Dichloroethane	1.83	0.200	mg/kg wet	2.000		92	70-130	3	25	
1,2-Dichloropropane	1.64	0.200	mg/kg wet	2.000		82	70-130	4	25	
1,3,5-Trimethylbenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	9	25	
1,3-Dichlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	8	25	
1,3-Dichloropropane	1.84	0.200	mg/kg wet	2.000		92	70-130	3	25	
1,4-Dichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	4	25	
1,4-Dioxane - Screen	38.0	40.0	mg/kg wet	40.00		95	44-241	27	200	J
1-Chlorohexane	1.76	0.200	mg/kg wet	2.000		88	70-130	3	25	
2,2-Dichloropropane	1.69	0.200	mg/kg wet	2.000		84	70-130	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CH61927 - 5035										
2-Butanone	8.22	1.00	mg/kg wet	10.00		82	70-130	12	25	
2-Chlorotoluene	1.90	0.200	mg/kg wet	2.000		95	70-130	2	25	
2-Hexanone	8.47	1.00	mg/kg wet	10.00		85	70-130	6	25	
4-Chlorotoluene	1.89	0.200	mg/kg wet	2.000		94	70-130	7	25	
4-Isopropyltoluene	1.98	0.200	mg/kg wet	2.000		99	70-130	4	25	
4-Methyl-2-Pentanone	7.80	1.00	mg/kg wet	10.00		78	70-130	13	25	
Acetone	8.34	1.00	mg/kg wet	10.00		83	70-130	10	25	
Benzene	1.64	0.200	mg/kg wet	2.000		82	70-130	4	25	
Bromobenzene	2.03	0.200	mg/kg wet	2.000		101	70-130	0.3	25	
Bromochloromethane	1.81	0.200	mg/kg wet	2.000		90	70-130	2	25	
Bromodichloromethane	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
Bromoform	2.33	0.200	mg/kg wet	2.000		117	70-130	2	25	
Bromomethane	2.25	0.200	mg/kg wet	2.000		112	70-130	15	25	
Carbon Disulfide	1.82	0.200	mg/kg wet	2.000		91	70-130	8	25	
Carbon Tetrachloride	2.05	0.200	mg/kg wet	2.000		102	70-130	3	25	
Chlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	2	25	
Chloroethane	1.27	0.200	mg/kg wet	2.000		64	70-130	6	25	B-
Chloroform	1.71	0.200	mg/kg wet	2.000		86	70-130	4	25	
Chloromethane	1.11	0.200	mg/kg wet	2.000		55	70-130	5	25	B-
cis-1,2-Dichloroethene	1.63	0.200	mg/kg wet	2.000		82	70-130	11	25	
cis-1,3-Dichloropropene	1.78	0.200	mg/kg wet	2.000		89	70-130	4	25	
Dibromochloromethane	1.93	0.200	mg/kg wet	2.000		96	70-130	5	25	
Dibromomethane	1.66	0.200	mg/kg wet	2.000		83	70-130	8	25	
Dichlorodifluoromethane	1.69	0.200	mg/kg wet	2.000		84	70-130	5	25	
Diethyl Ether	1.11	0.200	mg/kg wet	2.000		55	70-130	13	25	B-
Di-isopropyl ether	1.62	0.200	mg/kg wet	2.000		81	70-130	4	25	
Ethyl tertiary-butyl ether	1.69	0.200	mg/kg wet	2.000		84	70-130	3	25	
Ethylbenzene	1.81	0.200	mg/kg wet	2.000		90	70-130	3	25	
Hexachlorobutadiene	1.74	0.200	mg/kg wet	2.000		87	70-130	7	25	
Isopropylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	7	25	
Methyl tert-Butyl Ether	1.57	0.200	mg/kg wet	2.000		78	70-130	11	25	
Methylene Chloride	1.59	0.400	mg/kg wet	2.000		79	70-130	9	25	
Naphthalene	1.79	0.200	mg/kg wet	2.000		90	70-130	13	25	
n-Butylbenzene	1.83	0.200	mg/kg wet	2.000		92	70-130	7	25	
n-Propylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130	5	25	
sec-Butylbenzene	1.91	0.200	mg/kg wet	2.000		96	70-130	8	25	
Styrene	1.87	0.200	mg/kg wet	2.000		94	70-130	3	25	
tert-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	11	25	
Tertiary-amyl methyl ether	1.66	0.200	mg/kg wet	2.000		83	70-130	7	25	
Tetrachloroethene	1.47	0.200	mg/kg wet	2.000		73	70-130	1	25	
Tetrahydrofuran	1.44	1.00	mg/kg wet	2.000		72	70-130	22	25	
Toluene	1.65	0.200	mg/kg wet	2.000		82	70-130	5	25	
trans-1,2-Dichloroethene	1.74	0.200	mg/kg wet	2.000		87	70-130	4	25	
trans-1,3-Dichloropropene	1.69	0.200	mg/kg wet	2.000		84	70-130	6	25	
Trichloroethene	1.63	0.200	mg/kg wet	2.000		81	70-130	10	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH61927 - 5035										
Vinyl Acetate	1.58	0.200	mg/kg wet	2.000		79	70-130	4	25	
Vinyl Chloride	1.42	0.200	mg/kg wet	2.000		71	70-130	13	25	
Xylene O	1.95	0.200	mg/kg wet	2.000		98	70-130	1	25	
Xylene P,M	3.96	0.400	mg/kg wet	4.000		99	70-130	1	25	
Xylenes (Total)	5.91	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.80*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.94*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*4.90*		mg/kg wet	*5.000*		*98*	*70-130*			
Surrogate: Toluene-d8	*4.78*		mg/kg wet	*5.000*		*96*	*70-130*			
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0135*		mg/kg wet	*0.01250*		*108*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0124*		mg/kg wet	*0.01250*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0117*		mg/kg wet	*0.01250*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0122*		mg/kg wet	*0.01250*		*98*	*30-150*			
LCS										
4,4´-DDD	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
4,4´-DDD [2C]	0.0106	0.0025	mg/kg wet	0.01250		85	40-140			
4,4´-DDE	0.0107	0.0025	mg/kg wet	0.01250		85	40-140			
4,4´-DDE [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
4,4´-DDT	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
4,4´-DDT [2C]	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Aldrin	0.0121	0.0025	mg/kg wet	0.01250		97	40-140			
Aldrin [2C]	0.0123	0.0025	mg/kg wet	0.01250		99	40-140			
alpha-BHC	0.0117	0.0025	mg/kg wet	0.01250		93	40-140			
alpha-BHC [2C]	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
alpha-Chlordane	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
alpha-Chlordane [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
beta-BHC	0.0103	0.0025	mg/kg wet	0.01250		82	40-140			
beta-BHC [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
delta-BHC	0.0089	0.0025	mg/kg wet	0.01250		71	40-140			
delta-BHC [2C]	0.0090	0.0025	mg/kg wet	0.01250		72	40-140			
Dieldrin	0.0122	0.0025	mg/kg wet	0.01250		98	40-140			
Dieldrin [2C]	0.0123	0.0025	mg/kg wet	0.01250		98	40-140			
Endosulfan I	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Endosulfan I [2C]	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Endosulfan II	0.0112	0.0025	mg/kg wet	0.01250		90	40-140			
Endosulfan II [2C]	0.0107	0.0025	mg/kg wet	0.01250		85	40-140			
Endosulfan Sulfate	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Endosulfan Sulfate [2C]	0.0107	0.0025	mg/kg wet	0.01250		86	40-140			
Endrin	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Endrin [2C]	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Endrin Aldehyde	0.0113	0.0025	mg/kg wet	0.01250		91	40-140			
Endrin Aldehyde [2C]	0.0100	0.0025	mg/kg wet	0.01250		80	40-140			
Endrin Ketone	0.0121	0.0025	mg/kg wet	0.01250		97	40-140			
Endrin Ketone [2C]	0.0112	0.0025	mg/kg wet	0.01250		90	40-140			
gamma-BHC (Lindane)	0.0114	0.0015	mg/kg wet	0.01250		91	40-140			
gamma-BHC (Lindane) [2C]	0.0112	0.0015	mg/kg wet	0.01250		90	40-140			
gamma-Chlordane	0.0117	0.0025	mg/kg wet	0.01250		94	40-140			
gamma-Chlordane [2C]	0.0118	0.0025	mg/kg wet	0.01250		95	40-140			
Heptachlor	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Heptachlor [2C]	0.0116	0.0025	mg/kg wet	0.01250		92	40-140			
Heptachlor Epoxide	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
Heptachlor Epoxide [2C]	0.0123	0.0025	mg/kg wet	0.01250		99	40-140			
Hexachlorobenzene	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
Hexachlorobenzene [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
Methoxychlor	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
Methoxychlor [2C]	0.0108	0.0025	mg/kg wet	0.01250		87	40-140			
Surrogate: Decachlorobiphenyl	*0.0118*		mg/kg wet	*0.01250*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0109*		mg/kg wet	*0.01250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0107*		mg/kg wet	*0.01250*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0119*		mg/kg wet	*0.01250*		*95*	*30-150*			
LCS Dup										
4,4´-DDD	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	20	30	
4,4´-DDD [2C]	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	20	30	
4,4´-DDE	0.0132	0.0025	mg/kg wet	0.01250		106	40-140	21	30	
4,4´-DDE [2C]	0.0133	0.0025	mg/kg wet	0.01250		107	40-140	19	30	
4,4´-DDT	0.0151	0.0025	mg/kg wet	0.01250		121	40-140	22	30	
4,4´-DDT [2C]	0.0142	0.0025	mg/kg wet	0.01250		114	40-140	22	30	
Aldrin	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	4	30	
Aldrin [2C]	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	3	30	
alpha-BHC	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	8	30	
alpha-BHC [2C]	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	7	30	
alpha-Chlordane	0.0124	0.0025	mg/kg wet	0.01250		99	40-140	8	30	
alpha-Chlordane [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	8	30	
beta-BHC	0.0121	0.0025	mg/kg wet	0.01250		97	40-140	16	30	
beta-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	14	30	
delta-BHC	0.0108	0.0025	mg/kg wet	0.01250		87	40-140	20	30	
delta-BHC [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	19	30	
Dieldrin	0.0137	0.0025	mg/kg wet	0.01250		110	40-140	12	30	
Dieldrin [2C]	0.0138	0.0025	mg/kg wet	0.01250		110	40-140	11	30	
Endosulfan I	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	12	30	
Endosulfan I [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140	9	30	
Endosulfan II	0.0135	0.0025	mg/kg wet	0.01250		108	40-140	18	30	
Endosulfan II [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	19	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Endosulfan Sulfate	0.0143	0.0025	mg/kg wet	0.01250		114	40-140	21	30	
Endosulfan Sulfate [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	20	30	
Endrin	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	15	30	
Endrin [2C]	0.0133	0.0025	mg/kg wet	0.01250		106	40-140	15	30	
Endrin Aldehyde	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	20	30	
Endrin Aldehyde [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	20	30	
Endrin Ketone	0.0148	0.0025	mg/kg wet	0.01250		118	40-140	20	30	
Endrin Ketone [2C]	0.0137	0.0025	mg/kg wet	0.01250		109	40-140	19	30	
gamma-BHC (Lindane)	0.0123	0.0015	mg/kg wet	0.01250		99	40-140	8	30	
gamma-BHC (Lindane) [2C]	0.0122	0.0015	mg/kg wet	0.01250		97	40-140	8	30	
gamma-Chlordane	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	9	30	
gamma-Chlordane [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	8	30	
Heptachlor	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	7	30	
Heptachlor [2C]	0.0123	0.0025	mg/kg wet	0.01250		98	40-140	6	30	
Heptachlor Epoxide	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	6	30	
Heptachlor Epoxide [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	6	30	
Hexachlorobenzene	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	7	30	
Hexachlorobenzene [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	7	30	
Methoxychlor	0.0149	0.0025	mg/kg wet	0.01250		119	40-140	22	30	
Methoxychlor [2C]	0.0135	0.0025	mg/kg wet	0.01250		108	40-140	22	30	
Surrogate: Decachlorobiphenyl	*0.0141*		mg/kg wet	*0.01250*		*112*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0128*		mg/kg wet	*0.01250*		*102*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0109*		mg/kg wet	*0.01250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0122*		mg/kg wet	*0.01250*		*98*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61911 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0208*		mg/kg wet	*0.02500*		*83*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0190*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0178*		mg/kg wet	*0.02500*		*71*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0184*		mg/kg wet	*0.02500*		*73*	*30-150*			
LCS										
Aroclor 1016	0.465	0.0500	mg/kg wet	0.5000		93	40-140			

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61911 - 3540C										
Aroclor 1260	0.477	0.0500	mg/kg wet	0.5000		95	40-140			
Surrogate: Decachlorobiphenyl	*0.0215*		mg/kg wet	*0.02500*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0190*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0189*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0181*		mg/kg wet	*0.02500*		*72*	*30-150*			
LCS Dup										
Aroclor 1016	0.447	0.0500	mg/kg wet	0.5000		89	40-140	4	30	
Aroclor 1260	0.460	0.0500	mg/kg wet	0.5000		92	40-140	4	30	
Surrogate: Decachlorobiphenyl	*0.0212*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0194*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0183*		mg/kg wet	*0.02500*		*73*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0174*		mg/kg wet	*0.02500*		*70*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CH61707 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.47*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		72	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140			

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8100M Total Petroleum Hydrocarbons										
Batch CH61707 - 3546										
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Total Petroleum Hydrocarbons	30.0	37.5	mg/kg wet	35.00		86	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Surrogate: O-Terphenyl	*4.40*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		82	40-140	14	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		88	40-140	10	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		95	40-140	4	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		93	40-140	6	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		70	30-140	16	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140	2	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		92	40-140	4	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		94	40-140	2	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		92	40-140	10	25	
Total Petroleum Hydrocarbons	31.7	37.5	mg/kg wet	35.00		91	40-140	6	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Surrogate: O-Terphenyl	*4.59*		mg/kg wet	*5.000*		*92*	*40-140*			
8151A Chlorinated Herbicides										
Batch CH61822 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							

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8151A Chlorinated Herbicides										
Batch CH61822 - 3546										
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*12.8*		mg/kg wet	*20.00*		*64*	*30-150*			
Surrogate: DCAA [2C]	*13.5*		mg/kg wet	*20.00*		*67*	*30-150*			
LCS										
2,4,5-T	0.013	0.010	mg/kg wet	0.01900		68	40-140			
2,4,5-T [2C]	0.015	0.010	mg/kg wet	0.01900		78	40-140			
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		76	40-140			
2,4,5-TP (Silvex) [2C]	0.014	0.010	mg/kg wet	0.01900		76	40-140			
2,4-D	0.153	0.188	mg/kg wet	0.1880		81	40-140			
2,4-D [2C]	0.141	0.188	mg/kg wet	0.1880		75	40-140			
2,4-DB	0.176	0.190	mg/kg wet	0.1900		93	40-140			
2,4-DB [2C]	0.180	0.190	mg/kg wet	0.1900		95	40-140			
Dalapon	0.215	0.182	mg/kg wet	0.4550		47	40-140			
Dalapon [2C]	0.269	0.182	mg/kg wet	0.4550		59	40-140			
Dicamba	0.013	0.009	mg/kg wet	0.01880		70	40-140			
Dicamba [2C]	0.013	0.009	mg/kg wet	0.01880		70	40-140			
Dichlorprop	0.137	0.188	mg/kg wet	0.1880		73	40-140			
Dichlorprop [2C]	0.161	0.188	mg/kg wet	0.1880		85	40-140			
Dinoseb	0.013	0.190	mg/kg wet	0.09500		14	10-100			
Dinoseb [2C]	0.013	0.190	mg/kg wet	0.09500		14	10-100			
MCPA	12.8	18.6	mg/kg wet	18.60		69	40-140			
MCPA [2C]	17.5	18.6	mg/kg wet	18.60		94	40-140			
MCPP	13.3	18.8	mg/kg wet	18.80		71	40-140			
MCPP [2C]	15.1	18.8	mg/kg wet	18.80		81	40-140			
Surrogate: DCAA	*18.6*		mg/kg wet	*20.00*		*93*	*30-150*			
Surrogate: DCAA [2C]	*20.7*		mg/kg wet	*20.00*		*104*	*30-150*			
LCS Dup										
2,4,5-T	0.017	0.010	mg/kg wet	0.01900		90	40-140	28	30	
2,4,5-T [2C]	0.018	0.010	mg/kg wet	0.01900		96	40-140	21	30	
2,4,5-TP (Silvex)	0.016	0.010	mg/kg wet	0.01900		86	40-140	12	30	
2,4,5-TP (Silvex) [2C]	0.016	0.010	mg/kg wet	0.01900		84	40-140	10	30	
2,4-D	0.206	0.188	mg/kg wet	0.1880		109	40-140	29	30	
2,4-D [2C]	0.205	0.188	mg/kg wet	0.1880		109	40-140	37	30	D+
2,4-DB	0.206	0.190	mg/kg wet	0.1900		109	40-140	16	30	
2,4-DB [2C]	0.201	0.190	mg/kg wet	0.1900		106	40-140	11	30	
Dalapon	0.262	0.182	mg/kg wet	0.4550		58	40-140	20	30	
Dalapon [2C]	0.323	0.182	mg/kg wet	0.4550		71	40-140	18	30	
Dicamba	0.014	0.009	mg/kg wet	0.01880		74	40-140	6	30	
Dicamba [2C]	0.016	0.009	mg/kg wet	0.01880		86	40-140	21	30	
Dichlorprop	0.168	0.188	mg/kg wet	0.1880		90	40-140	20	30	
Dichlorprop [2C]	0.201	0.188	mg/kg wet	0.1880		107	40-140	22	30	
Dinoseb	0.031	0.190	mg/kg wet	0.09500		33	10-100	80	30	D+
Dinoseb [2C]	0.032	0.190	mg/kg wet	0.09500		34	10-100	86	30	D+

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8151A Chlorinated Herbicides										
Batch CH61822 - 3546										
MCPA	16.9	18.6	mg/kg wet	18.60		91	40-140	27	30	
MCPA [2C]	18.1	18.6	mg/kg wet	18.60		97	40-140	3	30	
MCPP	16.1	18.8	mg/kg wet	18.80		86	40-140	19	30	
MCPP [2C]	17.8	18.8	mg/kg wet	18.80		95	40-140	16	30	
Surrogate: DCAA	*17.4*		mg/kg wet	*20.00*		*87*	*30-150*			
Surrogate: DCAA [2C]	*19.4*		mg/kg wet	*20.00*		*97*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.65*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.35*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*4.40*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.88*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Phenol-d6	*4.60*		mg/kg wet	*5.000*		*92*	*30-130*			

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Surrogate: p-Terphenyl-d14	*3.69*		mg/kg wet	*3.333*		*111*	*30-130*			
LCS										
1,1-Biphenyl	2.57	0.333	mg/kg wet	3.333		77	40-140			
1,2,4-Trichlorobenzene	2.45	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,3-Dichlorobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140			
1,4-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140			
2,3,4,6-Tetrachlorophenol	1.99	1.67	mg/kg wet	3.333		60	30-130			
2,4,5-Trichlorophenol	2.69	0.333	mg/kg wet	3.333		81	30-130			
2,4,6-Trichlorophenol	2.78	0.333	mg/kg wet	3.333		83	30-130			
2,4-Dichlorophenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130			
2,4-Dinitrophenol	1.67	1.67	mg/kg wet	3.333		50	30-130			
2,4-Dinitrotoluene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2,6-Dinitrotoluene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Chloronaphthalene	2.42	0.333	mg/kg wet	3.333		72	40-140			
2-Chlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
2-Methylnaphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
2-Nitroaniline	2.37	0.333	mg/kg wet	3.333		71	40-140			
2-Nitrophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
3,3´-Dichlorobenzidine	2.95	0.667	mg/kg wet	3.333		89	40-140			
3+4-Methylphenol	5.17	0.667	mg/kg wet	6.667		78	30-130			
3-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140			
4,6-Dinitro-2-Methylphenol	2.37	1.67	mg/kg wet	3.333		71	30-130			
4-Bromophenyl-phenylether	2.90	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
4-Chloroaniline	2.23	0.667	mg/kg wet	3.333		67	40-140			
4-Chloro-phenyl-phenyl ether	2.48	0.333	mg/kg wet	3.333		75	40-140			
4-Nitroaniline	2.56	0.333	mg/kg wet	3.333		77	40-140			
4-Nitrophenol	2.04	1.67	mg/kg wet	3.333		61	30-130			
Acenaphthene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Acetophenone	2.52	0.667	mg/kg wet	3.333		76	40-140			
Aniline	2.25	0.667	mg/kg wet	3.333		67	40-140			
Anthracene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Azobenzene	3.10	0.333	mg/kg wet	3.333		93	40-140			
Benzo(a)anthracene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)pyrene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Benzo(b)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	2.98	0.333	mg/kg wet	3.333		89	40-140			
Benzo(k)fluoranthene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Benzoic Acid	1.46	1.67	mg/kg wet	3.333		44	40-140			
Benzyl Alcohol	2.61	0.333	mg/kg wet	3.333		78	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
bis(2-Chloroethoxy)methane	2.53	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Chloroethyl)ether	2.66	0.333	mg/kg wet	3.333		80	40-140			
bis(2-chloroisopropyl)Ether	2.51	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Ethylhexyl)phthalate	2.59	0.333	mg/kg wet	3.333		78	40-140			
Butylbenzylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Carbazole	2.48	0.333	mg/kg wet	3.333		75	40-140			
Chrysene	2.40	0.167	mg/kg wet	3.333		72	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.32	0.333	mg/kg wet	3.333		69	40-140			
Diethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Dimethylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140			
Di-n-butylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140			
Di-n-octylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Fluoranthene	2.52	0.333	mg/kg wet	3.333		75	40-140			
Fluorene	2.35	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorobenzene	2.73	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.40	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorocyclopentadiene	1.91	1.67	mg/kg wet	3.333		57	40-140			
Hexachloroethane	2.38	0.333	mg/kg wet	3.333		71	40-140			
Indeno(1,2,3-cd)Pyrene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Isophorone	2.51	0.333	mg/kg wet	3.333		75	40-140			
Naphthalene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Nitrobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140			
N-Nitrosodimethylamine	2.47	0.333	mg/kg wet	3.333		74	40-140			
N-Nitroso-Di-n-Propylamine	2.70	0.333	mg/kg wet	3.333		81	40-140			
N-nitrosodiphenylamine	2.88	0.333	mg/kg wet	3.333		86	40-140			
Pentachlorophenol	2.39	1.67	mg/kg wet	3.333		72	30-130			
Phenanthrene	2.47	0.333	mg/kg wet	3.333		74	40-140			
Phenol	2.63	0.333	mg/kg wet	3.333		79	30-130			
Pyrene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Pyridine	2.03	1.67	mg/kg wet	3.333		61	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.96*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.41*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorophenol	*4.46*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
Surrogate: Phenol-d6	*4.70*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.57	0.333	mg/kg wet	3.333		77	40-140	0.2	30	
1,2,4-Trichlorobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140	5	30	
1,2-Dichlorobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140	7	30	
1,3-Dichlorobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140	5	30	
1,4-Dichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
2,3,4,6-Tetrachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	25	30	
2,4,5-Trichlorophenol	3.03	0.333	mg/kg wet	3.333		91	30-130	12	30	
2,4,6-Trichlorophenol	2.98	0.333	mg/kg wet	3.333		89	30-130	7	30	
2,4-Dichlorophenol	2.82	0.333	mg/kg wet	3.333		85	30-130	13	30	
2,4-Dimethylphenol	2.99	0.333	mg/kg wet	3.333		90	30-130	11	30	
2,4-Dinitrophenol	1.75	1.67	mg/kg wet	3.333		53	30-130	5	30	
2,4-Dinitrotoluene	2.91	0.333	mg/kg wet	3.333		87	40-140	24	30	
2,6-Dinitrotoluene	2.77	0.333	mg/kg wet	3.333		83	40-140	18	30	
2-Chloronaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140	2	30	
2-Chlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130	10	30	
2-Methylnaphthalene	2.62	0.333	mg/kg wet	3.333		79	40-140	13	30	
2-Methylphenol	2.94	0.333	mg/kg wet	3.333		88	30-130	14	30	
2-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140	16	30	
2-Nitrophenol	2.96	0.333	mg/kg wet	3.333		89	30-130	10	30	
3,3´-Dichlorobenzidine	3.09	0.667	mg/kg wet	3.333		93	40-140	5	30	
3+4-Methylphenol	6.05	0.667	mg/kg wet	6.667		91	30-130	16	30	
3-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	22	30	
4,6-Dinitro-2-Methylphenol	2.24	1.67	mg/kg wet	3.333		67	30-130	6	30	
4-Bromophenyl-phenylether	3.02	0.333	mg/kg wet	3.333		90	40-140	4	30	
4-Chloro-3-Methylphenol	3.09	0.333	mg/kg wet	3.333		93	30-130	29	30	
4-Chloroaniline	2.62	0.667	mg/kg wet	3.333		79	40-140	16	30	
4-Chloro-phenyl-phenyl ether	2.85	0.333	mg/kg wet	3.333		86	40-140	14	30	
4-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	9	30	
4-Nitrophenol	2.81	1.67	mg/kg wet	3.333		84	30-130	32	30	D+
Acenaphthene	2.64	0.333	mg/kg wet	3.333		79	40-140	6	30	
Acenaphthylene	2.58	0.333	mg/kg wet	3.333		77	40-140	6	30	
Acetophenone	2.84	0.667	mg/kg wet	3.333		85	40-140	12	30	
Aniline	2.50	0.667	mg/kg wet	3.333		75	40-140	11	30	
Anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140	8	30	
Azobenzene	3.12	0.333	mg/kg wet	3.333		94	40-140	0.6	30	
Benzo(a)anthracene	2.80	0.333	mg/kg wet	3.333		84	40-140	8	30	
Benzo(a)pyrene	2.88	0.167	mg/kg wet	3.333		86	40-140	7	30	
Benzo(b)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzo(g,h,i)perylene	3.20	0.333	mg/kg wet	3.333		96	40-140	7	30	
Benzo(k)fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140	9	30	
Benzoic Acid	1.72	1.67	mg/kg wet	3.333		52	40-140	16	30	
Benzyl Alcohol	3.04	0.333	mg/kg wet	3.333		91	40-140	15	30	
bis(2-Chloroethoxy)methane	2.78	0.333	mg/kg wet	3.333		84	40-140	9	30	
bis(2-Chloroethyl)ether	2.87	0.333	mg/kg wet	3.333		86	40-140	8	30	
bis(2-chloroisopropyl)Ether	2.75	0.333	mg/kg wet	3.333		82	40-140	9	30	
bis(2-Ethylhexyl)phthalate	3.21	0.333	mg/kg wet	3.333		96	40-140	21	30	
Butylbenzylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	23	30	
Carbazole	2.63	0.333	mg/kg wet	3.333		79	40-140	6	30	
Chrysene	2.54	0.167	mg/kg wet	3.333		76	40-140	6	30	
Dibenzo(a,h)Anthracene	3.29	0.167	mg/kg wet	3.333		99	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Dibenzofuran	2.55	0.333	mg/kg wet	3.333		76	40-140	9	30	
Diethylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140	23	30	
Dimethylphthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	17	30	
Di-n-butylphthalate	3.43	0.333	mg/kg wet	3.333		103	40-140	15	30	
Di-n-octylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	9	30	
Fluoranthene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.6	30	
Fluorene	2.74	0.333	mg/kg wet	3.333		82	40-140	15	30	
Hexachlorobenzene	2.84	0.167	mg/kg wet	3.333		85	40-140	4	30	
Hexachlorobutadiene	2.48	0.333	mg/kg wet	3.333		74	40-140	3	30	
Hexachlorocyclopentadiene	1.76	1.67	mg/kg wet	3.333		53	40-140	8	30	
Hexachloroethane	2.54	0.333	mg/kg wet	3.333		76	40-140	6	30	
Indeno(1,2,3-cd)Pyrene	3.19	0.333	mg/kg wet	3.333		96	40-140	7	30	
Isophorone	2.81	0.333	mg/kg wet	3.333		84	40-140	11	30	
Naphthalene	2.67	0.333	mg/kg wet	3.333		80	40-140	6	30	
Nitrobenzene	2.77	0.333	mg/kg wet	3.333		83	40-140	5	30	
N-Nitrosodimethylamine	2.53	0.333	mg/kg wet	3.333		76	40-140	2	30	
N-Nitroso-Di-n-Propylamine	3.12	0.333	mg/kg wet	3.333		94	40-140	14	30	
N-nitrosodiphenylamine	3.05	0.333	mg/kg wet	3.333		92	40-140	6	30	
Pentachlorophenol	2.47	1.67	mg/kg wet	3.333		74	30-130	3	30	
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140	8	30	
Phenol	2.96	0.333	mg/kg wet	3.333		89	30-130	12	30	
Pyrene	3.69	0.333	mg/kg wet	3.333		111	40-140	34	30	D+
Pyridine	1.97	1.67	mg/kg wet	3.333		59	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.64*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.11*		mg/kg wet	*5.000*		*102*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2-Fluorophenol	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.03*		mg/kg wet	*3.333*		*91*	*30-130*			
Surrogate: Phenol-d6	*5.06*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.96*		mg/kg wet	*3.333*		*119*	*30-130*			
Classical Chemistry										
Batch CH61910 - General Preparation										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.92	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	47.4	4.56	mg/kg wet	48.40		98	36.1577-206.612			
Reference										
Total Cyanide	50.0	4.89	mg/kg wet	48.40		103	36.1577-206.612			
Batch CH62231 - General Preparation										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CH62231 - General Preparation										
Reference										
Flashpoint	81		°F	81.00		100	97.9-102.1			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1608536

Notes and Definitions

Z17	Temperature is within 23 +/-2 ºC.
Z-10	Soil pH measured in water at 24.0 ºC.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
B	Present in Method Blank (B).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608536

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sterling Analytical, Inc.
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West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date August 25, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Sample

Samples Analyzed

Enclosed are Report No(s): 56742

****Results reported on 'dry basis'.**

Blank = <0.05mg/kg

LCS 0.100 = 0.091mg/kg

ICV 1.00 = 1.01mg/kg

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

8/25/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
This report may not be reproduced, except in full, without written approval from Sterling Analytical, Inc.

Sample Analysis

Work Order 16-1260

Sample	Description	Source	Taken/Time	Received
56742	1608536-01	ESS Laboratory	8/18/16	8/22/16

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	560	mg/kg	100.00	Special method	08/24/16	dfp

(1) MA & CT do not certify this parameter

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608536

Turn Time **DUE 8/25/16**

Reporting Limits - **RDEC**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electonic Deliverables Excel Access PDF

Co. Name	ESS LABORATORY
Contact Person	Shawn Morrell
Project #	
Project Name	1608536
Address	
City	
State	
Zip	
PO #	B02409
Tel.	
email:	smorrell@thielsch.com

Analysis: Total Sulfur 6010

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Total Sulfur 6010
	8/18/16	1400	G	S	1608536-01	1	1	AG	4 oz	X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA:____

Cooler Temperature: _____

Internal Use Only

[✓] Pickup

[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
8/22/16 14:55			8/22/16
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
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CHAIN OF CUSTODY

ESS Lab # 1608536

Turn Time (Standard) Other_____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electonic Deliverables (Excel) Access (PDF)

Co. Name GZA

Project # 33554.90

Project Name 121 Terminal Rd. Access Road

Contact Person Meg Kilpatrick

Address 530 Broadway

City Providence

State RI

Zip 02909

PO #

Tel. 401-421-4140

Fax.

email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	TPH 8100	RCRA 8 Metals	PCBs 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	pH	Flashpoint	Pesticides	Herbicides
1	8/18/16	14:00	G	S	P-27	6,1	4	AG,V	25 oz.	X	X	X	X	X	X	X	X	X	X	X	X
2	8/18/16	9:00	G	S	Trip Blank	1	1	V	40mL	X											

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____No

Seals Intact ____Yes ____No NA: X

Cooler Temperature: 1.3°C

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: Matthew Muto

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matt Muto 8/18/16 1521	8/18/16 1521		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1608574

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:35 pm, Aug 29, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

SAMPLE RECEIPT

The following samples were received on August 19, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1608574-01	P-38	Soil	§, 1010, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045
1608574-02	Trip Blank	Solid	8260B

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

PROJECT NARRATIVE

8081B Organochlorine Pesticides

CZH0417-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (25% @ 20%)

8100M Total Petroleum Hydrocarbons

CZH0402-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Triacontane (C30) (26% @ 20%)

8151A Chlorinated Herbicides

CH62248-BSD1 **Blank Spike recovery is above upper control limit (B+).**
MCPA (238% @ 40-140%)

CH62248-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Dinoseb (34% @ 30%), MCPA (104% @ 30%)

8270D Semi-Volatile Organic Compounds

CH61915-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
4-Nitrophenol (32% @ 30%), Pyrene (34% @ 30%)

CZH0414-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (90% @ 80-120%), Benzoic Acid (76% @ 80-120%)

CZH0414-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Dibenzo(a,h)Anthracene (26% @ 20%)

CZH0414-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzoic Acid (24% @ 20%), Hexachlorocyclopentadiene (39% @ 20%)

CZH0437-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (104% @ 80-120%), Benzoic Acid (108% @ 80-120%)

CZH0437-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Nitroaniline (21% @ 20%)

CZH0437-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (38% @ 20%)

Total Metals

1608574-01 **Present in Method Blank (B).**
Barium

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.97** (2.64)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202
Barium	**B 45.4** (2.64)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202
Cadmium	ND (0.53)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202
Chromium	**9.02** (1.06)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202
Lead	**44.6** (5.29)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202
Mercury	**0.178** (0.034)		7471B		1	BJV	08/24/16 11:43	0.63	40	CH62204
Selenium	ND (0.53)		6020A		20	NAR	08/23/16 16:02	2.05	100	CH62202
Silver	ND (0.53)		6010C		1	KJK	08/27/16 1:33	2.05	100	CH62202

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1,1-Trichloroethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1,2,2-Tetrachloroethane	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1,2-Trichloroethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1-Dichloroethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1-Dichloroethene	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,1-Dichloropropene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2,3-Trichlorobenzene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2,3-Trichloropropane	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2,4-Trichlorobenzene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2,4-Trimethylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2-Dibromo-3-Chloropropane	ND (1.17)	0.235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2-Dibromoethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2-Dichlorobenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2-Dichloroethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,2-Dichloropropane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,3,5-Trimethylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,3-Dichlorobenzene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,3-Dichloropropane	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,4-Dichlorobenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
1,4-Dioxane - Screen	ND (47.0)	44.6	8260B		1	08/23/16 18:57	CZH0432	CH62329
1-Chlorohexane	ND (0.235)	0.0939	8260B		1	08/23/16 18:57	CZH0432	CH62329
2,2-Dichloropropane	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
2-Butanone	ND (1.17)	0.798	8260B		1	08/23/16 18:57	CZH0432	CH62329
2-Chlorotoluene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
2-Hexanone	ND (1.17)	0.352	8260B		1	08/23/16 18:57	CZH0432	CH62329
4-Chlorotoluene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
4-Isopropyltoluene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
4-Methyl-2-Pentanone	ND (1.17)	0.376	8260B		1	08/23/16 18:57	CZH0432	CH62329
Acetone	**J 0.871** (1.17)	0.634	8260B		1	08/23/16 18:57	CZH0432	CH62329
Benzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Bromobenzene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Bromodichloromethane	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Bromoform	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Bromomethane	ND (0.235)	0.0939	8260B		1	08/23/16 18:57	CZH0432	CH62329
Carbon Disulfide	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Carbon Tetrachloride	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Chlorobenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Chloroethane	ND (0.235)	0.0939	8260B		1	08/23/16 18:57	CZH0432	CH62329
Chloroform	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Chloromethane	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
cis-1,2-Dichloroethene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
cis-1,3-Dichloropropene	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Dibromochloromethane	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Dibromomethane	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Dichlorodifluoromethane	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Diethyl Ether	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Di-isopropyl ether	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Ethyl tertiary-butyl ether	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Ethylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Hexachlorobutadiene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Isopropylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Methyl tert-Butyl Ether	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
Methylene Chloride	ND (0.470)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Naphthalene	**J 0.0611** (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
n-Butylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
n-Propylbenzene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
sec-Butylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Styrene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
tert-Butylbenzene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Tertiary-amyl methyl ether	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Tetrachloroethene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Tetrahydrofuran	ND (1.17)	0.376	8260B		1	08/23/16 18:57	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
trans-1,2-Dichloroethene	ND (0.235)	0.0705	8260B		1	08/23/16 18:57	CZH0432	CH62329
trans-1,3-Dichloropropene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Trichloroethene	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Trichlorofluoromethane	ND (0.235)	0.0939	8260B		1	08/23/16 18:57	CZH0432	CH62329
Vinyl Acetate	ND (0.235)	0.117	8260B		1	08/23/16 18:57	CZH0432	CH62329
Vinyl Chloride	ND (0.235)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Xylene O	ND (0.235)	0.0235	8260B		1	08/23/16 18:57	CZH0432	CH62329
Xylene P,M	ND (0.470)	0.0470	8260B		1	08/23/16 18:57	CZH0432	CH62329
Xylenes (Total)	ND (0.470)		8260B		1	08/23/16 18:57		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*90 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*88 %*		*70-130*
Surrogate: Dibromofluoromethane	*93 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 19.8
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: JXS
Prepared: 8/22/16 15:48

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
4,4´-DDE	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
4,4´-DDT	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Aldrin	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
alpha-BHC	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
alpha-Chlordane	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
beta-BHC	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Chlordane (Total) [2C]	ND (0.0328)		8081B		1	08/23/16 10:28	CZH0417	CH62216
delta-BHC	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Dieldrin	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endosulfan I	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endosulfan II	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endosulfan Sulfate	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endrin	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endrin Aldehyde	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Endrin Ketone	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
gamma-BHC (Lindane)	ND (0.0016)		8081B		1	08/23/16 10:28	CZH0417	CH62216
gamma-Chlordane	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Heptachlor	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Heptachlor Epoxide	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Hexachlorobenzene	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Methoxychlor	ND (0.0027)		8081B		1	08/23/16 10:28	CZH0417	CH62216
Toxaphene	ND (0.137)		8081B		1	08/23/16 10:28	CZH0417	CH62216

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*82 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*86 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*62 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*73 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 19.7
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 8/19/16 16:41

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1221	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1232	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1242	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1248	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1254	**0.139** (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1260	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1262	**0.116** (0.0550)		8082A		1	08/24/16 17:58		CH61911
Aroclor 1268	ND (0.0550)		8082A		1	08/24/16 17:58		CH61911

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*87 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*65 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*71 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 8/22/16 11:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**45.3** (42.3)		8100M		1	08/22/16 23:36	CZH0402	CH62219

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*91 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 10.3
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: VSC
Prepared: 8/22/16 16:00

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	08/26/16 11:07	CZH0471	CH62248
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	08/26/16 11:07	CZH0471	CH62248
2,4-D	ND (0.198)		8151A		1	08/26/16 11:07	CZH0471	CH62248
2,4-DB	ND (0.200)		8151A		1	08/26/16 11:07	CZH0471	CH62248
Dalapon	ND (0.191)		8151A		1	08/26/16 11:07	CZH0471	CH62248
Dicamba	ND (0.010)		8151A		1	08/26/16 11:07	CZH0471	CH62248
Dichlorprop	ND (0.198)		8151A		1	08/26/16 11:07	CZH0471	CH62248
Dinoseb	ND (0.200)		8151A		1	08/26/16 11:07	CZH0471	CH62248
MCPA	ND (19.6)		8151A		1	08/26/16 11:07	CZH0471	CH62248
MCPP	ND (19.8)		8151A		1	08/26/16 11:07	CZH0471	CH62248

	%Recovery	Qualifier	Limits
Surrogate: DCAA	*100 %*		*30-150*
Surrogate: DCAA [2C]	*86 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 16:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
1,2,4-Trichlorobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
1,2-Dichlorobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
1,3-Dichlorobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
1,4-Dichlorobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4,5-Trichlorophenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4,6-Trichlorophenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4-Dichlorophenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4-Dimethylphenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4-Dinitrophenol	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,4-Dinitrotoluene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2,6-Dinitrotoluene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Chloronaphthalene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Chlorophenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Methylnaphthalene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Methylphenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Nitroaniline	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
2-Nitrophenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
3,3´-Dichlorobenzidine	ND (0.737)		8270D		1	08/24/16 0:43	CZH0437	CH61915
3+4-Methylphenol	ND (0.737)		8270D		1	08/24/16 0:43	CZH0437	CH61915
3-Nitroaniline	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Bromophenyl-phenylether	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Chloro-3-Methylphenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Chloroaniline	ND (0.737)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Chloro-phenyl-phenyl ether	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Nitroaniline	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
4-Nitrophenol	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Acenaphthene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Acenaphthylene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Acetophenone	ND (0.737)		8270D		1	08/24/16 0:43	CZH0437	CH61915

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 16:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.737)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Anthracene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Azobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzo(a)anthracene	**1.91** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzo(a)pyrene	**1.64** (0.185)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzo(b)fluoranthene	**2.19** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzo(g,h,i)perylene	**0.717** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzo(k)fluoranthene	**0.970** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzoic Acid	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Benzyl Alcohol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
bis(2-Chloroethoxy)methane	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
bis(2-Chloroethyl)ether	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
bis(2-chloroisopropyl)Ether	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
bis(2-Ethylhexyl)phthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Butylbenzylphthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Carbazole	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Chrysene	**1.67** (0.185)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Dibenzo(a,h)Anthracene	**0.340** (0.185)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Dibenzofuran	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Diethylphthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Dimethylphthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Di-n-butylphthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Di-n-octylphthalate	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Fluoranthene	**3.29** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Fluorene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Hexachlorobenzene	ND (0.185)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Hexachlorobutadiene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Hexachloroethane	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Indeno(1,2,3-cd)Pyrene	**0.672** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Isophorone	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Naphthalene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/19/16 16:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
N-Nitrosodimethylamine	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
N-Nitroso-Di-n-Propylamine	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
N-nitrosodiphenylamine	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Pentachlorophenol	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Phenanthrene	**1.50** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Phenol	ND (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Pyrene	**2.39** (0.368)		8270D		1	08/24/16 0:43	CZH0437	CH61915
Pyridine	ND (1.85)		8270D		1	08/24/16 0:43	CZH0437	CH61915

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*84 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*100 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*94 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*106 %*		*30-130*
Surrogate: 2-Fluorophenol	*95 %*		*30-130*
Surrogate: Nitrobenzene-d5	*102 %*		*30-130*
Surrogate: Phenol-d6	*100 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-38
Date Sampled: 08/19/16 14:10
Percent Solids: 92

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**8.93** (N/A)		9045		1	JLK	08/19/16 21:24	S.U.	CH61918
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 22.4 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	EEM	08/22/16 14:50	°F	CH62231
Sulfur, Total, WT PCT	**421** (100)		§		1	SUB	08/24/16 0:00	§	CH62631
Total Cyanide	**1.31** (1.00)		9014		1	EEM	08/25/16 14:30	mg/kg dry	CH62521

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/19/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1,1-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1,2,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1,2-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,1-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2,3-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2,3-Trichloropropane	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2,4-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2,4-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2-Dibromo-3-Chloropropane	ND (1.00)	0.200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2-Dibromoethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,2-Dichloropropane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,3,5-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,3-Dichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,3-Dichloropropane	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,4-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
1,4-Dioxane - Screen	ND (40.0)	38.0	8260B		1	08/23/16 16:17	CZH0432	CH62329
1-Chlorohexane	ND (0.200)	0.0800	8260B		1	08/23/16 16:17	CZH0432	CH62329
2,2-Dichloropropane	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
2-Butanone	ND (1.00)	0.680	8260B		1	08/23/16 16:17	CZH0432	CH62329
2-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
2-Hexanone	ND (1.00)	0.300	8260B		1	08/23/16 16:17	CZH0432	CH62329
4-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
4-Isopropyltoluene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
4-Methyl-2-Pentanone	ND (1.00)	0.320	8260B		1	08/23/16 16:17	CZH0432	CH62329
Acetone	ND (1.00)	0.540	8260B		1	08/23/16 16:17	CZH0432	CH62329
Benzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Bromobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/19/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Bromodichloromethane	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Bromoform	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Bromomethane	ND (0.200)	0.0800	8260B		1	08/23/16 16:17	CZH0432	CH62329
Carbon Disulfide	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Carbon Tetrachloride	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Chlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Chloroethane	ND (0.200)	0.0800	8260B		1	08/23/16 16:17	CZH0432	CH62329
Chloroform	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Chloromethane	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
cis-1,2-Dichloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
cis-1,3-Dichloropropene	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Dibromochloromethane	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Dibromomethane	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Dichlorodifluoromethane	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Diethyl Ether	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Di-isopropyl ether	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Ethyl tertiary-butyl ether	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Ethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Hexachlorobutadiene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Isopropylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Methyl tert-Butyl Ether	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
Methylene Chloride	ND (0.400)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Naphthalene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
n-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
n-Propylbenzene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
sec-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Styrene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
tert-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Tertiary-amyl methyl ether	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Tetrachloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Tetrahydrofuran	ND (1.00)	0.320	8260B		1	08/23/16 16:17	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/19/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608574
ESS Laboratory Sample ID: 1608574-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
trans-1,2-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/23/16 16:17	CZH0432	CH62329
trans-1,3-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Trichloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Trichlorofluoromethane	ND (0.200)	0.0800	8260B		1	08/23/16 16:17	CZH0432	CH62329
Vinyl Acetate	ND (0.200)	0.100	8260B		1	08/23/16 16:17	CZH0432	CH62329
Vinyl Chloride	ND (0.200)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Xylene O	ND (0.200)	0.0200	8260B		1	08/23/16 16:17	CZH0432	CH62329
Xylene P,M	ND (0.400)	0.0400	8260B		1	08/23/16 16:17	CZH0432	CH62329
Xylenes (Total)	ND (0.400)		8260B		1	08/23/16 16:17		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*89 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*93 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CH62202 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	3.25	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	145	9.26	mg/kg wet	161.0		90	80-120			
Barium	309	9.26	mg/kg wet	351.0		88	80-120			
Cadmium	186	1.85	mg/kg wet	190.0		98	80-120			
Chromium	85.6	3.70	mg/kg wet	87.90		97	80-120			
Lead	133	18.5	mg/kg wet	138.0		96	80-120			
Selenium	318	23.1	mg/kg wet	305.0		104	80-120			
Silver	59.2	1.85	mg/kg wet	58.00		102	80-120			
LCS Dup										
Arsenic	143	8.06	mg/kg wet	161.0		89	80-120	1	20	
Barium	335	8.06	mg/kg wet	351.0		95	80-120	8	20	
Cadmium	176	1.61	mg/kg wet	190.0		92	80-120	6	20	
Chromium	81.0	3.23	mg/kg wet	87.90		92	80-120	6	20	
Lead	126	16.1	mg/kg wet	138.0		91	80-120	5	20	
Selenium	299	20.2	mg/kg wet	305.0		98	80-120	6	30	
Silver	56.2	1.61	mg/kg wet	58.00		97	80-120	5	20	
Batch CH62204 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	17.6	1.55	mg/kg wet	15.90		111	80-120			
LCS Dup										
Mercury	17.0	1.83	mg/kg wet	15.90		107	80-120	4	20	
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.57*		mg/kg wet	*5.000*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.38*		mg/kg wet	*5.000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*4.73*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Toluene-d8	*4.49*		mg/kg wet	*5.000*		*90*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,1,1-Trichloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1,2,2-Tetrachloroethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,1,2-Trichloroethane	1.78	0.200	mg/kg wet	2.000		89	70-130			
1,1-Dichloroethane	1.91	0.200	mg/kg wet	2.000		95	70-130			
1,1-Dichloroethene	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,1-Dichloropropene	1.90	0.200	mg/kg wet	2.000		95	70-130			
1,2,3-Trichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,2,3-Trichloropropane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,4-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2,4-Trimethylbenzene	1.91	0.200	mg/kg wet	2.000		95	70-130			
1,2-Dibromo-3-Chloropropane	1.68	1.00	mg/kg wet	2.000		84	70-130			
1,2-Dibromoethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichlorobenzene	2.09	0.200	mg/kg wet	2.000		105	70-130			
1,2-Dichloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dichloropropane	1.87	0.200	mg/kg wet	2.000		93	70-130			
1,3,5-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,3-Dichlorobenzene	2.11	0.200	mg/kg wet	2.000		105	70-130			
1,3-Dichloropropane	1.93	0.200	mg/kg wet	2.000		97	70-130			
1,4-Dichlorobenzene	2.10	0.200	mg/kg wet	2.000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
1,4-Dioxane - Screen	53.8	40.0	mg/kg wet	40.00		135	44-241			
1-Chlorohexane	1.86	0.200	mg/kg wet	2.000		93	70-130			
2,2-Dichloropropane	1.89	0.200	mg/kg wet	2.000		95	70-130			
2-Butanone	9.36	1.00	mg/kg wet	10.00		94	70-130			
2-Chlorotoluene	2.05	0.200	mg/kg wet	2.000		103	70-130			
2-Hexanone	9.09	1.00	mg/kg wet	10.00		91	70-130			
4-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Methyl-2-Pentanone	9.04	1.00	mg/kg wet	10.00		90	70-130			
Acetone	8.60	1.00	mg/kg wet	10.00		86	70-130			
Benzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Bromobenzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
Bromochloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
Bromodichloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
Bromoform	1.69	0.200	mg/kg wet	2.000		85	70-130			
Bromomethane	2.26	0.200	mg/kg wet	2.000		113	70-130			
Carbon Disulfide	2.00	0.200	mg/kg wet	2.000		100	70-130			
Carbon Tetrachloride	1.95	0.200	mg/kg wet	2.000		98	70-130			
Chlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Chloroethane	1.66	0.200	mg/kg wet	2.000		83	70-130			
Chloroform	1.88	0.200	mg/kg wet	2.000		94	70-130			
Chloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
cis-1,2-Dichloroethene	1.91	0.200	mg/kg wet	2.000		95	70-130			
cis-1,3-Dichloropropene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Dibromochloromethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
Dibromomethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
Dichlorodifluoromethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
Diethyl Ether	1.84	0.200	mg/kg wet	2.000		92	70-130			
Di-isopropyl ether	1.96	0.200	mg/kg wet	2.000		98	70-130			
Ethyl tertiary-butyl ether	1.87	0.200	mg/kg wet	2.000		94	70-130			
Ethylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
Hexachlorobutadiene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Isopropylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Methyl tert-Butyl Ether	2.00	0.200	mg/kg wet	2.000		100	70-130			
Methylene Chloride	1.95	0.400	mg/kg wet	2.000		98	70-130			
Naphthalene	2.13	0.200	mg/kg wet	2.000		106	70-130			
n-Butylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
n-Propylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Styrene	1.90	0.200	mg/kg wet	2.000		95	70-130			
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Tertiary-amyl methyl ether	2.09	0.200	mg/kg wet	2.000		104	70-130			
Tetrachloroethene	1.53	0.200	mg/kg wet	2.000		76	70-130			
Tetrahydrofuran	1.90	1.00	mg/kg wet	2.000		95	70-130			
Toluene	1.93	0.200	mg/kg wet	2.000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
trans-1,2-Dichloroethene	1.87	0.200	mg/kg wet	2.000		94	70-130			
trans-1,3-Dichloropropene	1.66	0.200	mg/kg wet	2.000		83	70-130			
Trichloroethene	1.90	0.200	mg/kg wet	2.000		95	70-130			
Vinyl Acetate	1.86	0.200	mg/kg wet	2.000		93	70-130			
Vinyl Chloride	1.90	0.200	mg/kg wet	2.000		95	70-130			
Xylene O	2.01	0.200	mg/kg wet	2.000		100	70-130			
Xylene P,M	4.10	0.400	mg/kg wet	4.000		102	70-130			
Xylenes (Total)	6.11	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.14*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*5.29*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Toluene-d8	*5.35*		mg/kg wet	*5.000*		*107*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.85	0.200	mg/kg wet	2.000		93	70-130	5	25	
1,1,1-Trichloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130	4	25	
1,1,2,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	0.5	25	
1,1,2-Trichloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,1-Dichloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130	1	25	
1,1-Dichloroethene	1.98	0.200	mg/kg wet	2.000		99	70-130	5	25	
1,1-Dichloropropene	1.76	0.200	mg/kg wet	2.000		88	70-130	8	25	
1,2,3-Trichlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130	2	25	
1,2,3-Trichloropropane	1.69	0.200	mg/kg wet	2.000		85	70-130	9	25	
1,2,4-Trichlorobenzene	1.85	0.200	mg/kg wet	2.000		93	70-130	6	25	
1,2,4-Trimethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,2-Dibromo-3-Chloropropane	1.78	1.00	mg/kg wet	2.000		89	70-130	6	25	
1,2-Dibromoethane	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
1,2-Dichlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	0.8	25	
1,2-Dichloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130	7	25	
1,2-Dichloropropane	1.95	0.200	mg/kg wet	2.000		97	70-130	4	25	
1,3,5-Trimethylbenzene	1.93	0.200	mg/kg wet	2.000		96	70-130	4	25	
1,3-Dichlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	1	25	
1,3-Dichloropropane	1.84	0.200	mg/kg wet	2.000		92	70-130	5	25	
1,4-Dichlorobenzene	2.07	0.200	mg/kg wet	2.000		103	70-130	2	25	
1,4-Dioxane - Screen	43.8	40.0	mg/kg wet	40.00		109	44-241	21	200	
1-Chlorohexane	1.94	0.200	mg/kg wet	2.000		97	70-130	4	25	
2,2-Dichloropropane	1.76	0.200	mg/kg wet	2.000		88	70-130	7	25	
2-Butanone	9.28	1.00	mg/kg wet	10.00		93	70-130	0.8	25	
2-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130	4	25	
2-Hexanone	9.08	1.00	mg/kg wet	10.00		91	70-130	0.1	25	
4-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	
4-Isopropyltoluene	1.96	0.200	mg/kg wet	2.000		98	70-130	0.2	25	
4-Methyl-2-Pentanone	8.72	1.00	mg/kg wet	10.00		87	70-130	4	25	
Acetone	8.30	1.00	mg/kg wet	10.00		83	70-130	3	25	
Benzene	1.93	0.200	mg/kg wet	2.000		97	70-130	1	25	
Bromobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Bromochloromethane	1.95	0.200	mg/kg wet	2.000		97	70-130	1	25	
Bromodichloromethane	1.93	0.200	mg/kg wet	2.000		96	70-130	3	25	
Bromoform	1.54	0.200	mg/kg wet	2.000		77	70-130	9	25	
Bromomethane	2.10	0.200	mg/kg wet	2.000		105	70-130	7	25	
Carbon Disulfide	1.97	0.200	mg/kg wet	2.000		98	70-130	1	25	
Carbon Tetrachloride	1.87	0.200	mg/kg wet	2.000		93	70-130	4	25	
Chlorobenzene	1.99	0.200	mg/kg wet	2.000		99	70-130	2	25	
Chloroethane	1.70	0.200	mg/kg wet	2.000		85	70-130	2	25	
Chloroform	1.81	0.200	mg/kg wet	2.000		90	70-130	4	25	
Chloromethane	1.72	0.200	mg/kg wet	2.000		86	70-130	4	25	
cis-1,2-Dichloroethene	1.94	0.200	mg/kg wet	2.000		97	70-130	1	25	
cis-1,3-Dichloropropene	1.93	0.200	mg/kg wet	2.000		96	70-130	5	25	
Dibromochloromethane	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Dibromomethane	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Dichlorodifluoromethane	1.93	0.200	mg/kg wet	2.000		96	70-130	0.8	25	
Diethyl Ether	1.61	0.200	mg/kg wet	2.000		80	70-130	13	25	
Di-isopropyl ether	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
Ethyl tertiary-butyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
Ethylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	3	25	
Hexachlorobutadiene	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
Isopropylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	
Methyl tert-Butyl Ether	1.85	0.200	mg/kg wet	2.000		92	70-130	8	25	
Methylene Chloride	1.94	0.400	mg/kg wet	2.000		97	70-130	0.5	25	
Naphthalene	1.92	0.200	mg/kg wet	2.000		96	70-130	10	25	
n-Butylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	4	25	
n-Propylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	0.2	25	
Styrene	1.83	0.200	mg/kg wet	2.000		92	70-130	4	25	
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	0.2	25	
Tertiary-amyl methyl ether	1.87	0.200	mg/kg wet	2.000		94	70-130	11	25	
Tetrachloroethene	1.41	0.200	mg/kg wet	2.000		70	70-130	8	25	
Tetrahydrofuran	1.72	1.00	mg/kg wet	2.000		86	70-130	10	25	
Toluene	1.85	0.200	mg/kg wet	2.000		92	70-130	4	25	
trans-1,2-Dichloroethene	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
trans-1,3-Dichloropropene	1.63	0.200	mg/kg wet	2.000		82	70-130	2	25	
Trichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130	5	25	
Vinyl Acetate	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Vinyl Chloride	2.03	0.200	mg/kg wet	2.000		102	70-130	7	25	
Xylene O	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Xylene P,M	3.97	0.400	mg/kg wet	4.000		99	70-130	3	25	
Xylenes (Total)	5.93	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.97*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.01*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*5.27*		mg/kg wet	*5.000*		*105*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0135*		mg/kg wet	*0.01250*		*108*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0124*		mg/kg wet	*0.01250*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0117*		mg/kg wet	*0.01250*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0122*		mg/kg wet	*0.01250*		*98*	*30-150*			
LCS										
4,4´-DDD	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
4,4´-DDD [2C]	0.0106	0.0025	mg/kg wet	0.01250		85	40-140			
4,4´-DDE	0.0107	0.0025	mg/kg wet	0.01250		85	40-140			
4,4´-DDE [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
4,4´-DDT	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
4,4´-DDT [2C]	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Aldrin	0.0121	0.0025	mg/kg wet	0.01250		97	40-140			
Aldrin [2C]	0.0123	0.0025	mg/kg wet	0.01250		99	40-140			
alpha-BHC	0.0117	0.0025	mg/kg wet	0.01250		93	40-140			
alpha-BHC [2C]	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
alpha-Chlordane	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
alpha-Chlordane [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
beta-BHC	0.0103	0.0025	mg/kg wet	0.01250		82	40-140			
beta-BHC [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			
delta-BHC	0.0089	0.0025	mg/kg wet	0.01250		71	40-140			
delta-BHC [2C]	0.0090	0.0025	mg/kg wet	0.01250		72	40-140			
Dieldrin	0.0122	0.0025	mg/kg wet	0.01250		98	40-140			
Dieldrin [2C]	0.0123	0.0025	mg/kg wet	0.01250		98	40-140			
Endosulfan I	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Endosulfan I [2C]	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Endosulfan II	0.0112	0.0025	mg/kg wet	0.01250		90	40-140			
Endosulfan II [2C]	0.0107	0.0025	mg/kg wet	0.01250		85	40-140			
Endosulfan Sulfate	0.0116	0.0025	mg/kg wet	0.01250		93	40-140			
Endosulfan Sulfate [2C]	0.0107	0.0025	mg/kg wet	0.01250		86	40-140			
Endrin	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Endrin [2C]	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Endrin Aldehyde	0.0113	0.0025	mg/kg wet	0.01250		91	40-140			
Endrin Aldehyde [2C]	0.0100	0.0025	mg/kg wet	0.01250		80	40-140			
Endrin Ketone	0.0121	0.0025	mg/kg wet	0.01250		97	40-140			
Endrin Ketone [2C]	0.0112	0.0025	mg/kg wet	0.01250		90	40-140			
gamma-BHC (Lindane)	0.0114	0.0015	mg/kg wet	0.01250		91	40-140			
gamma-BHC (Lindane) [2C]	0.0112	0.0015	mg/kg wet	0.01250		90	40-140			
gamma-Chlordane	0.0117	0.0025	mg/kg wet	0.01250		94	40-140			
gamma-Chlordane [2C]	0.0118	0.0025	mg/kg wet	0.01250		95	40-140			
Heptachlor	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Heptachlor [2C]	0.0116	0.0025	mg/kg wet	0.01250		92	40-140			
Heptachlor Epoxide	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Heptachlor Epoxide [2C]	0.0123	0.0025	mg/kg wet	0.01250		99	40-140			
Hexachlorobenzene	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
Hexachlorobenzene [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140			
Methoxychlor	0.0119	0.0025	mg/kg wet	0.01250		95	40-140			
Methoxychlor [2C]	0.0108	0.0025	mg/kg wet	0.01250		87	40-140			
Surrogate: Decachlorobiphenyl	*0.0118*		mg/kg wet	*0.01250*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0109*		mg/kg wet	*0.01250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0107*		mg/kg wet	*0.01250*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0119*		mg/kg wet	*0.01250*		*95*	*30-150*			
LCS Dup										
4,4´-DDD	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	20	30	
4,4´-DDD [2C]	0.0130	0.0025	mg/kg wet	0.01250		104	40-140	20	30	
4,4´-DDE	0.0132	0.0025	mg/kg wet	0.01250		106	40-140	21	30	
4,4´-DDE [2C]	0.0133	0.0025	mg/kg wet	0.01250		107	40-140	19	30	
4,4´-DDT	0.0151	0.0025	mg/kg wet	0.01250		121	40-140	22	30	
4,4´-DDT [2C]	0.0142	0.0025	mg/kg wet	0.01250		114	40-140	22	30	
Aldrin	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	4	30	
Aldrin [2C]	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	3	30	
alpha-BHC	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	8	30	
alpha-BHC [2C]	0.0127	0.0025	mg/kg wet	0.01250		101	40-140	7	30	
alpha-Chlordane	0.0124	0.0025	mg/kg wet	0.01250		99	40-140	8	30	
alpha-Chlordane [2C]	0.0125	0.0025	mg/kg wet	0.01250		100	40-140	8	30	
beta-BHC	0.0121	0.0025	mg/kg wet	0.01250		97	40-140	16	30	
beta-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		101	40-140	14	30	
delta-BHC	0.0108	0.0025	mg/kg wet	0.01250		87	40-140	20	30	
delta-BHC [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	19	30	
Dieldrin	0.0137	0.0025	mg/kg wet	0.01250		110	40-140	12	30	
Dieldrin [2C]	0.0138	0.0025	mg/kg wet	0.01250		110	40-140	11	30	
Endosulfan I	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	12	30	
Endosulfan I [2C]	0.0127	0.0025	mg/kg wet	0.01250		102	40-140	9	30	
Endosulfan II	0.0135	0.0025	mg/kg wet	0.01250		108	40-140	18	30	
Endosulfan II [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	19	30	
Endosulfan Sulfate	0.0143	0.0025	mg/kg wet	0.01250		114	40-140	21	30	
Endosulfan Sulfate [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	20	30	
Endrin	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	15	30	
Endrin [2C]	0.0133	0.0025	mg/kg wet	0.01250		106	40-140	15	30	
Endrin Aldehyde	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	20	30	
Endrin Aldehyde [2C]	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	20	30	
Endrin Ketone	0.0148	0.0025	mg/kg wet	0.01250		118	40-140	20	30	
Endrin Ketone [2C]	0.0137	0.0025	mg/kg wet	0.01250		109	40-140	19	30	
gamma-BHC (Lindane)	0.0123	0.0015	mg/kg wet	0.01250		99	40-140	8	30	
gamma-BHC (Lindane) [2C]	0.0122	0.0015	mg/kg wet	0.01250		97	40-140	8	30	
gamma-Chlordane	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	9	30	
gamma-Chlordane [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	8	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62216 - 3546										
Heptachlor	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	7	30	
Heptachlor [2C]	0.0123	0.0025	mg/kg wet	0.01250		98	40-140	6	30	
Heptachlor Epoxide	0.0129	0.0025	mg/kg wet	0.01250		103	40-140	6	30	
Heptachlor Epoxide [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140	6	30	
Hexachlorobenzene	0.0128	0.0025	mg/kg wet	0.01250		102	40-140	7	30	
Hexachlorobenzene [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	7	30	
Methoxychlor	0.0149	0.0025	mg/kg wet	0.01250		119	40-140	22	30	
Methoxychlor [2C]	0.0135	0.0025	mg/kg wet	0.01250		108	40-140	22	30	
Surrogate: Decachlorobiphenyl	*0.0141*		mg/kg wet	*0.01250*		*112*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0128*		mg/kg wet	*0.01250*		*102*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0109*		mg/kg wet	*0.01250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0122*		mg/kg wet	*0.01250*		*98*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61911 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0208*		mg/kg wet	*0.02500*		*83*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0190*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0178*		mg/kg wet	*0.02500*		*71*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0184*		mg/kg wet	*0.02500*		*73*	*30-150*			
LCS										
Aroclor 1016	0.465	0.0500	mg/kg wet	0.5000		93	40-140			
Aroclor 1260	0.477	0.0500	mg/kg wet	0.5000		95	40-140			
Surrogate: Decachlorobiphenyl	*0.0215*		mg/kg wet	*0.02500*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0190*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0189*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0181*		mg/kg wet	*0.02500*		*72*	*30-150*			
LCS Dup										
Aroclor 1016	0.447	0.0500	mg/kg wet	0.5000		89	40-140	4	30	
Aroclor 1260	0.460	0.0500	mg/kg wet	0.5000		92	40-140	4	30	
Surrogate: Decachlorobiphenyl	*0.0212*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0194*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0183*		mg/kg wet	*0.02500*		*73*	*30-150*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH61911 - 3540C										
Surrogate: Tetrachloro-m-xylene [2C]	*0.0174*		mg/kg wet	*0.02500*		*70*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CH62219 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.47*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonadecane (C19)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		67	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Total Petroleum Hydrocarbons	29.1	37.5	mg/kg wet	35.00		83	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Surrogate: O-Terphenyl	*4.72*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		77	40-140	1	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.6	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		82	40-140	0.9	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.7	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.8	25	

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CH62219 - 3546										
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		86	40-140	0.5	25	
Nonadecane (C19)	2.0	0.2	mg/kg wet	2.500		80	40-140	0.6	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		68	30-140	1	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140	1	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	0.6	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		86	40-140	0.7	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		82	40-140	1	25	
Total Petroleum Hydrocarbons	29.4	37.5	mg/kg wet	35.00		84	40-140	1	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.7	25	
Surrogate: O-Terphenyl	*4.66*		mg/kg wet	*5.000*		*93*	*40-140*			
8151A Chlorinated Herbicides										
Batch CH62248 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*14.3*		mg/kg wet	*20.00*		*72*	*30-150*			
Surrogate: DCAA [2C]	*12.3*		mg/kg wet	*20.00*		*62*	*30-150*			
LCS										
2,4,5-T	0.012	0.010	mg/kg wet	0.01900		64	40-140			
2,4,5-T [2C]	0.013	0.010	mg/kg wet	0.01900		66	40-140			
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		72	40-140			
2,4,5-TP (Silvex) [2C]	0.013	0.010	mg/kg wet	0.01900		70	40-140			
2,4-D	0.138	0.188	mg/kg wet	0.1880		73	40-140			
2,4-D [2C]	0.149	0.188	mg/kg wet	0.1880		79	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH62248 - 3546										
2,4-DB	0.128	0.190	mg/kg wet	0.1900		67	40-140			
2,4-DB [2C]	0.118	0.190	mg/kg wet	0.1900		62	40-140			
Dalapon	0.186	0.182	mg/kg wet	0.4550		41	40-140			
Dalapon [2C]	0.219	0.182	mg/kg wet	0.4550		48	40-140			
Dicamba	0.013	0.009	mg/kg wet	0.01880		68	40-140			
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		72	40-140			
Dichlorprop	0.147	0.188	mg/kg wet	0.1880		78	40-140			
Dichlorprop [2C]	0.177	0.188	mg/kg wet	0.1880		94	40-140			
Dinoseb	0.019	0.190	mg/kg wet	0.09500		20	10-100			
Dinoseb [2C]	0.022	0.190	mg/kg wet	0.09500		24	10-100			
MCPA	13.9	18.6	mg/kg wet	18.60		75	40-140			
MCPA [2C]	13.4	18.6	mg/kg wet	18.60		72	40-140			
MCPP	13.0	18.8	mg/kg wet	18.80		69	40-140			
MCPP [2C]	15.3	18.8	mg/kg wet	18.80		82	40-140			
Surrogate: DCAA	*19.7*		mg/kg wet	*20.00*		*98*	*30-150*			
Surrogate: DCAA [2C]	*17.8*		mg/kg wet	*20.00*		*89*	*30-150*			
LCS Dup										
2,4,5-T	0.015	0.010	mg/kg wet	0.01900		80	40-140	22	30	
2,4,5-T [2C]	0.015	0.010	mg/kg wet	0.01900		80	40-140	19	30	
2,4,5-TP (Silvex)	0.016	0.010	mg/kg wet	0.01900		84	40-140	15	30	
2,4,5-TP (Silvex) [2C]	0.015	0.010	mg/kg wet	0.01900		80	40-140	13	30	
2,4-D	0.157	0.188	mg/kg wet	0.1880		84	40-140	13	30	
2,4-D [2C]	0.174	0.188	mg/kg wet	0.1880		93	40-140	15	30	
2,4-DB	0.152	0.190	mg/kg wet	0.1900		80	40-140	17	30	
2,4-DB [2C]	0.154	0.190	mg/kg wet	0.1900		81	40-140	27	30	
Dalapon	0.224	0.182	mg/kg wet	0.4550		49	40-140	18	30	
Dalapon [2C]	0.256	0.182	mg/kg wet	0.4550		56	40-140	16	30	
Dicamba	0.015	0.009	mg/kg wet	0.01880		80	40-140	16	30	
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		76	40-140	5	30	
Dichlorprop	0.162	0.188	mg/kg wet	0.1880		86	40-140	9	30	
Dichlorprop [2C]	0.172	0.188	mg/kg wet	0.1880		91	40-140	3	30	
Dinoseb	0.026	0.190	mg/kg wet	0.09500		28	10-100	34	30	D+
Dinoseb [2C]	0.029	0.190	mg/kg wet	0.09500		30	10-100	25	30	
MCPA	44.3	18.6	mg/kg wet	18.60		238	40-140	104	30	B+, D+
MCPA [2C]	15.0	18.6	mg/kg wet	18.60		81	40-140	11	30	
MCPP	17.5	18.8	mg/kg wet	18.80		93	40-140	29	30	
MCPP [2C]	17.0	18.8	mg/kg wet	18.80		90	40-140	10	30	
Surrogate: DCAA	*18.6*		mg/kg wet	*20.00*		*93*	*30-150*			
Surrogate: DCAA [2C]	*17.0*		mg/kg wet	*20.00*		*85*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Blank										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.65*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.35*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*4.40*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.88*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Phenol-d6	*4.60*		mg/kg wet	*5.000*		*92*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.69*		mg/kg wet	*3.333*		*111*	*30-130*			
LCS										
1,1-Biphenyl	2.57	0.333	mg/kg wet	3.333		77	40-140			
1,2,4-Trichlorobenzene	2.45	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,3-Dichlorobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140			
1,4-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140			
2,3,4,6-Tetrachlorophenol	1.99	1.67	mg/kg wet	3.333		60	30-130			
2,4,5-Trichlorophenol	2.69	0.333	mg/kg wet	3.333		81	30-130			
2,4,6-Trichlorophenol	2.78	0.333	mg/kg wet	3.333		83	30-130			

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ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
2,4-Dichlorophenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130			
2,4-Dinitrophenol	1.67	1.67	mg/kg wet	3.333		50	30-130			
2,4-Dinitrotoluene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2,6-Dinitrotoluene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Chloronaphthalene	2.42	0.333	mg/kg wet	3.333		72	40-140			
2-Chlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
2-Methylnaphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
2-Nitroaniline	2.37	0.333	mg/kg wet	3.333		71	40-140			
2-Nitrophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
3,3´-Dichlorobenzidine	2.95	0.667	mg/kg wet	3.333		89	40-140			
3+4-Methylphenol	5.17	0.667	mg/kg wet	6.667		78	30-130			
3-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140			
4,6-Dinitro-2-Methylphenol	2.37	1.67	mg/kg wet	3.333		71	30-130			
4-Bromophenyl-phenylether	2.90	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
4-Chloroaniline	2.23	0.667	mg/kg wet	3.333		67	40-140			
4-Chloro-phenyl-phenyl ether	2.48	0.333	mg/kg wet	3.333		75	40-140			
4-Nitroaniline	2.56	0.333	mg/kg wet	3.333		77	40-140			
4-Nitrophenol	2.04	1.67	mg/kg wet	3.333		61	30-130			
Acenaphthene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Acetophenone	2.52	0.667	mg/kg wet	3.333		76	40-140			
Aniline	2.25	0.667	mg/kg wet	3.333		67	40-140			
Anthracene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Azobenzene	3.10	0.333	mg/kg wet	3.333		93	40-140			
Benzo(a)anthracene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)pyrene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Benzo(b)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	2.98	0.333	mg/kg wet	3.333		89	40-140			
Benzo(k)fluoranthene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Benzoic Acid	1.46	1.67	mg/kg wet	3.333		44	40-140			
Benzyl Alcohol	2.61	0.333	mg/kg wet	3.333		78	40-140			
bis(2-Chloroethoxy)methane	2.53	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Chloroethyl)ether	2.66	0.333	mg/kg wet	3.333		80	40-140			
bis(2-chloroisopropyl)Ether	2.51	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Ethylhexyl)phthalate	2.59	0.333	mg/kg wet	3.333		78	40-140			
Butylbenzylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Carbazole	2.48	0.333	mg/kg wet	3.333		75	40-140			
Chrysene	2.40	0.167	mg/kg wet	3.333		72	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.32	0.333	mg/kg wet	3.333		69	40-140			
Diethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Dimethylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Di-n-butylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140			
Di-n-octylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Fluoranthene	2.52	0.333	mg/kg wet	3.333		75	40-140			
Fluorene	2.35	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorobenzene	2.73	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.40	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorocyclopentadiene	1.91	1.67	mg/kg wet	3.333		57	40-140			
Hexachloroethane	2.38	0.333	mg/kg wet	3.333		71	40-140			
Indeno(1,2,3-cd)Pyrene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Isophorone	2.51	0.333	mg/kg wet	3.333		75	40-140			
Naphthalene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Nitrobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140			
N-Nitrosodimethylamine	2.47	0.333	mg/kg wet	3.333		74	40-140			
N-Nitroso-Di-n-Propylamine	2.70	0.333	mg/kg wet	3.333		81	40-140			
N-nitrosodiphenylamine	2.88	0.333	mg/kg wet	3.333		86	40-140			
Pentachlorophenol	2.39	1.67	mg/kg wet	3.333		72	30-130			
Phenanthrene	2.47	0.333	mg/kg wet	3.333		74	40-140			
Phenol	2.63	0.333	mg/kg wet	3.333		79	30-130			
Pyrene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Pyridine	2.03	1.67	mg/kg wet	3.333		61	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.96*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.41*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorophenol	*4.46*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
Surrogate: Phenol-d6	*4.70*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.57	0.333	mg/kg wet	3.333		77	40-140	0.2	30	
1,2,4-Trichlorobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140	5	30	
1,2-Dichlorobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140	7	30	
1,3-Dichlorobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140	5	30	
1,4-Dichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	25	30	
2,4,5-Trichlorophenol	3.03	0.333	mg/kg wet	3.333		91	30-130	12	30	
2,4,6-Trichlorophenol	2.98	0.333	mg/kg wet	3.333		89	30-130	7	30	
2,4-Dichlorophenol	2.82	0.333	mg/kg wet	3.333		85	30-130	13	30	
2,4-Dimethylphenol	2.99	0.333	mg/kg wet	3.333		90	30-130	11	30	
2,4-Dinitrophenol	1.75	1.67	mg/kg wet	3.333		53	30-130	5	30	
2,4-Dinitrotoluene	2.91	0.333	mg/kg wet	3.333		87	40-140	24	30	
2,6-Dinitrotoluene	2.77	0.333	mg/kg wet	3.333		83	40-140	18	30	
2-Chloronaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140	2	30	
2-Chlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130	10	30	
2-Methylnaphthalene	2.62	0.333	mg/kg wet	3.333		79	40-140	13	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
2-Methylphenol	2.94	0.333	mg/kg wet	3.333		88	30-130	14	30	
2-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140	16	30	
2-Nitrophenol	2.96	0.333	mg/kg wet	3.333		89	30-130	10	30	
3,3´-Dichlorobenzidine	3.09	0.667	mg/kg wet	3.333		93	40-140	5	30	
3+4-Methylphenol	6.05	0.667	mg/kg wet	6.667		91	30-130	16	30	
3-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	22	30	
4,6-Dinitro-2-Methylphenol	2.24	1.67	mg/kg wet	3.333		67	30-130	6	30	
4-Bromophenyl-phenylether	3.02	0.333	mg/kg wet	3.333		90	40-140	4	30	
4-Chloro-3-Methylphenol	3.09	0.333	mg/kg wet	3.333		93	30-130	29	30	
4-Chloroaniline	2.62	0.667	mg/kg wet	3.333		79	40-140	16	30	
4-Chloro-phenyl-phenyl ether	2.85	0.333	mg/kg wet	3.333		86	40-140	14	30	
4-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	9	30	
4-Nitrophenol	2.81	1.67	mg/kg wet	3.333		84	30-130	32	30	D+
Acenaphthene	2.64	0.333	mg/kg wet	3.333		79	40-140	6	30	
Acenaphthylene	2.58	0.333	mg/kg wet	3.333		77	40-140	6	30	
Acetophenone	2.84	0.667	mg/kg wet	3.333		85	40-140	12	30	
Aniline	2.50	0.667	mg/kg wet	3.333		75	40-140	11	30	
Anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140	8	30	
Azobenzene	3.12	0.333	mg/kg wet	3.333		94	40-140	0.6	30	
Benzo(a)anthracene	2.80	0.333	mg/kg wet	3.333		84	40-140	8	30	
Benzo(a)pyrene	2.88	0.167	mg/kg wet	3.333		86	40-140	7	30	
Benzo(b)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzo(g,h,i)perylene	3.20	0.333	mg/kg wet	3.333		96	40-140	7	30	
Benzo(k)fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140	9	30	
Benzoic Acid	1.72	1.67	mg/kg wet	3.333		52	40-140	16	30	
Benzyl Alcohol	3.04	0.333	mg/kg wet	3.333		91	40-140	15	30	
bis(2-Chloroethoxy)methane	2.78	0.333	mg/kg wet	3.333		84	40-140	9	30	
bis(2-Chloroethyl)ether	2.87	0.333	mg/kg wet	3.333		86	40-140	8	30	
bis(2-chloroisopropyl)Ether	2.75	0.333	mg/kg wet	3.333		82	40-140	9	30	
bis(2-Ethylhexyl)phthalate	3.21	0.333	mg/kg wet	3.333		96	40-140	21	30	
Butylbenzylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	23	30	
Carbazole	2.63	0.333	mg/kg wet	3.333		79	40-140	6	30	
Chrysene	2.54	0.167	mg/kg wet	3.333		76	40-140	6	30	
Dibenzo(a,h)Anthracene	3.29	0.167	mg/kg wet	3.333		99	40-140	5	30	
Dibenzofuran	2.55	0.333	mg/kg wet	3.333		76	40-140	9	30	
Diethylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140	23	30	
Dimethylphthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	17	30	
Di-n-butylphthalate	3.43	0.333	mg/kg wet	3.333		103	40-140	15	30	
Di-n-octylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	9	30	
Fluoranthene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.6	30	
Fluorene	2.74	0.333	mg/kg wet	3.333		82	40-140	15	30	
Hexachlorobenzene	2.84	0.167	mg/kg wet	3.333		85	40-140	4	30	
Hexachlorobutadiene	2.48	0.333	mg/kg wet	3.333		74	40-140	3	30	
Hexachlorocyclopentadiene	1.76	1.67	mg/kg wet	3.333		53	40-140	8	30	
Hexachloroethane	2.54	0.333	mg/kg wet	3.333		76	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CH61915 - 3546										
Indeno(1,2,3-cd)Pyrene	3.19	0.333	mg/kg wet	3.333		96	40-140	7	30	
Isophorone	2.81	0.333	mg/kg wet	3.333		84	40-140	11	30	
Naphthalene	2.67	0.333	mg/kg wet	3.333		80	40-140	6	30	
Nitrobenzene	2.77	0.333	mg/kg wet	3.333		83	40-140	5	30	
N-Nitrosodimethylamine	2.53	0.333	mg/kg wet	3.333		76	40-140	2	30	
N-Nitroso-Di-n-Propylamine	3.12	0.333	mg/kg wet	3.333		94	40-140	14	30	
N-nitrosodiphenylamine	3.05	0.333	mg/kg wet	3.333		92	40-140	6	30	
Pentachlorophenol	2.47	1.67	mg/kg wet	3.333		74	30-130	3	30	
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140	8	30	
Phenol	2.96	0.333	mg/kg wet	3.333		89	30-130	12	30	
Pyrene	3.69	0.333	mg/kg wet	3.333		111	40-140	34	30	D+
Pyridine	1.97	1.67	mg/kg wet	3.333		59	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.64*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.11*		mg/kg wet	*5.000*		*102*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2-Fluorophenol	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.03*		mg/kg wet	*3.333*		*91*	*30-130*			
Surrogate: Phenol-d6	*5.06*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.96*		mg/kg wet	*3.333*		*119*	*30-130*			
Classical Chemistry										
Batch CH62231 - General Preparation										
Reference										
Flashpoint	81		°F	81.00		100	97.9-102.1			
Batch CH62521 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.01	1.00	mg/kg wet	5.015		100	90-110			
Reference										
Total Cyanide	50.0	4.87	mg/kg wet	48.40		103	36.1577-206.612			
Reference										
Total Cyanide	49.9	4.90	mg/kg wet	48.40		103	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1608574

Notes and Definitions

Z-10	Soil pH measured in water at 22.4 ºC.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B	Present in Method Blank (B).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608574

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: ~~ESS Courier~~ Client

ESS Project ID: 1608574
Date Received: 8/19/2016
Project Due Date: 8/26/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? NA
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.4 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No 8/19/16
    ESS Sample IDs: 01
    Analysis: Sulfur
    TAT: 5D
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
    b. Low Level VOAs brought to freezer: Date: _____ Time: _____ By: _____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	62509	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62510	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62511	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62513	Yes	No	Yes	VOA Vial - Methanol	MeOH	
02	62512	Yes	No	Yes	VOA Vial - Methanol	MeOH	

2nd Review
Are barcode labels on correct containers? (Yes) / No

Completed By: AdamBoyajian Date & Time: 8/19/16 1541
Reviewed By: [illegible] Date & Time: 8/19/16 1557
Delivered By: AdamBoyajian 8/19/16 1612

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608574

Turn Time ____ (Standard) Other ____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Electonic Deliverables (Excel) Access (PDF)

Co. Name: GZA
Project #: 33554.90
Project Name: 121 Terminal Rd. Access Rd.
Contact Person: Meg Kilpatrick
Address: 530 Broadway
City: Providence
State: RI
Zip: 02909
PO #:
Tel. 401-421-4140
Fax:
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	TPH 8100	RCRA 8 metals	PCBs 8082	Total Cyanide 9010	Total Sulfur 6010	~~TCLP Lead 6010~~	pH	Flashpoint	Herbicides	Pesticides
1	8/19/16	14:10	G	S	P-38	6,1	4	AG,V	4oz.	X	X	X	X	X	X	X	X	X	X	X	X
2	8/19/16	10:00	G	S	Trip blank	6	1	V	25mL	X											

*TCLP Pb cancelled - CMT 8/29/16

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 4.4 Icc AB

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N. Grid rates apply.

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 8/19/16 15:35	Adam Bystrom 8/19/16 1535		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

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CHAIN OF CUSTODY

ESS Lab # 1608574

Turn Time ____ (Standard) Other ____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Electonic Deliverables (Excel) Access (PDF)

Co. Name: GZA
Project #: 33554.90
Project Name: 121 Terminal Rd. Access Rd.
Contact Person: Meg Kilpatrick
Address: 530 Broadway
City: Providence
State: RI
Zip: 02909
PO #:
Tel. 401-421-4140
Fax:
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260	SVOC 8270	TPH 8100	RCRA 8 metals	PCBs 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	pH	Flashpoint	Herbicides	Pesticides
1	8/19/16	14:10	G	S	P-38	6,1	4	AG,V	4oz.	X	X	X	X	X	X	X	X	X	X	X	X
2	8/19/16	10:00	G	S	Trip blank	6	1	V	25mL	X											

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 4.4 Icc AB

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N. Grid rates apply.

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 8/19/16 15:35	Adam Byster 8/19/16 1535		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1608591

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 11:00 am, Aug 30, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

SAMPLE RECEIPT

The following samples were received on August 22, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1608591-01	P-39	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045
1608591-02	Trip Blank	Solid	8260B

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

PROJECT NARRATIVE

8081B Organochlorine Pesticides

1608591-01 **Lower value is used due to matrix interferences (LC).**
4,4´-DDD [2C] , alpha-Chlordane [2C]

1608591-01 **Percent difference between primary and confirmation results exceeds 40% (P).**
4,4´-DDD [2C] , alpha-Chlordane [2C]

8151A Chlorinated Herbicides

CH62248-BSD1 **Blank Spike recovery is above upper control limit (B+).**
MCPA (238% @ 40-140%)

CH62248-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Dinoseb (34% @ 30%), MCPA (104% @ 30%)

8270D Semi-Volatile Organic Compounds

CZH0421-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (92% @ 80-120%)

CZH0421-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Azobenzene (22% @ 20%)

CZH0421-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (37% @ 20%)

CZH0469-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (51% @ 20%)

Total Metals

1608591-01 **Present in Method Blank (B).**
Barium

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**8.85** (2.62)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202
Barium	**B 25.3** (2.62)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202
Cadmium	ND (0.52)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202
Chromium	**8.91** (1.05)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202
Lead	**51.2** (5.24)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202
Mercury	ND (0.032)		7471B		1	BJV	08/24/16 12:01	0.72	40	CH62204
Selenium	ND (0.52)		6020A		20	NAR	08/29/16 13:21	2.19	100	CH62202
Silver	ND (0.52)		6010C		1	KJK	08/27/16 2:16	2.19	100	CH62202

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	KJK	08/24/16 5:44	50	50	CH62303

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 13.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1,1-Trichloroethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1,2,2-Tetrachloroethane	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1,2-Trichloroethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1-Dichloroethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1-Dichloroethene	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,1-Dichloropropene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2,3-Trichlorobenzene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2,3-Trichloropropane	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2,4-Trichlorobenzene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2,4-Trimethylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2-Dibromo-3-Chloropropane	ND (1.42)	0.285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2-Dibromoethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2-Dichlorobenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2-Dichloroethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,2-Dichloropropane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,3,5-Trimethylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,3-Dichlorobenzene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,3-Dichloropropane	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,4-Dichlorobenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
1,4-Dioxane - Screen	ND (57.0)	54.1	8260B		1	08/23/16 17:11	CZH0432	CH62329
1-Chlorohexane	ND (0.285)	0.114	8260B		1	08/23/16 17:11	CZH0432	CH62329
2,2-Dichloropropane	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
2-Butanone	ND (1.42)	0.969	8260B		1	08/23/16 17:11	CZH0432	CH62329
2-Chlorotoluene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
2-Hexanone	ND (1.42)	0.427	8260B		1	08/23/16 17:11	CZH0432	CH62329
4-Chlorotoluene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
4-Isopropyltoluene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
4-Methyl-2-Pentanone	ND (1.42)	0.456	8260B		1	08/23/16 17:11	CZH0432	CH62329
Acetone	ND (1.42)	0.769	8260B		1	08/23/16 17:11	CZH0432	CH62329
Benzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Bromobenzene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 13.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Bromodichloromethane	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Bromoform	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Bromomethane	ND (0.285)	0.114	8260B		1	08/23/16 17:11	CZH0432	CH62329
Carbon Disulfide	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Carbon Tetrachloride	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Chlorobenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Chloroethane	ND (0.285)	0.114	8260B		1	08/23/16 17:11	CZH0432	CH62329
Chloroform	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Chloromethane	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
cis-1,2-Dichloroethene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
cis-1,3-Dichloropropene	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Dibromochloromethane	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Dibromomethane	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Dichlorodifluoromethane	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Diethyl Ether	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Di-isopropyl ether	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Ethyl tertiary-butyl ether	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Ethylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Hexachlorobutadiene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Isopropylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Methyl tert-Butyl Ether	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
Methylene Chloride	ND (0.570)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Naphthalene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
n-Butylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
n-Propylbenzene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
sec-Butylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Styrene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
tert-Butylbenzene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Tertiary-amyl methyl ether	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Tetrachloroethene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Tetrahydrofuran	ND (1.42)	0.456	8260B		1	08/23/16 17:11	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 13.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
trans-1,2-Dichloroethene	ND (0.285)	0.0855	8260B		1	08/23/16 17:11	CZH0432	CH62329
trans-1,3-Dichloropropene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Trichloroethene	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Trichlorofluoromethane	ND (0.285)	0.114	8260B		1	08/23/16 17:11	CZH0432	CH62329
Vinyl Acetate	ND (0.285)	0.142	8260B		1	08/23/16 17:11	CZH0432	CH62329
Vinyl Chloride	ND (0.285)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Xylene O	ND (0.285)	0.0285	8260B		1	08/23/16 17:11	CZH0432	CH62329
Xylene P,M	ND (0.570)	0.0570	8260B		1	08/23/16 17:11	CZH0432	CH62329
Xylenes (Total)	ND (0.570)		8260B		1	08/23/16 17:11		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 19.5
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 8/25/16 15:11

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD [2C]	**LC, P 0.0054** (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
4,4´-DDE	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
4,4´-DDT	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Aldrin	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
alpha-BHC	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
alpha-Chlordane [2C]	**LC, P 0.0049** (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
beta-BHC	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Chlordane (Total)	ND (0.0353)		8081B		1	08/26/16 3:16	CZH0486	CH62515
delta-BHC	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Dieldrin	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endosulfan I	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endosulfan II	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endosulfan Sulfate	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endrin	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endrin Aldehyde	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Endrin Ketone	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
gamma-BHC (Lindane)	ND (0.0018)		8081B		1	08/26/16 3:16	CZH0486	CH62515
gamma-Chlordane [2C]	**0.0049** (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Heptachlor	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Heptachlor Epoxide	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Hexachlorobenzene	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Methoxychlor	ND (0.0029)		8081B		1	08/26/16 3:16	CZH0486	CH62515
Toxaphene	ND (0.147)		8081B		1	08/26/16 3:16	CZH0486	CH62515

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*79 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*91 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*88 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 19.5
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 8/23/16 16:04

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1221	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1232	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1242	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1248	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1254	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1260	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1262	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214
Aroclor 1268	ND (0.0589)		8082A		1	08/24/16 11:45		CH62214

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*77 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*73 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*66 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*76 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 19.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 8/23/16 18:03

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**49.7** (44.6)		8100M		1	08/24/16 5:34	CZH0458	CH62313

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*99 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 10.5
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: VSC
Prepared: 8/23/16 15:20

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	08/26/16 11:33	CZH0471	CH62248
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	08/26/16 11:33	CZH0471	CH62248
2,4-D	ND (0.206)		8151A		1	08/26/16 11:33	CZH0471	CH62248
2,4-DB	ND (0.208)		8151A		1	08/26/16 11:33	CZH0471	CH62248
Dalapon	ND (0.199)		8151A		1	08/26/16 11:33	CZH0471	CH62248
Dicamba	**0.011** (0.010)		8151A		1	08/26/16 11:33	CZH0471	CH62248
Dichlorprop	ND (0.206)		8151A		1	08/26/16 11:33	CZH0471	CH62248
Dinoseb	ND (0.208)		8151A		1	08/26/16 11:33	CZH0471	CH62248
MCPA	ND (20.3)		8151A		1	08/26/16 11:33	CZH0471	CH62248
MCPP	ND (20.6)		8151A		1	08/26/16 11:33	CZH0471	CH62248

	%Recovery	Qualifier	Limits
Surrogate: DCAA	*93 %*		*30-150*
Surrogate: DCAA [2C]	*82 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/22/16 12:02

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
1,2,4-Trichlorobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
1,2-Dichlorobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
1,3-Dichlorobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
1,4-Dichlorobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,3,4,6-Tetrachlorophenol	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4,5-Trichlorophenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4,6-Trichlorophenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4-Dichlorophenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4-Dimethylphenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4-Dinitrophenol	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,4-Dinitrotoluene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2,6-Dinitrotoluene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Chloronaphthalene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Chlorophenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Methylnaphthalene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Methylphenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Nitroaniline	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
2-Nitrophenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
3,3´-Dichlorobenzidine	ND (0.751)		8270D		1	08/25/16 11:17	CZH0469	CH62221
3+4-Methylphenol	ND (0.751)		8270D		1	08/25/16 11:17	CZH0469	CH62221
3-Nitroaniline	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4,6-Dinitro-2-Methylphenol	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Bromophenyl-phenylether	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Chloro-3-Methylphenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Chloroaniline	ND (0.751)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Chloro-phenyl-phenyl ether	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Nitroaniline	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
4-Nitrophenol	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Acenaphthene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Acenaphthylene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Acetophenone	ND (0.751)		8270D		1	08/25/16 11:17	CZH0469	CH62221

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/22/16 12:02

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.751)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Anthracene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Azobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzo(a)anthracene	**0.603** (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzo(a)pyrene	**0.636** (0.188)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzo(b)fluoranthene	**0.900** (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzo(g,h,i)perylene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzo(k)fluoranthene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzoic Acid	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Benzyl Alcohol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
bis(2-Chloroethoxy)methane	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
bis(2-Chloroethyl)ether	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
bis(2-chloroisopropyl)Ether	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
bis(2-Ethylhexyl)phthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Butylbenzylphthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Carbazole	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Chrysene	**0.569** (0.188)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Dibenzo(a,h)Anthracene	ND (0.188)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Dibenzofuran	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Diethylphthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Dimethylphthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Di-n-butylphthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Di-n-octylphthalate	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Fluoranthene	**1.05** (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Fluorene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Hexachlorobenzene	ND (0.188)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Hexachlorobutadiene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Hexachlorocyclopentadiene	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Hexachloroethane	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Indeno(1,2,3-cd)Pyrene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Isophorone	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Naphthalene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/22/16 12:02

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
N-Nitrosodimethylamine	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
N-Nitroso-Di-n-Propylamine	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
N-nitrosodiphenylamine	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Pentachlorophenol	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Phenanthrene	**0.413** (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Phenol	ND (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Pyrene	**0.770** (0.375)		8270D		1	08/25/16 11:17	CZH0469	CH62221
Pyridine	ND (1.88)		8270D		1	08/25/16 11:17	CZH0469	CH62221

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*60 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*69 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*71 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**7.15** (N/A)		9045		1	JLK	08/22/16 20:22	S.U.	CH62247
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 23.7 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	EEM	08/23/16 13:20	°F	CH62321
Sulfur, Total, WT PCT	**1250** (100)		§		1	SUB	08/24/16 0:00	§	CH62631
Total Cyanide	ND (1.06)		9014		1	EEM	08/25/16 14:30	mg/kg dry	CH62521

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-39
Date Sampled: 08/22/16 11:11
Percent Solids: 87
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-01
Sample Matrix: Soil
Units: °C
Analyst: LAB
Prepared: 8/22/16 17:05

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**20.8** (N/A)		1311		1	LAB	08/23/16 9:13	CH62211
Temperature (Max C)	**23.1** (N/A)		1311		1	LAB	08/23/16 9:13	CH62211
Temperature (Range)	**Temperature is not within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/22/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1,1-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1,2,2-Tetrachloroethane	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1,2-Trichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,1-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2,3-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2,3-Trichloropropane	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2,4-Trichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2,4-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2-Dibromo-3-Chloropropane	ND (1.00)	0.200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2-Dibromoethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2-Dichloroethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,2-Dichloropropane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,3,5-Trimethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,3-Dichlorobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,3-Dichloropropane	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,4-Dichlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
1,4-Dioxane - Screen	ND (40.0)	38.0	8260B		1	08/23/16 15:51	CZH0432	CH62329
1-Chlorohexane	ND (0.200)	0.0800	8260B		1	08/23/16 15:51	CZH0432	CH62329
2,2-Dichloropropane	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
2-Butanone	ND (1.00)	0.680	8260B		1	08/23/16 15:51	CZH0432	CH62329
2-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
2-Hexanone	ND (1.00)	0.300	8260B		1	08/23/16 15:51	CZH0432	CH62329
4-Chlorotoluene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
4-Isopropyltoluene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
4-Methyl-2-Pentanone	ND (1.00)	0.320	8260B		1	08/23/16 15:51	CZH0432	CH62329
Acetone	**J 0.732** (1.00)	0.540	8260B		1	08/23/16 15:51	CZH0432	CH62329
Benzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Bromobenzene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/22/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Bromodichloromethane	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Bromoform	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Bromomethane	ND (0.200)	0.0800	8260B		1	08/23/16 15:51	CZH0432	CH62329
Carbon Disulfide	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Carbon Tetrachloride	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Chlorobenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Chloroethane	ND (0.200)	0.0800	8260B		1	08/23/16 15:51	CZH0432	CH62329
Chloroform	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Chloromethane	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
cis-1,2-Dichloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
cis-1,3-Dichloropropene	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Dibromochloromethane	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Dibromomethane	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Dichlorodifluoromethane	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Diethyl Ether	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Di-isopropyl ether	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Ethyl tertiary-butyl ether	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Ethylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Hexachlorobutadiene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Isopropylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Methyl tert-Butyl Ether	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
Methylene Chloride	ND (0.400)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Naphthalene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
n-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
n-Propylbenzene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
sec-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Styrene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
tert-Butylbenzene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Tertiary-amyl methyl ether	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Tetrachloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Tetrahydrofuran	ND (1.00)	0.320	8260B		1	08/23/16 15:51	CZH0432	CH62329

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Trip Blank
Date Sampled: 08/22/16 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1608591
ESS Laboratory Sample ID: 1608591-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
trans-1,2-Dichloroethene	ND (0.200)	0.0600	8260B		1	08/23/16 15:51	CZH0432	CH62329
trans-1,3-Dichloropropene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Trichloroethene	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Trichlorofluoromethane	ND (0.200)	0.0800	8260B		1	08/23/16 15:51	CZH0432	CH62329
Vinyl Acetate	ND (0.200)	0.100	8260B		1	08/23/16 15:51	CZH0432	CH62329
Vinyl Chloride	ND (0.200)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Xylene O	ND (0.200)	0.0200	8260B		1	08/23/16 15:51	CZH0432	CH62329
Xylene P,M	ND (0.400)	0.0400	8260B		1	08/23/16 15:51	CZH0432	CH62329
Xylenes (Total)	ND (0.400)		8260B		1	08/23/16 15:51		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*85 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*93 %*		*70-130*
Surrogate: Toluene-d8	*91 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CH62202 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	3.25	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	145	9.26	mg/kg wet	161.0		90	80-120			
Barium	309	9.26	mg/kg wet	351.0		88	80-120			
Cadmium	186	1.85	mg/kg wet	190.0		98	80-120			
Chromium	85.6	3.70	mg/kg wet	87.90		97	80-120			
Lead	133	18.5	mg/kg wet	138.0		96	80-120			
Selenium	318	23.1	mg/kg wet	305.0		104	80-120			
Silver	59.2	1.85	mg/kg wet	58.00		102	80-120			
LCS Dup										
Arsenic	143	8.06	mg/kg wet	161.0		89	80-120	1	20	
Barium	335	8.06	mg/kg wet	351.0		95	80-120	8	20	
Cadmium	176	1.61	mg/kg wet	190.0		92	80-120	6	20	
Chromium	81.0	3.23	mg/kg wet	87.90		92	80-120	6	20	
Lead	126	16.1	mg/kg wet	138.0		91	80-120	5	20	
Selenium	299	20.2	mg/kg wet	305.0		98	80-120	6	30	
Silver	56.2	1.61	mg/kg wet	58.00		97	80-120	5	20	
Batch CH62204 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	17.6	1.55	mg/kg wet	15.90		111	80-120			
LCS Dup										
Mercury	17.0	1.83	mg/kg wet	15.90		107	80-120	4	20	
1311 TCLP Metals										
Batch CH62303 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.494	0.050	mg/L	0.5000		99	80-120			
LCS Dup										
Lead	0.485	0.050	mg/L	0.5000		97	80-120	2	20	
5035/8260B Volatile Organic Compounds / Methanol										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.57*		mg/kg wet	*5.000*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.38*		mg/kg wet	*5.000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*4.73*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Toluene-d8	*4.49*		mg/kg wet	*5.000*		*90*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,1,1-Trichloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1,2,2-Tetrachloroethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,1,2-Trichloroethane	1.78	0.200	mg/kg wet	2.000		89	70-130			
1,1-Dichloroethane	1.91	0.200	mg/kg wet	2.000		95	70-130			
1,1-Dichloroethene	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,1-Dichloropropene	1.90	0.200	mg/kg wet	2.000		95	70-130			
1,2,3-Trichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,2,3-Trichloropropane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,4-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2,4-Trimethylbenzene	1.91	0.200	mg/kg wet	2.000		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
1,2-Dibromo-3-Chloropropane	1.68	1.00	mg/kg wet	2.000		84	70-130			
1,2-Dibromoethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichlorobenzene	2.09	0.200	mg/kg wet	2.000		105	70-130			
1,2-Dichloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dichloropropane	1.87	0.200	mg/kg wet	2.000		93	70-130			
1,3,5-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,3-Dichlorobenzene	2.11	0.200	mg/kg wet	2.000		105	70-130			
1,3-Dichloropropane	1.93	0.200	mg/kg wet	2.000		97	70-130			
1,4-Dichlorobenzene	2.10	0.200	mg/kg wet	2.000		105	70-130			
1,4-Dioxane - Screen	53.8	40.0	mg/kg wet	40.00		135	44-241			
1-Chlorohexane	1.86	0.200	mg/kg wet	2.000		93	70-130			
2,2-Dichloropropane	1.89	0.200	mg/kg wet	2.000		95	70-130			
2-Butanone	9.36	1.00	mg/kg wet	10.00		94	70-130			
2-Chlorotoluene	2.05	0.200	mg/kg wet	2.000		103	70-130			
2-Hexanone	9.09	1.00	mg/kg wet	10.00		91	70-130			
4-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	1.97	0.200	mg/kg wet	2.000		98	70-130			
4-Methyl-2-Pentanone	9.04	1.00	mg/kg wet	10.00		90	70-130			
Acetone	8.60	1.00	mg/kg wet	10.00		86	70-130			
Benzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Bromobenzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
Bromochloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
Bromodichloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
Bromoform	1.69	0.200	mg/kg wet	2.000		85	70-130			
Bromomethane	2.26	0.200	mg/kg wet	2.000		113	70-130			
Carbon Disulfide	2.00	0.200	mg/kg wet	2.000		100	70-130			
Carbon Tetrachloride	1.95	0.200	mg/kg wet	2.000		98	70-130			
Chlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Chloroethane	1.66	0.200	mg/kg wet	2.000		83	70-130			
Chloroform	1.88	0.200	mg/kg wet	2.000		94	70-130			
Chloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
cis-1,2-Dichloroethene	1.91	0.200	mg/kg wet	2.000		95	70-130			
cis-1,3-Dichloropropene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Dibromochloromethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
Dibromomethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
Dichlorodifluoromethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
Diethyl Ether	1.84	0.200	mg/kg wet	2.000		92	70-130			
Di-isopropyl ether	1.96	0.200	mg/kg wet	2.000		98	70-130			
Ethyl tertiary-butyl ether	1.87	0.200	mg/kg wet	2.000		94	70-130			
Ethylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
Hexachlorobutadiene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Isopropylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Methyl tert-Butyl Ether	2.00	0.200	mg/kg wet	2.000		100	70-130			
Methylene Chloride	1.95	0.400	mg/kg wet	2.000		98	70-130			
Naphthalene	2.13	0.200	mg/kg wet	2.000		106	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
n-Butylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
n-Propylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Styrene	1.90	0.200	mg/kg wet	2.000		95	70-130			
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Tertiary-amyl methyl ether	2.09	0.200	mg/kg wet	2.000		104	70-130			
Tetrachloroethene	1.53	0.200	mg/kg wet	2.000		76	70-130			
Tetrahydrofuran	1.90	1.00	mg/kg wet	2.000		95	70-130			
Toluene	1.93	0.200	mg/kg wet	2.000		96	70-130			
trans-1,2-Dichloroethene	1.87	0.200	mg/kg wet	2.000		94	70-130			
trans-1,3-Dichloropropene	1.66	0.200	mg/kg wet	2.000		83	70-130			
Trichloroethene	1.90	0.200	mg/kg wet	2.000		95	70-130			
Vinyl Acetate	1.86	0.200	mg/kg wet	2.000		93	70-130			
Vinyl Chloride	1.90	0.200	mg/kg wet	2.000		95	70-130			
Xylene O	2.01	0.200	mg/kg wet	2.000		100	70-130			
Xylene P,M	4.10	0.400	mg/kg wet	4.000		102	70-130			
Xylenes (Total)	6.11	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.14*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*5.29*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Toluene-d8	*5.35*		mg/kg wet	*5.000*		*107*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.85	0.200	mg/kg wet	2.000		93	70-130	5	25	
1,1,1-Trichloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130	4	25	
1,1,2,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	0.5	25	
1,1,2-Trichloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,1-Dichloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130	1	25	
1,1-Dichloroethene	1.98	0.200	mg/kg wet	2.000		99	70-130	5	25	
1,1-Dichloropropene	1.76	0.200	mg/kg wet	2.000		88	70-130	8	25	
1,2,3-Trichlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130	2	25	
1,2,3-Trichloropropane	1.69	0.200	mg/kg wet	2.000		85	70-130	9	25	
1,2,4-Trichlorobenzene	1.85	0.200	mg/kg wet	2.000		93	70-130	6	25	
1,2,4-Trimethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,2-Dibromo-3-Chloropropane	1.78	1.00	mg/kg wet	2.000		89	70-130	6	25	
1,2-Dibromoethane	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
1,2-Dichlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	0.8	25	
1,2-Dichloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130	7	25	
1,2-Dichloropropane	1.95	0.200	mg/kg wet	2.000		97	70-130	4	25	
1,3,5-Trimethylbenzene	1.93	0.200	mg/kg wet	2.000		96	70-130	4	25	
1,3-Dichlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	1	25	
1,3-Dichloropropane	1.84	0.200	mg/kg wet	2.000		92	70-130	5	25	
1,4-Dichlorobenzene	2.07	0.200	mg/kg wet	2.000		103	70-130	2	25	
1,4-Dioxane - Screen	43.8	40.0	mg/kg wet	40.00		109	44-241	21	200	
1-Chlorohexane	1.94	0.200	mg/kg wet	2.000		97	70-130	4	25	
2,2-Dichloropropane	1.76	0.200	mg/kg wet	2.000		88	70-130	7	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
2-Butanone	9.28	1.00	mg/kg wet	10.00		93	70-130	0.8	25	
2-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		98	70-130	4	25	
2-Hexanone	9.08	1.00	mg/kg wet	10.00		91	70-130	0.1	25	
4-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	
4-Isopropyltoluene	1.96	0.200	mg/kg wet	2.000		98	70-130	0.2	25	
4-Methyl-2-Pentanone	8.72	1.00	mg/kg wet	10.00		87	70-130	4	25	
Acetone	8.30	1.00	mg/kg wet	10.00		83	70-130	3	25	
Benzene	1.93	0.200	mg/kg wet	2.000		97	70-130	1	25	
Bromobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	5	25	
Bromochloromethane	1.95	0.200	mg/kg wet	2.000		97	70-130	1	25	
Bromodichloromethane	1.93	0.200	mg/kg wet	2.000		96	70-130	3	25	
Bromoform	1.54	0.200	mg/kg wet	2.000		77	70-130	9	25	
Bromomethane	2.10	0.200	mg/kg wet	2.000		105	70-130	7	25	
Carbon Disulfide	1.97	0.200	mg/kg wet	2.000		98	70-130	1	25	
Carbon Tetrachloride	1.87	0.200	mg/kg wet	2.000		93	70-130	4	25	
Chlorobenzene	1.99	0.200	mg/kg wet	2.000		99	70-130	2	25	
Chloroethane	1.70	0.200	mg/kg wet	2.000		85	70-130	2	25	
Chloroform	1.81	0.200	mg/kg wet	2.000		90	70-130	4	25	
Chloromethane	1.72	0.200	mg/kg wet	2.000		86	70-130	4	25	
cis-1,2-Dichloroethene	1.94	0.200	mg/kg wet	2.000		97	70-130	1	25	
cis-1,3-Dichloropropene	1.93	0.200	mg/kg wet	2.000		96	70-130	5	25	
Dibromochloromethane	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Dibromomethane	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Dichlorodifluoromethane	1.93	0.200	mg/kg wet	2.000		96	70-130	0.8	25	
Diethyl Ether	1.61	0.200	mg/kg wet	2.000		80	70-130	13	25	
Di-isopropyl ether	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
Ethyl tertiary-butyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
Ethylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	3	25	
Hexachlorobutadiene	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
Isopropylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	
Methyl tert-Butyl Ether	1.85	0.200	mg/kg wet	2.000		92	70-130	8	25	
Methylene Chloride	1.94	0.400	mg/kg wet	2.000		97	70-130	0.5	25	
Naphthalene	1.92	0.200	mg/kg wet	2.000		96	70-130	10	25	
n-Butylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	4	25	
n-Propylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
sec-Butylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	0.2	25	
Styrene	1.83	0.200	mg/kg wet	2.000		92	70-130	4	25	
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	0.2	25	
Tertiary-amyl methyl ether	1.87	0.200	mg/kg wet	2.000		94	70-130	11	25	
Tetrachloroethene	1.41	0.200	mg/kg wet	2.000		70	70-130	8	25	
Tetrahydrofuran	1.72	1.00	mg/kg wet	2.000		86	70-130	10	25	
Toluene	1.85	0.200	mg/kg wet	2.000		92	70-130	4	25	
trans-1,2-Dichloroethene	1.84	0.200	mg/kg wet	2.000		92	70-130	2	25	
trans-1,3-Dichloropropene	1.63	0.200	mg/kg wet	2.000		82	70-130	2	25	
Trichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130	5	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CH62329 - 5035										
Vinyl Acetate	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Vinyl Chloride	2.03	0.200	mg/kg wet	2.000		102	70-130	7	25	
Xylene O	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Xylene P,M	3.97	0.400	mg/kg wet	4.000		99	70-130	3	25	
Xylenes (Total)	5.93	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.97*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.01*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*5.27*		mg/kg wet	*5.000*		*105*	*70-130*			
8081B Organochlorine Pesticides										
Batch CH62515 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62515 - 3546										
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0107*		mg/kg wet	*0.01250*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0104*		mg/kg wet	*0.01250*		*83*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0109*		mg/kg wet	*0.01250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0120*		mg/kg wet	*0.01250*		*96*	*30-150*			
LCS										
4,4´-DDD	0.0111	0.0025	mg/kg wet	0.01250		89	40-140			
4,4´-DDD [2C]	0.0106	0.0025	mg/kg wet	0.01250		85	40-140			
4,4´-DDE	0.0118	0.0025	mg/kg wet	0.01250		94	40-140			
4,4´-DDE [2C]	0.0111	0.0025	mg/kg wet	0.01250		88	40-140			
4,4´-DDT	0.0122	0.0025	mg/kg wet	0.01250		97	40-140			
4,4´-DDT [2C]	0.0117	0.0025	mg/kg wet	0.01250		94	40-140			
Aldrin	0.0108	0.0025	mg/kg wet	0.01250		87	40-140			
Aldrin [2C]	0.0108	0.0025	mg/kg wet	0.01250		87	40-140			
alpha-BHC	0.0104	0.0025	mg/kg wet	0.01250		83	40-140			
alpha-BHC [2C]	0.0111	0.0025	mg/kg wet	0.01250		89	40-140			
alpha-Chlordane	0.0104	0.0025	mg/kg wet	0.01250		83	40-140			
alpha-Chlordane [2C]	0.0105	0.0025	mg/kg wet	0.01250		84	40-140			
beta-BHC	0.0109	0.0025	mg/kg wet	0.01250		87	40-140			
beta-BHC [2C]	0.0108	0.0025	mg/kg wet	0.01250		86	40-140			
delta-BHC	0.0091	0.0025	mg/kg wet	0.01250		73	40-140			
delta-BHC [2C]	0.0098	0.0025	mg/kg wet	0.01250		79	40-140			
Dieldrin	0.0114	0.0025	mg/kg wet	0.01250		91	40-140			
Dieldrin [2C]	0.0113	0.0025	mg/kg wet	0.01250		90	40-140			
Endosulfan I	0.0102	0.0025	mg/kg wet	0.01250		81	40-140			
Endosulfan I [2C]	0.0106	0.0025	mg/kg wet	0.01250		85	40-140			
Endosulfan II	0.0103	0.0025	mg/kg wet	0.01250		83	40-140			
Endosulfan II [2C]	0.0100	0.0025	mg/kg wet	0.01250		80	40-140			
Endosulfan Sulfate	0.0101	0.0025	mg/kg wet	0.01250		81	40-140			
Endosulfan Sulfate [2C]	0.0102	0.0025	mg/kg wet	0.01250		81	40-140			
Endrin	0.0110	0.0025	mg/kg wet	0.01250		88	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62515 - 3546										
Endrin [2C]	0.0108	0.0025	mg/kg wet	0.01250		86	40-140			
Endrin Aldehyde	0.0082	0.0025	mg/kg wet	0.01250		65	40-140			
Endrin Aldehyde [2C]	0.0080	0.0025	mg/kg wet	0.01250		64	40-140			
Endrin Ketone	0.0105	0.0025	mg/kg wet	0.01250		84	40-140			
Endrin Ketone [2C]	0.0103	0.0025	mg/kg wet	0.01250		83	40-140			
gamma-BHC (Lindane)	0.0106	0.0015	mg/kg wet	0.01250		85	40-140			
gamma-BHC (Lindane) [2C]	0.0109	0.0015	mg/kg wet	0.01250		87	40-140			
gamma-Chlordane	0.0106	0.0025	mg/kg wet	0.01250		85	40-140			
gamma-Chlordane [2C]	0.0109	0.0025	mg/kg wet	0.01250		87	40-140			
Heptachlor	0.0105	0.0025	mg/kg wet	0.01250		84	40-140			
Heptachlor [2C]	0.0112	0.0025	mg/kg wet	0.01250		90	40-140			
Heptachlor Epoxide	0.0109	0.0025	mg/kg wet	0.01250		87	40-140			
Heptachlor Epoxide [2C]	0.0112	0.0025	mg/kg wet	0.01250		89	40-140			
Hexachlorobenzene	0.0111	0.0025	mg/kg wet	0.01250		89	40-140			
Hexachlorobenzene [2C]	0.0117	0.0025	mg/kg wet	0.01250		94	40-140			
Methoxychlor	0.0115	0.0025	mg/kg wet	0.01250		92	40-140			
Methoxychlor [2C]	0.0118	0.0025	mg/kg wet	0.01250		94	40-140			
Surrogate: Decachlorobiphenyl	*0.0103*		mg/kg wet	*0.01250*		*82*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0100*		mg/kg wet	*0.01250*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0106*		mg/kg wet	*0.01250*		*84*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0117*		mg/kg wet	*0.01250*		*94*	*30-150*			
LCS Dup										
4,4´-DDD	0.0117	0.0025	mg/kg wet	0.01250		93	40-140	5	30	
4,4´-DDD [2C]	0.0111	0.0025	mg/kg wet	0.01250		88	40-140	4	30	
4,4´-DDE	0.0123	0.0025	mg/kg wet	0.01250		99	40-140	5	30	
4,4´-DDE [2C]	0.0114	0.0025	mg/kg wet	0.01250		92	40-140	3	30	
4,4´-DDT	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	5	30	
4,4´-DDT [2C]	0.0123	0.0025	mg/kg wet	0.01250		99	40-140	5	30	
Aldrin	0.0114	0.0025	mg/kg wet	0.01250		91	40-140	5	30	
Aldrin [2C]	0.0115	0.0025	mg/kg wet	0.01250		92	40-140	6	30	
alpha-BHC	0.0114	0.0025	mg/kg wet	0.01250		91	40-140	9	30	
alpha-BHC [2C]	0.0117	0.0025	mg/kg wet	0.01250		94	40-140	6	30	
alpha-Chlordane	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	5	30	
alpha-Chlordane [2C]	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	5	30	
beta-BHC	0.0111	0.0025	mg/kg wet	0.01250		89	40-140	2	30	
beta-BHC [2C]	0.0112	0.0025	mg/kg wet	0.01250		90	40-140	4	30	
delta-BHC	0.0093	0.0025	mg/kg wet	0.01250		74	40-140	2	30	
delta-BHC [2C]	0.0102	0.0025	mg/kg wet	0.01250		82	40-140	4	30	
Dieldrin	0.0121	0.0025	mg/kg wet	0.01250		96	40-140	5	30	
Dieldrin [2C]	0.0118	0.0025	mg/kg wet	0.01250		94	40-140	4	30	
Endosulfan I	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	7	30	
Endosulfan I [2C]	0.0111	0.0025	mg/kg wet	0.01250		89	40-140	4	30	
Endosulfan II	0.0108	0.0025	mg/kg wet	0.01250		86	40-140	5	30	
Endosulfan II [2C]	0.0104	0.0025	mg/kg wet	0.01250		83	40-140	4	30	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CH62515 - 3546										
Endosulfan Sulfate	0.0108	0.0025	mg/kg wet	0.01250		86	40-140	7	30	
Endosulfan Sulfate [2C]	0.0107	0.0025	mg/kg wet	0.01250		86	40-140	5	30	
Endrin	0.0115	0.0025	mg/kg wet	0.01250		92	40-140	5	30	
Endrin [2C]	0.0112	0.0025	mg/kg wet	0.01250		90	40-140	4	30	
Endrin Aldehyde	0.0095	0.0025	mg/kg wet	0.01250		76	40-140	15	30	
Endrin Aldehyde [2C]	0.0091	0.0025	mg/kg wet	0.01250		73	40-140	13	30	
Endrin Ketone	0.0111	0.0025	mg/kg wet	0.01250		89	40-140	6	30	
Endrin Ketone [2C]	0.0109	0.0025	mg/kg wet	0.01250		87	40-140	5	30	
gamma-BHC (Lindane)	0.0111	0.0015	mg/kg wet	0.01250		89	40-140	5	30	
gamma-BHC (Lindane) [2C]	0.0115	0.0015	mg/kg wet	0.01250		92	40-140	5	30	
gamma-Chlordane	0.0113	0.0025	mg/kg wet	0.01250		90	40-140	6	30	
gamma-Chlordane [2C]	0.0114	0.0025	mg/kg wet	0.01250		91	40-140	5	30	
Heptachlor	0.0110	0.0025	mg/kg wet	0.01250		88	40-140	5	30	
Heptachlor [2C]	0.0120	0.0025	mg/kg wet	0.01250		96	40-140	7	30	
Heptachlor Epoxide	0.0116	0.0025	mg/kg wet	0.01250		93	40-140	6	30	
Heptachlor Epoxide [2C]	0.0117	0.0025	mg/kg wet	0.01250		94	40-140	5	30	
Hexachlorobenzene	0.0118	0.0025	mg/kg wet	0.01250		95	40-140	6	30	
Hexachlorobenzene [2C]	0.0122	0.0025	mg/kg wet	0.01250		98	40-140	4	30	
Methoxychlor	0.0122	0.0025	mg/kg wet	0.01250		97	40-140	6	30	
Methoxychlor [2C]	0.0124	0.0025	mg/kg wet	0.01250		100	40-140	6	30	
Surrogate: Decachlorobiphenyl	*0.0105*		mg/kg wet	*0.01250*		*84*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0102*		mg/kg wet	*0.01250*		*81*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0107*		mg/kg wet	*0.01250*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0118*		mg/kg wet	*0.01250*		*94*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CH62214 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0177*		mg/kg wet	*0.02500*		*71*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0198*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0153*		mg/kg wet	*0.02500*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0167*		mg/kg wet	*0.02500*		*67*	*30-150*			
LCS										
Aroclor 1016	0.447	0.0500	mg/kg wet	0.5000		89	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH62214 - 3540C										
Aroclor 1260	0.444	0.0500	mg/kg wet	0.5000		89	40-140			
Surrogate: Decachlorobiphenyl	*0.0202*		mg/kg wet	*0.02500*		*81*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0224*		mg/kg wet	*0.02500*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0196*		mg/kg wet	*0.02500*		*78*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0198*		mg/kg wet	*0.02500*		*79*	*30-150*			
LCS Dup										
Aroclor 1016	0.439	0.0500	mg/kg wet	0.5000		88	40-140	2	30	
Aroclor 1260	0.441	0.0500	mg/kg wet	0.5000		88	40-140	0.5	30	
Surrogate: Decachlorobiphenyl	*0.0201*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0225*		mg/kg wet	*0.02500*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0188*		mg/kg wet	*0.02500*		*75*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0191*		mg/kg wet	*0.02500*		*76*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CH62313 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.70*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonadecane (C19)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CH62313 - 3546										
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	27.5	37.5	mg/kg wet	35.00		78	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*4.76*		mg/kg wet	*5.000*		*95*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		79	40-140	2	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		97	40-140	9	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		96	40-140	7	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140	9	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		90	40-140	4	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	6	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		70	30-140	2	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		97	40-140	9	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140	9	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Total Petroleum Hydrocarbons	29.7	37.5	mg/kg wet	35.00		85	40-140	8	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		97	40-140	9	25	
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
8151A Chlorinated Herbicides										
Batch CH62248 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH62248 - 3546										
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*14.3*		mg/kg wet	*20.00*		*72*	*30-150*			
Surrogate: DCAA [2C]	*12.3*		mg/kg wet	*20.00*		*62*	*30-150*			
LCS										
2,4,5-T	0.012	0.010	mg/kg wet	0.01900		64	40-140			
2,4,5-T [2C]	0.013	0.010	mg/kg wet	0.01900		66	40-140			
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		72	40-140			
2,4,5-TP (Silvex) [2C]	0.013	0.010	mg/kg wet	0.01900		70	40-140			
2,4-D	0.138	0.188	mg/kg wet	0.1880		73	40-140			
2,4-D [2C]	0.149	0.188	mg/kg wet	0.1880		79	40-140			
2,4-DB	0.128	0.190	mg/kg wet	0.1900		67	40-140			
2,4-DB [2C]	0.118	0.190	mg/kg wet	0.1900		62	40-140			
Dalapon	0.186	0.182	mg/kg wet	0.4550		41	40-140			
Dalapon [2C]	0.219	0.182	mg/kg wet	0.4550		48	40-140			
Dicamba	0.013	0.009	mg/kg wet	0.01880		68	40-140			
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		72	40-140			
Dichlorprop	0.147	0.188	mg/kg wet	0.1880		78	40-140			
Dichlorprop [2C]	0.177	0.188	mg/kg wet	0.1880		94	40-140			
Dinoseb	0.019	0.190	mg/kg wet	0.09500		20	10-100			
Dinoseb [2C]	0.022	0.190	mg/kg wet	0.09500		24	10-100			
MCPA	13.9	18.6	mg/kg wet	18.60		75	40-140			
MCPA [2C]	13.4	18.6	mg/kg wet	18.60		72	40-140			
MCPP	13.0	18.8	mg/kg wet	18.80		69	40-140			
MCPP [2C]	15.3	18.8	mg/kg wet	18.80		82	40-140			
Surrogate: DCAA	*19.7*		mg/kg wet	*20.00*		*98*	*30-150*			
Surrogate: DCAA [2C]	*17.8*		mg/kg wet	*20.00*		*89*	*30-150*			
LCS Dup										
2,4,5-T	0.015	0.010	mg/kg wet	0.01900		80	40-140	22	30	
2,4,5-T [2C]	0.015	0.010	mg/kg wet	0.01900		80	40-140	19	30	
2,4,5-TP (Silvex)	0.016	0.010	mg/kg wet	0.01900		84	40-140	15	30	
2,4,5-TP (Silvex) [2C]	0.015	0.010	mg/kg wet	0.01900		80	40-140	13	30	
2,4-D	0.157	0.188	mg/kg wet	0.1880		84	40-140	13	30	
2,4-D [2C]	0.174	0.188	mg/kg wet	0.1880		93	40-140	15	30	
2,4-DB	0.152	0.190	mg/kg wet	0.1900		80	40-140	17	30	
2,4-DB [2C]	0.154	0.190	mg/kg wet	0.1900		81	40-140	27	30	
Dalapon	0.224	0.182	mg/kg wet	0.4550		49	40-140	18	30	
Dalapon [2C]	0.256	0.182	mg/kg wet	0.4550		56	40-140	16	30	
Dicamba	0.015	0.009	mg/kg wet	0.01880		80	40-140	16	30	
Dicamba [2C]	0.014	0.009	mg/kg wet	0.01880		76	40-140	5	30	
Dichlorprop	0.162	0.188	mg/kg wet	0.1880		86	40-140	9	30	
Dichlorprop [2C]	0.172	0.188	mg/kg wet	0.1880		91	40-140	3	30	
Dinoseb	0.026	0.190	mg/kg wet	0.09500		28	10-100	34	30	D+
Dinoseb [2C]	0.029	0.190	mg/kg wet	0.09500		30	10-100	25	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CH62248 - 3546										
MCPA	44.3	18.6	mg/kg wet	18.60		238	40-140	104	30	B+, D+
MCPA [2C]	15.0	18.6	mg/kg wet	18.60		81	40-140	11	30	
MCPP	17.5	18.8	mg/kg wet	18.80		93	40-140	29	30	
MCPP [2C]	17.0	18.8	mg/kg wet	18.80		90	40-140	10	30	
Surrogate: DCAA	*18.6*		mg/kg wet	*20.00*		*93*	*30-150*			
Surrogate: DCAA [2C]	*17.0*		mg/kg wet	*20.00*		*85*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Classical Chemistry										
Batch CH62321 - General Preparation										
Reference										
Flashpoint	81		°F	81.00		100	97.9-102.1			
Batch CH62521 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.01	1.00	mg/kg wet	5.015		100	90-110			
Reference										
Total Cyanide	50.0	4.87	mg/kg wet	48.40		103	36.1577-206.612			
Reference										
Total Cyanide	49.9	4.90	mg/kg wet	48.40		103	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

Notes and Definitions

Z18	Temperature is not within 23 +/-2 ºC.
Z-10	Soil pH measured in water at 23.7 ºC.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
P	Percent difference between primary and confirmation results exceeds 40% (P).
LC	Lower value is used due to matrix interferences (LC).
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B	Present in Method Blank (B).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1608591

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

PESTICIDES BREAKDOWN CHECK SUMMARY

Data File Name GI058942.D
Data File Path Q:\SVOA\GC7_GI\DATA\GI0816\GI082516\
Date Acquired 8-25-2016 07:58:05 PM

Sample Name **CZH0486-PEM1**
Instrument Name SVOAGC7

#	Name	Ret Time 1	Ret Time 2	Response 1	Response 2
1)	Tetrachloro-m-xylene	7.91	8.83	3784755903	1984112274
13)	4,4'-DDE	13.36	14.68	35266908.85	20150209.51
16)	Endrin	14.32	15.58	7832405276	3604254348
17)	4,4'-DDD	14.45	15.74	217425612.2	164831080.1
19)	4,4'-DDT	14.95	16.29	6179830150	2781362799
20)	Endrin Aldehyde	15.47	16.56	12957447.18	9901438.2
23)	Endrin Ketone	16.76	18.09	43069456.54	22309836.46
29)	Decachlorobiphenyl	18.63	20.85	2386209588	1338530668

Breakdown Column 1	**Endrin:**	**0.71 %**
	4,4'-DDT:	**3.93 %**
	Total:	**4.64 %**
Breakdown Column 2	**Endrin:**	**0.89 %**
	4,4'-DDT:	**6.24 %**
	Total:	**7.12 %**

Passing Criteria (for each column):
Individual breakdown is not to exceed 15.0%

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date August 26, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Sample

Samples Analyzed

Enclosed are Report No(s): 56745

****Results reported on 'dry basis'.**

Blank = <0.05mg/kg

LCS 0.100 = 0.091mg/kg

ICV 1.00 = 1.01mg/kg

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

8/26/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
This report may not be reproduced, except in full, without written approval from Sterling Analytical, Inc.

Sample Analysis

Work Order 16-1262

Sample	Description	Source	Taken/Time	Received
56745	1608591-01	ESS Laboratory	8/22/16	8/23/16

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	1,250	mg/kg	100.00	Special method	08/24/16	dfp

(1) MA & CT do not certify this parameter

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608591

Turn Time **DUE 8/29/16**

Reporting Limits - **RDEC**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electronic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY
Project #:
Project Name: 1608591
Contact Person: Shawn Morrell
Address:
City:
State:
Zip:
PO #: B02409
Tel.:
email: smorrell@thielsch.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010
	8/22/16	1111	G	S	1608591-01	1	1	AG	4 oz	X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA:____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
8/23/16 11:37			8/23/16
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1608591
Date Received: 8/22/2016
Project Due Date: 8/29/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? NA
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 3.6 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs: G1
    Analysis: Total Sulfur
    TAT: STD
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
    b. Low Level VOAs brought to freezer: Date: _____ Time: _____ By: _____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	62726	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62727	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62728	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	62730	Yes	No	Yes	VOA Vial - Methanol	MeOH	
02	62729	Yes	No	Yes	VOA Vial - Methanol	MeOH	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Adam B. [illegible] Date & Time: 8/22/16 1513
Reviewed By: [illegible] Date & Time: 8/22/16 1517
Delivered By: [illegible] 8/22/16 1517

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1608591

Turn Time ____ (Standard) Other ____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other ____

Electonic Deliverables (Excel) Access (PDF)

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Co. Name: GZA
Contact Person: Meg Kilpatrick
Project #: 33554.90
Project Name: 121 Terminal Rd. Access Rd.
Address: 530 Broadway
City: Providence
State: RI
Zip: 02909
PO #:
Tel.: 401-421-4140
Fax:
email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 metals	PCB's 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	PH	Flashpoint
1	8/22/16	11:11	G	S	P-39	6,1	4	AG,V	40oz.	X	X	X	X	X	X	X	X	X	X
2	8/22/16	8:00	G	S	Trip blank	6	1	V	40mL		X								

X Pesticides
X Herbicides

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ✓ No NA: ____

Cooler Temperature: 3.6 Ice 8/22/16

Internal Use Only
[ ] Pickup
[ ] Technician (PO)

Sampled by: Matthew Mute

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matt Mute 8/22/16 15:00	8/22/16 1500		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1609180

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:03 pm, Sep 20, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

SAMPLE RECEIPT

The following samples were received on September 09, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1609180-01	Berm	Soil	6010C, 6020A, 7471B, 8100M, 8260B, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609180

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

1609180-01 **Present in Method Blank (B).**
Acetone

CI61316-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (34% @ 25%)

8081B Organochlorine Pesticides

CZI0136-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (22% @ 20%), Decachlorobiphenyl [2C] (28% @ 20%), Tetrachloro-m-xylene [2C] (21% @ 20%)

CZI0136-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl [2C] (22% @ 20%)

CZI0202-CCV6 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
delta-BHC (24% @ 20%)

8100M Total Petroleum Hydrocarbons

CI60915-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Dodecane (C12) (55% @ 25%)

CZI0139-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Triacontane (C30) (30% @ 20%)

8270D Semi-Volatile Organic Compounds

CI60818-BS1 **Blank Spike recovery is below lower control limit (B-).**
3,3´-Dichlorobenzidine (38% @ 40-140%), Hexachlorocyclopentadiene (% @ 40-140%)

CI60818-BSD1 **Blank Spike recovery is below lower control limit (B-).**
3,3´-Dichlorobenzidine (7% @ 40-140%), Hexachlorocyclopentadiene (% @ 40-140%)

CI60818-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
2,4-Dinitrophenol (31% @ 30%), 3,3´-Dichlorobenzidine (141% @ 30%), Benzoic Acid (59% @ 30%), Hexachlorocyclopentadiene (200% @ 30%), Pentachlorophenol (47% @ 30%)

CZI0096-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (97% @ 80-120%), Benzoic Acid (95% @ 80-120%), Di-n-octylphthalate (99% @ 80-120%)

CZI0143-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (141% @ 80-120%), Benzoic Acid (111% @ 80-120%), Di-n-octylphthalate (88% @ 80-120%)

CZI0143-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (41% @ 20%), 4,6-Dinitro-2-Methylphenol (23% @ 20%), Benzo(g,h,i)perylene (32% @ 20%), Dibenzo(a,h)Anthracene (28% @ 20%), Indeno(1,2,3-cd)Pyrene (27% @ 20%)

CZI0162-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (81% @ 80-120%), Benzoic Acid (90% @ 80-120%)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609180

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (0.48)		6020A		20	NAR	09/14/16 11:09	2.28	100	CI61202
Arsenic	**5.46** (4.77)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Beryllium	**0.60** (0.21)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Cadmium	ND (0.95)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Chromium	**7.46** (1.91)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Copper	**19.1** (4.77)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Lead	**26.3** (9.55)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Mercury	ND (0.032)		7471B		1	BJV	09/13/16 11:37	0.68	40	CI61205
Nickel	**11.3** (4.77)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Selenium	ND (0.48)		6020A		20	NAR	09/14/16 11:09	2.28	100	CI61202
Silver	ND (0.95)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202
Thallium	ND (0.48)		6020A		20	NAR	09/14/16 11:09	2.28	100	CI61202
Zinc	**76.4** (4.77)		6010C		2	KJK	09/13/16 18:46	2.28	100	CI61202

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1,1-Trichloroethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1,2,2-Tetrachloroethane	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1,2-Trichloroethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1-Dichloroethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1-Dichloroethene	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,1-Dichloropropene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2,3-Trichlorobenzene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2,3-Trichloropropane	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2,4-Trichlorobenzene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2,4-Trimethylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2-Dibromo-3-Chloropropane	ND (1.21)	0.241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2-Dibromoethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2-Dichlorobenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2-Dichloroethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,2-Dichloropropane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,3,5-Trimethylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,3-Dichlorobenzene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,3-Dichloropropane	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,4-Dichlorobenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
1,4-Dioxane - Screen	ND (48.3)	45.8	8260B		1	09/13/16 12:30	CZI0167	CI61316
1-Chlorohexane	ND (0.241)	0.0965	8260B		1	09/13/16 12:30	CZI0167	CI61316
2,2-Dichloropropane	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
2-Butanone	ND (1.21)	0.820	8260B		1	09/13/16 12:30	CZI0167	CI61316
2-Chlorotoluene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
2-Hexanone	ND (1.21)	0.362	8260B		1	09/13/16 12:30	CZI0167	CI61316
4-Chlorotoluene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
4-Isopropyltoluene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
4-Methyl-2-Pentanone	ND (1.21)	0.386	8260B		1	09/13/16 12:30	CZI0167	CI61316
Acetone	**B, J 1.16** (1.21)	0.652	8260B		1	09/13/16 12:30	CZI0167	CI61316
Benzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Bromobenzene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Bromodichloromethane	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Bromoform	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Bromomethane	ND (0.241)	0.0965	8260B		1	09/13/16 12:30	CZI0167	CI61316
Carbon Disulfide	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Carbon Tetrachloride	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Chlorobenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Chloroethane	ND (0.241)	0.0965	8260B		1	09/13/16 12:30	CZI0167	CI61316
Chloroform	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Chloromethane	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
cis-1,2-Dichloroethene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
cis-1,3-Dichloropropene	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Dibromochloromethane	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Dibromomethane	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Dichlorodifluoromethane	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Diethyl Ether	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Di-isopropyl ether	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Ethyl tertiary-butyl ether	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Ethylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Hexachlorobutadiene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Isopropylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Methyl tert-Butyl Ether	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
Methylene Chloride	ND (0.483)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Naphthalene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
n-Butylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
n-Propylbenzene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
sec-Butylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Styrene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
tert-Butylbenzene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Tertiary-amyl methyl ether	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Tetrachloroethene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Tetrahydrofuran	ND (1.21)	0.386	8260B		1	09/13/16 12:30	CZI0167	CI61316

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
trans-1,2-Dichloroethene	ND (0.241)	0.0724	8260B		1	09/13/16 12:30	CZI0167	CI61316
trans-1,3-Dichloropropene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Trichloroethene	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Trichlorofluoromethane	ND (0.241)	0.0965	8260B		1	09/13/16 12:30	CZI0167	CI61316
Vinyl Acetate	ND (0.241)	0.121	8260B		1	09/13/16 12:30	CZI0167	CI61316
Vinyl Chloride	ND (0.241)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Xylene O	ND (0.241)	0.0241	8260B		1	09/13/16 12:30	CZI0167	CI61316
Xylene P,M	ND (0.483)	0.0483	8260B		1	09/13/16 12:30	CZI0167	CI61316
Xylenes (Total)	ND (0.483)		8260B		1	09/13/16 12:30		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 9/9/16 14:40

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**88.0** (40.6)		8100M		1	09/12/16 13:19	CZI0139	CI60915

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/9/16 14:32

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
1,2,4-Trichlorobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
1,2-Dichlorobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
1,3-Dichlorobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
1,4-Dichlorobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,3,4,6-Tetrachlorophenol	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4,5-Trichlorophenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4,6-Trichlorophenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4-Dichlorophenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4-Dimethylphenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4-Dinitrophenol	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,4-Dinitrotoluene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2,6-Dinitrotoluene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Chloronaphthalene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Chlorophenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Methylnaphthalene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Methylphenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Nitroaniline	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
2-Nitrophenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
3,3´-Dichlorobenzidine	ND (0.712)		8270D		1	09/13/16 19:40	CZI0162	CI60818
3+4-Methylphenol	ND (0.712)		8270D		1	09/13/16 19:40	CZI0162	CI60818
3-Nitroaniline	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4,6-Dinitro-2-Methylphenol	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Bromophenyl-phenylether	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Chloro-3-Methylphenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Chloroaniline	ND (0.712)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Chloro-phenyl-phenyl ether	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Nitroaniline	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
4-Nitrophenol	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Acenaphthene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Acenaphthylene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Acetophenone	ND (0.712)		8270D		1	09/13/16 19:40	CZI0162	CI60818

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/9/16 14:32

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.712)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Anthracene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Azobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzo(a)anthracene	**0.572** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzo(a)pyrene	**0.518** (0.178)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzo(b)fluoranthene	**0.641** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzo(g,h,i)perylene	**0.430** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzo(k)fluoranthene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzoic Acid	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Benzyl Alcohol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
bis(2-Chloroethoxy)methane	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
bis(2-Chloroethyl)ether	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
bis(2-chloroisopropyl)Ether	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
bis(2-Ethylhexyl)phthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Butylbenzylphthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Carbazole	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Chrysene	**0.546** (0.178)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Dibenzo(a,h)Anthracene	ND (0.178)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Dibenzofuran	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Diethylphthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Dimethylphthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Di-n-butylphthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Di-n-octylphthalate	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Fluoranthene	**0.947** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Fluorene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Hexachlorobenzene	ND (0.178)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Hexachlorobutadiene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Hexachlorocyclopentadiene	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Hexachloroethane	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Indeno(1,2,3-cd)Pyrene	**0.380** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Isophorone	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Naphthalene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm
Date Sampled: 09/09/16 08:15
Percent Solids: 92
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609180
ESS Laboratory Sample ID: 1609180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/9/16 14:32

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
N-Nitrosodimethylamine	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
N-Nitroso-Di-n-Propylamine	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
N-nitrosodiphenylamine	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Pentachlorophenol	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Phenanthrene	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Phenol	ND (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Pyrene	**0.713** (0.355)		8270D		1	09/13/16 19:40	CZI0162	CI60818
Pyridine	ND (1.78)		8270D		1	09/13/16 19:40	CZI0162	CI60818

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*52 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*66 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*61 %*		*30-130*
Surrogate: 2-Fluorophenol	*55 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: Phenol-d6	*62 %*		*30-130*
Surrogate: p-Terphenyl-d14	*71 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				Total Metals						
Batch CI61202 - 3050B										
Blank										
Antimony	ND	0.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	111	22.3	mg/kg wet	100.0		111	80-120			
Arsenic	156	8.93	mg/kg wet	161.0		97	80-120			
Beryllium	88.0	0.39	mg/kg wet	89.40		98	80-120			
Cadmium	183	1.79	mg/kg wet	190.0		96	80-120			
Chromium	86.4	3.57	mg/kg wet	87.90		98	80-120			
Copper	245	8.93	mg/kg wet	258.0		95	80-120			
Lead	141	17.9	mg/kg wet	138.0		102	80-120			
Nickel	128	8.93	mg/kg wet	127.0		101	80-120			
Selenium	344	22.3	mg/kg wet	305.0		113	80-120			
Silver	56.8	1.79	mg/kg wet	58.00		98	80-120			
Thallium	92.6	22.3	mg/kg wet	89.80		103	80-120			
Zinc	163	8.93	mg/kg wet	173.0		94	80-120			
LCS Dup										
Antimony	120	24.5	mg/kg wet	100.0		120	80-120	9	30	
Arsenic	148	9.80	mg/kg wet	161.0		92	80-120	5	20	
Beryllium	83.3	0.43	mg/kg wet	89.40		93	80-120	6	20	
Cadmium	175	1.96	mg/kg wet	190.0		92	80-120	4	20	
Chromium	83.6	3.92	mg/kg wet	87.90		95	80-120	3	20	
Copper	232	9.80	mg/kg wet	258.0		90	80-120	5	20	
Lead	134	19.6	mg/kg wet	138.0		97	80-120	5	20	
Nickel	121	9.80	mg/kg wet	127.0		95	80-120	5	20	
Selenium	315	24.5	mg/kg wet	305.0		103	80-120	9	30	
Silver	54.1	1.96	mg/kg wet	58.00		93	80-120	5	20	
Thallium	87.4	24.5	mg/kg wet	89.80		97	80-120	6	30	
Zinc	156	9.80	mg/kg wet	173.0		90	80-120	5	20	
Reference										
Zinc	486	9.09	mg/kg wet	500.0		97	70-130			
Batch CI61205 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CI61205 - 7471B										
LCS										
Mercury	20.2	1.90	mg/kg wet	15.90		127	51-148			
LCS Dup										
Mercury	21.0	1.77	mg/kg wet	15.90		132	51-148	4	20	
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	0.768	1.00	mg/kg wet							J
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.89*		mg/kg wet	*5.000*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.39*		mg/kg wet	*5.000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*5.17*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*4.66*		mg/kg wet	*5.000*		*93*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,1,1-Trichloroethane	1.87	0.200	mg/kg wet	2.000		94	70-130			
1,1,2,2-Tetrachloroethane	2.02	0.200	mg/kg wet	2.000		101	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
1,1,2-Trichloroethane	1.81	0.200	mg/kg wet	2.000		90	70-130			
1,1-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130			
1,1-Dichloroethene	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1-Dichloropropene	1.87	0.200	mg/kg wet	2.000		93	70-130			
1,2,3-Trichlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,2,3-Trichloropropane	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,4-Trichlorobenzene	1.91	0.200	mg/kg wet	2.000		96	70-130			
1,2,4-Trimethylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,2-Dibromo-3-Chloropropane	1.81	1.00	mg/kg wet	2.000		91	70-130			
1,2-Dibromoethane	1.99	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,2-Dichloroethane	1.92	0.200	mg/kg wet	2.000		96	70-130			
1,2-Dichloropropane	1.68	0.200	mg/kg wet	2.000		84	70-130			
1,3,5-Trimethylbenzene	1.92	0.200	mg/kg wet	2.000		96	70-130			
1,3-Dichlorobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130			
1,3-Dichloropropane	1.81	0.200	mg/kg wet	2.000		90	70-130			
1,4-Dichlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,4-Dioxane - Screen	83.0	40.0	mg/kg wet	40.00		208	44-241			
1-Chlorohexane	1.79	0.200	mg/kg wet	2.000		89	70-130			
2,2-Dichloropropane	1.90	0.200	mg/kg wet	2.000		95	70-130			
2-Butanone	10.1	1.00	mg/kg wet	10.00		101	70-130			
2-Chlorotoluene	1.99	0.200	mg/kg wet	2.000		100	70-130			
2-Hexanone	10.4	1.00	mg/kg wet	10.00		104	70-130			
4-Chlorotoluene	1.96	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	1.99	0.200	mg/kg wet	2.000		99	70-130			
4-Methyl-2-Pentanone	8.92	1.00	mg/kg wet	10.00		89	70-130			
Acetone	10.8	1.00	mg/kg wet	10.00		108	70-130			
Benzene	1.75	0.200	mg/kg wet	2.000		88	70-130			
Bromobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Bromochloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
Bromodichloromethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
Bromoform	1.74	0.200	mg/kg wet	2.000		87	70-130			
Bromomethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
Carbon Disulfide	1.65	0.200	mg/kg wet	2.000		83	70-130			
Carbon Tetrachloride	1.96	0.200	mg/kg wet	2.000		98	70-130			
Chlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Chloroethane	1.64	0.200	mg/kg wet	2.000		82	70-130			
Chloroform	1.82	0.200	mg/kg wet	2.000		91	70-130			
Chloromethane	1.79	0.200	mg/kg wet	2.000		90	70-130			
cis-1,2-Dichloroethene	1.72	0.200	mg/kg wet	2.000		86	70-130			
cis-1,3-Dichloropropene	1.84	0.200	mg/kg wet	2.000		92	70-130			
Dibromochloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
Dibromomethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
Dichlorodifluoromethane	1.62	0.200	mg/kg wet	2.000		81	70-130			
Diethyl Ether	1.63	0.200	mg/kg wet	2.000		81	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
Di-isopropyl ether	1.89	0.200	mg/kg wet	2.000		95	70-130			
Ethyl tertiary-butyl ether	1.85	0.200	mg/kg wet	2.000		93	70-130			
Ethylbenzene	1.95	0.200	mg/kg wet	2.000		98	70-130			
Hexachlorobutadiene	2.26	0.200	mg/kg wet	2.000		113	70-130			
Isopropylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Methyl tert-Butyl Ether	1.80	0.200	mg/kg wet	2.000		90	70-130			
Methylene Chloride	1.50	0.400	mg/kg wet	2.000		75	70-130			
Naphthalene	2.12	0.200	mg/kg wet	2.000		106	70-130			
n-Butylbenzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
n-Propylbenzene	1.95	0.200	mg/kg wet	2.000		98	70-130			
sec-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Styrene	1.94	0.200	mg/kg wet	2.000		97	70-130			
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Tertiary-amyl methyl ether	1.80	0.200	mg/kg wet	2.000		90	70-130			
Tetrachloroethene	1.79	0.200	mg/kg wet	2.000		89	70-130			
Tetrahydrofuran	1.74	1.00	mg/kg wet	2.000		87	70-130			
Toluene	1.85	0.200	mg/kg wet	2.000		92	70-130			
trans-1,2-Dichloroethene	1.77	0.200	mg/kg wet	2.000		88	70-130			
trans-1,3-Dichloropropene	1.72	0.200	mg/kg wet	2.000		86	70-130			
Trichloroethene	1.89	0.200	mg/kg wet	2.000		94	70-130			
Vinyl Acetate	1.70	0.200	mg/kg wet	2.000		85	70-130			
Vinyl Chloride	1.57	0.200	mg/kg wet	2.000		78	70-130			
Xylene O	1.92	0.200	mg/kg wet	2.000		96	70-130			
Xylene P,M	3.88	0.400	mg/kg wet	4.000		97	70-130			
Xylenes (Total)	5.80	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.72*		mg/kg wet	*5.000*		*94*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.92*		mg/kg wet	*5.000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Toluene-d8	*4.97*		mg/kg wet	*5.000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130	2	25	
1,1,1-Trichloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130	1	25	
1,1,2,2-Tetrachloroethane	1.79	0.200	mg/kg wet	2.000		90	70-130	12	25	
1,1,2-Trichloroethane	1.75	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,1-Dichloroethane	1.64	0.200	mg/kg wet	2.000		82	70-130	5	25	
1,1-Dichloroethene	1.95	0.200	mg/kg wet	2.000		98	70-130	1	25	
1,1-Dichloropropene	1.81	0.200	mg/kg wet	2.000		90	70-130	3	25	
1,2,3-Trichlorobenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	9	25	
1,2,3-Trichloropropane	1.72	0.200	mg/kg wet	2.000		86	70-130	8	25	
1,2,4-Trichlorobenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	4	25	
1,2,4-Trimethylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130	4	25	
1,2-Dibromo-3-Chloropropane	1.66	1.00	mg/kg wet	2.000		83	70-130	9	25	
1,2-Dibromoethane	1.89	0.200	mg/kg wet	2.000		94	70-130	6	25	
1,2-Dichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	8	25	
1,2-Dichloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130	5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
1,2-Dichloropropane	1.57	0.200	mg/kg wet	2.000		78	70-130	7	25	
1,3,5-Trimethylbenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
1,3-Dichlorobenzene	1.87	0.200	mg/kg wet	2.000		94	70-130	8	25	
1,3-Dichloropropane	1.72	0.200	mg/kg wet	2.000		86	70-130	5	25	
1,4-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	4	25	
1,4-Dioxane - Screen	77.2	40.0	mg/kg wet	40.00		193	44-241	7	200	
1-Chlorohexane	1.80	0.200	mg/kg wet	2.000		90	70-130	0.7	25	
2,2-Dichloropropane	1.74	0.200	mg/kg wet	2.000		87	70-130	9	25	
2-Butanone	9.32	1.00	mg/kg wet	10.00		93	70-130	8	25	
2-Chlorotoluene	1.87	0.200	mg/kg wet	2.000		94	70-130	6	25	
2-Hexanone	9.80	1.00	mg/kg wet	10.00		98	70-130	6	25	
4-Chlorotoluene	1.88	0.200	mg/kg wet	2.000		94	70-130	4	25	
4-Isopropyltoluene	1.89	0.200	mg/kg wet	2.000		94	70-130	5	25	
4-Methyl-2-Pentanone	8.41	1.00	mg/kg wet	10.00		84	70-130	6	25	
Acetone	7.59	1.00	mg/kg wet	10.00		76	70-130	34	25	D+
Benzene	1.74	0.200	mg/kg wet	2.000		87	70-130	0.8	25	
Bromobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	6	25	
Bromochloromethane	1.82	0.200	mg/kg wet	2.000		91	70-130	1	25	
Bromodichloromethane	1.88	0.200	mg/kg wet	2.000		94	70-130	4	25	
Bromoform	1.72	0.200	mg/kg wet	2.000		86	70-130	0.9	25	
Bromomethane	1.77	0.200	mg/kg wet	2.000		88	70-130	10	25	
Carbon Disulfide	1.58	0.200	mg/kg wet	2.000		79	70-130	5	25	
Carbon Tetrachloride	1.92	0.200	mg/kg wet	2.000		96	70-130	2	25	
Chlorobenzene	1.87	0.200	mg/kg wet	2.000		94	70-130	6	25	
Chloroethane	1.55	0.200	mg/kg wet	2.000		77	70-130	6	25	
Chloroform	1.71	0.200	mg/kg wet	2.000		86	70-130	6	25	
Chloromethane	1.70	0.200	mg/kg wet	2.000		85	70-130	5	25	
cis-1,2-Dichloroethene	1.74	0.200	mg/kg wet	2.000		87	70-130	2	25	
cis-1,3-Dichloropropene	1.76	0.200	mg/kg wet	2.000		88	70-130	4	25	
Dibromochloromethane	1.75	0.200	mg/kg wet	2.000		87	70-130	3	25	
Dibromomethane	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
Dichlorodifluoromethane	1.61	0.200	mg/kg wet	2.000		80	70-130	0.9	25	
Diethyl Ether	1.78	0.200	mg/kg wet	2.000		89	70-130	9	25	
Di-isopropyl ether	1.78	0.200	mg/kg wet	2.000		89	70-130	6	25	
Ethyl tertiary-butyl ether	1.76	0.200	mg/kg wet	2.000		88	70-130	5	25	
Ethylbenzene	1.83	0.200	mg/kg wet	2.000		91	70-130	7	25	
Hexachlorobutadiene	1.89	0.200	mg/kg wet	2.000		94	70-130	18	25	
Isopropylbenzene	1.89	0.200	mg/kg wet	2.000		95	70-130	7	25	
Methyl tert-Butyl Ether	1.76	0.200	mg/kg wet	2.000		88	70-130	2	25	
Methylene Chloride	1.48	0.400	mg/kg wet	2.000		74	70-130	1	25	
Naphthalene	1.93	0.200	mg/kg wet	2.000		97	70-130	9	25	
n-Butylbenzene	1.84	0.200	mg/kg wet	2.000		92	70-130	8	25	
n-Propylbenzene	1.83	0.200	mg/kg wet	2.000		92	70-130	6	25	
sec-Butylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	5	25	
Styrene	1.83	0.200	mg/kg wet	2.000		91	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI61316 - 5035										
tert-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	5	25	
Tertiary-amyl methyl ether	1.73	0.200	mg/kg wet	2.000		87	70-130	4	25	
Tetrachloroethene	1.78	0.200	mg/kg wet	2.000		89	70-130	0.6	25	
Tetrahydrofuran	2.15	1.00	mg/kg wet	2.000		108	70-130	21	25	
Toluene	1.73	0.200	mg/kg wet	2.000		86	70-130	7	25	
trans-1,2-Dichloroethene	1.74	0.200	mg/kg wet	2.000		87	70-130	1	25	
trans-1,3-Dichloropropene	1.66	0.200	mg/kg wet	2.000		83	70-130	4	25	
Trichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130	6	25	
Vinyl Acetate	1.63	0.200	mg/kg wet	2.000		82	70-130	4	25	
Vinyl Chloride	1.64	0.200	mg/kg wet	2.000		82	70-130	4	25	
Xylene O	1.89	0.200	mg/kg wet	2.000		95	70-130	2	25	
Xylene P,M	3.77	0.400	mg/kg wet	4.000		94	70-130	3	25	
Xylenes (Total)	5.66	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.67*		mg/kg wet	*5.000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.77*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*4.84*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: Toluene-d8	*4.91*		mg/kg wet	*5.000*		*98*	*70-130*			
8081B Organochlorine Pesticides										
8100M Total Petroleum Hydrocarbons										
Batch CI60915 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	1.3	0.2	mg/kg wet	2.500		53	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		90	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI60915 - 3546										
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Total Petroleum Hydrocarbons	29.9	37.5	mg/kg wet	35.00		85	40-140			
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Surrogate: O-Terphenyl	*4.68*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		82	40-140	9	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140	55	25	D+
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		94	40-140	7	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140	7	25	
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		97	40-140	10	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		99	40-140	8	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		70	30-140	7	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		97	40-140	6	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140	8	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		92	40-140	6	25	
Total Petroleum Hydrocarbons	31.5	37.5	mg/kg wet	35.00		90	40-140	5	25	
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		101	40-140	6	25	
Surrogate: O-Terphenyl	*4.93*		mg/kg wet	*5.000*		*99*	*40-140*			
8151A Chlorinated Herbicides										
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.60*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.52*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*4.01*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.80*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: Phenol-d6	*4.22*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.33*		mg/kg wet	*3.333*		*100*	*30-130*			
LCS										
1,1-Biphenyl	2.30	0.333	mg/kg wet	3.333		69	40-140			
1,2,4-Trichlorobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
1,2-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140			
1,3-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
1,4-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140			
2,3,4,6-Tetrachlorophenol	2.34	1.67	mg/kg wet	3.333		70	30-130			
2,4,5-Trichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130			
2,4,6-Trichlorophenol	2.45	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dimethylphenol	2.41	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dinitrophenol	2.26	1.67	mg/kg wet	3.333		68	30-130			
2,4-Dinitrotoluene	2.77	0.333	mg/kg wet	3.333		83	40-140			
2,6-Dinitrotoluene	2.48	0.333	mg/kg wet	3.333		74	40-140			
2-Chloronaphthalene	2.25	0.333	mg/kg wet	3.333		68	40-140			
2-Chlorophenol	2.32	0.333	mg/kg wet	3.333		70	30-130			
2-Methylnaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140			
2-Methylphenol	2.36	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	2.52	0.333	mg/kg wet	3.333		75	40-140			
2-Nitrophenol	2.33	0.333	mg/kg wet	3.333		70	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
3,3´-Dichlorobenzidine	1.28	0.667	mg/kg wet	3.333		38	40-140			B-
3+4-Methylphenol	4.70	0.667	mg/kg wet	6.667		71	30-130			
3-Nitroaniline	2.54	0.333	mg/kg wet	3.333		76	40-140			
4,6-Dinitro-2-Methylphenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.46	0.333	mg/kg wet	3.333		74	30-130			
4-Chloroaniline	2.17	0.667	mg/kg wet	3.333		65	40-140			
4-Chloro-phenyl-phenyl ether	2.48	0.333	mg/kg wet	3.333		74	40-140			
4-Nitroaniline	2.73	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.60	1.67	mg/kg wet	3.333		78	30-130			
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Acenaphthylene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Acetophenone	2.36	0.667	mg/kg wet	3.333		71	40-140			
Aniline	1.39	0.667	mg/kg wet	3.333		42	40-140			
Anthracene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Azobenzene	2.65	0.333	mg/kg wet	3.333		79	40-140			
Benzo(a)anthracene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)pyrene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Benzo(b)fluoranthene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Benzo(g,h,i)perylene	3.46	0.333	mg/kg wet	3.333		104	40-140			
Benzo(k)fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	2.73	1.67	mg/kg wet	3.333		82	40-140			
Benzyl Alcohol	2.53	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Chloroethoxy)methane	2.42	0.333	mg/kg wet	3.333		72	40-140			
bis(2-Chloroethyl)ether	2.17	0.333	mg/kg wet	3.333		65	40-140			
bis(2-chloroisopropyl)Ether	2.29	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Ethylhexyl)phthalate	2.80	0.333	mg/kg wet	3.333		84	40-140			
Butylbenzylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Carbazole	2.87	0.333	mg/kg wet	3.333		86	40-140			
Chrysene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Dibenzo(a,h)Anthracene	3.40	0.167	mg/kg wet	3.333		102	40-140			
Dibenzofuran	2.43	0.333	mg/kg wet	3.333		73	40-140			
Diethylphthalate	2.85	0.333	mg/kg wet	3.333		85	40-140			
Dimethylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Di-n-octylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140			
Fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Fluorene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Hexachlorobenzene	2.60	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet	3.333			40-140			B-
Hexachloroethane	2.29	0.333	mg/kg wet	3.333		69	40-140			
Indeno(1,2,3-cd)Pyrene	3.38	0.333	mg/kg wet	3.333		101	40-140			
Isophorone	2.67	0.333	mg/kg wet	3.333		80	40-140			
Naphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
Nitrobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140			
N-Nitrosodimethylamine	2.22	0.333	mg/kg wet	3.333		67	40-140			
N-Nitroso-Di-n-Propylamine	2.47	0.333	mg/kg wet	3.333		74	40-140			
N-nitrosodiphenylamine	2.78	0.333	mg/kg wet	3.333		83	40-140			
Pentachlorophenol	2.82	1.67	mg/kg wet	3.333		85	30-130			
Phenanthrene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Phenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
Pyrene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Pyridine	1.70	1.67	mg/kg wet	3.333		51	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.42*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.33*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.75*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: Phenol-d6	*3.94*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.27*		mg/kg wet	*3.333*		*98*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.24	0.333	mg/kg wet	3.333		67	40-140	3	30	
1,2,4-Trichlorobenzene	2.24	0.333	mg/kg wet	3.333		67	40-140	2	30	
1,2-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	3	30	
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	1	30	
1,4-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140	0.9	30	
2,3,4,6-Tetrachlorophenol	2.13	1.67	mg/kg wet	3.333		64	30-130	10	30	
2,4,5-Trichlorophenol	2.47	0.333	mg/kg wet	3.333		74	30-130	5	30	
2,4,6-Trichlorophenol	2.28	0.333	mg/kg wet	3.333		68	30-130	7	30	
2,4-Dichlorophenol	2.35	0.333	mg/kg wet	3.333		70	30-130	2	30	
2,4-Dimethylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	2	30	
2,4-Dinitrophenol	1.65	1.67	mg/kg wet	3.333		50	30-130	31	30	D+
2,4-Dinitrotoluene	2.67	0.333	mg/kg wet	3.333		80	40-140	4	30	
2,6-Dinitrotoluene	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
2-Chloronaphthalene	2.20	0.333	mg/kg wet	3.333		66	40-140	2	30	
2-Chlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	4	30	
2-Methylnaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140	2	30	
2-Methylphenol	2.42	0.333	mg/kg wet	3.333		73	30-130	3	30	
2-Nitroaniline	2.46	0.333	mg/kg wet	3.333		74	40-140	2	30	
2-Nitrophenol	2.30	0.333	mg/kg wet	3.333		69	30-130	1	30	
3,3´-Dichlorobenzidine	0.219	0.667	mg/kg wet	3.333		7	40-140	141	30	B-, D+
3+4-Methylphenol	5.99	0.667	mg/kg wet	6.667		90	30-130	24	30	
3-Nitroaniline	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
4,6-Dinitro-2-Methylphenol	2.16	1.67	mg/kg wet	3.333		65	30-130	22	30	
4-Bromophenyl-phenylether	2.51	0.333	mg/kg wet	3.333		75	40-140	2	30	
4-Chloro-3-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	3	30	
4-Chloroaniline	2.04	0.667	mg/kg wet	3.333		61	40-140	6	30	
4-Chloro-phenyl-phenyl ether	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
4-Nitroaniline	2.58	0.333	mg/kg wet	3.333		77	40-140	6	30	
4-Nitrophenol	2.28	1.67	mg/kg wet	3.333		68	30-130	13	30	
Acenaphthene	2.42	0.333	mg/kg wet	3.333		73	40-140	4	30	
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
Acetophenone	2.43	0.667	mg/kg wet	3.333		73	40-140	3	30	
Aniline	1.33	0.667	mg/kg wet	3.333		40	40-140	4	30	
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140	4	30	
Azobenzene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140	5	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		84	40-140	5	30	
Benzo(b)fluoranthene	2.77	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzo(g,h,i)perylene	3.08	0.333	mg/kg wet	3.333		92	40-140	12	30	
Benzo(k)fluoranthene	2.77	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzoic Acid	1.48	1.67	mg/kg wet	3.333		44	40-140	59	30	D+
Benzyl Alcohol	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
bis(2-Chloroethoxy)methane	2.38	0.333	mg/kg wet	3.333		71	40-140	2	30	
bis(2-Chloroethyl)ether	2.25	0.333	mg/kg wet	3.333		68	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.72	0.333	mg/kg wet	3.333		82	40-140	3	30	
Butylbenzylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140	3	30	
Carbazole	2.64	0.333	mg/kg wet	3.333		79	40-140	8	30	
Chrysene	2.62	0.167	mg/kg wet	3.333		78	40-140	3	30	
Dibenzo(a,h)Anthracene	3.20	0.167	mg/kg wet	3.333		96	40-140	6	30	
Dibenzofuran	2.35	0.333	mg/kg wet	3.333		71	40-140	3	30	
Diethylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Dimethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140	4	30	
Di-n-butylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140	4	30	
Di-n-octylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	5	30	
Fluoranthene	2.88	0.333	mg/kg wet	3.333		86	40-140	4	30	
Fluorene	2.51	0.333	mg/kg wet	3.333		75	40-140	3	30	
Hexachlorobenzene	2.55	0.167	mg/kg wet	3.333		77	40-140	2	30	
Hexachlorobutadiene	2.32	0.333	mg/kg wet	3.333		70	40-140	1	30	
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet	3.333			40-140	200	30	B-, D+
Hexachloroethane	2.32	0.333	mg/kg wet	3.333		70	40-140	1	30	
Indeno(1,2,3-cd)Pyrene	3.17	0.333	mg/kg wet	3.333		95	40-140	6	30	
Isophorone	2.65	0.333	mg/kg wet	3.333		79	40-140	0.8	30	
Naphthalene	2.26	0.333	mg/kg wet	3.333		68	40-140	1	30	
Nitrobenzene	2.45	0.333	mg/kg wet	3.333		73	40-140	0.5	30	
N-Nitrosodimethylamine	2.22	0.333	mg/kg wet	3.333		67	40-140	0.05	30	
N-Nitroso-Di-n-Propylamine	2.59	0.333	mg/kg wet	3.333		78	40-140	5	30	
N-nitrosodiphenylamine	2.63	0.333	mg/kg wet	3.333		79	40-140	6	30	
Pentachlorophenol	1.74	1.67	mg/kg wet	3.333		52	30-130	47	30	D+
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140	3	30	
Phenol	2.43	0.333	mg/kg wet	3.333		73	30-130	5	30	
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI60818 - 3546										
Pyridine	1.56	1.67	mg/kg wet	3.333		47	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.58*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.49*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.62*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*3.95*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609180

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
B	Present in Method Blank (B).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609180

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1609180
Date Received: 9/9/2016
Project Due Date: 9/16/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.4 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: 01
    Analysis: Sulfur
    TAT: 5 WD
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOAs brought to freezer: Date: ____ Time: ____ By: ____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	66379	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	66380	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	66381	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	66382	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	66383	Yes	NA	Yes	2 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? (Yes) / No

Completed By: [signature] Date & Time: 9/9/16 1253
Reviewed By: [signature] Date & Time: 9/9/16 1307
Delivered By: [signature] 9/9/16 1307

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609180

Turn Time Standard Other

Regulatory State: MA RI CT NH NJ NY ME Other

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other

Reporting Limits - RDEC

Electonic Deliverables Excel Access PDF

Co. Name GZA	Project # 33554.90	Project Name 121 Terminal Rd. Access Rd.	
Contact Person Meg Kilpatrick	Address 530 Broadway		
City Providence	State Rhode Island	Zip 02909	PO #
Tel. 401-421-4140	Fax.	email: mkilpatrick@GZA.com	

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	~~RCRA 8 metals~~	~~PCB 8082~~	~~Total Cyanide 9010~~	~~Total Sulfur 6010~~	~~TCLP Lead 6010~~	~~PH~~	~~Flashpoint~~	~~Pesticides~~	~~Herbicides~~
1	9/9/16	8:15	C	S	Berm	6,1	4	AG,V	40 oz.	X	X	X	X	X	X	X	X	X	X	X	X

* per Meg Kilpatrick only report: TPH, VOA, SVOA and PP-13 metals (CMT 9/20/16)

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ___ No

Seals Intact ___ Yes ___ No NA: X

Cooler Temperature: 1.4° ICE W 9/9/16

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-___

Sampled by: Matthew Muto *PP13 metals per MK request (CMT 9/19/16)

Comments: N. Grid rates apply matthew.muto@GZA.com

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matt Muto 9/9/16 12:28	[signature] 9/9/16 1228		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609180

Turn Time ____ Standard Other ____

Reporting Limits - RDEC

Regulatory State: MA RI CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Electonic Deliverables Excel Access PDF

Co. Name: G2A
Project #: 33554.90
Project Name: 121 Terminal Rd. Access Rd.
Contact Person: Meg Kilpatrick
Address: 530 Broadway
City: Providence
State: Rhode Island
Zip: 02909
PO #:
Tel. 401-421-4140
Fax.
email: mkilpatrick@G2A.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 metals	PCB 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	PH	Flashpoint	Pesticides	Herbicides
1	9/9/16	8:15	C	S	Berm	6,1	4	AG,V	40 oz.	X	X	X	X	X	X	X	X	X	X	X	X

Analysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 1.4° ICE W 9/9/16

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: No Grid rates apply matthew.muto@G2A.com

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew 9/9/16 12:28	9/9/16 1228		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1609394

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:48 pm, Sep 26, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

SAMPLE RECEIPT

The following samples were received on September 19, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1609394-01	P-45	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045
1609394-02	P-46	Soil	§, 1010, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8081B, 8082A, 8100M, 8151A, 8260B, 8270D, 9014, 9045

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

CI62232-BS1 **Blank Spike recovery is above upper control limit (B+).**
Methylene Chloride (205% @ 70-130%)

CI62232-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Methylene Chloride (203% @ 70-130%)

CZI0300-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Methylene Chloride (101% @ 30%)

CZI0300-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
1,4-Dioxane - Screen (43% @ 30%)

8081B Organochlorine Pesticides

CZI0283-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (25% @ 20%), Decachlorobiphenyl [2C] (26% @ 20%)

CZI0283-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (22% @ 20%)

CZI0283-CCV8 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Decachlorobiphenyl (43% @ 20%), Decachlorobiphenyl [2C] (40% @ 20%), Tetrachloro-m-xylene (21% @ 20%), Tetrachloro-m-xylene [2C] (23% @ 20%)

8151A Chlorinated Herbicides

CI62039-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
2,4-DB (41% @ 30%), 2,4-DB [2C] (38% @ 30%)

8270D Semi-Volatile Organic Compounds

CZI0254-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (107% @ 80-120%), Benzoic Acid (90% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.62** (2.47)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016
Barium	**19.5** (2.47)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016
Cadmium	ND (0.49)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016
Chromium	**3.55** (0.99)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016
Lead	**5.97** (4.95)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016
Mercury	ND (0.025)		7471B		1	BJV	09/21/16 13:18	0.86	40	CI62015
Selenium	ND (0.49)		6020A		20	NAR	09/20/16 21:40	2.17	100	CI62016
Silver	ND (0.49)		6010C		1	KJK	09/21/16 4:15	2.17	100	CI62016

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	KJK	09/21/16 17:21	50	50	CI62117

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 15.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1,1-Trichloroethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1,2,2-Tetrachloroethane	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1,2-Trichloroethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1-Dichloroethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1-Dichloroethene	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,1-Dichloropropene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2,3-Trichlorobenzene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2,3-Trichloropropane	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2,4-Trichlorobenzene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2,4-Trimethylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2-Dibromo-3-Chloropropane	ND (1.11)	0.222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2-Dibromoethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2-Dichlorobenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2-Dichloroethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,2-Dichloropropane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,3,5-Trimethylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,3-Dichlorobenzene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,3-Dichloropropane	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,4-Dichlorobenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
1,4-Dioxane - Screen	ND (44.5)	42.2	8260B		1	09/22/16 13:19	CZI0300	CI62232
1-Chlorohexane	ND (0.222)	0.0889	8260B		1	09/22/16 13:19	CZI0300	CI62232
2,2-Dichloropropane	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
2-Butanone	ND (1.11)	0.756	8260B		1	09/22/16 13:19	CZI0300	CI62232
2-Chlorotoluene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
2-Hexanone	ND (1.11)	0.334	8260B		1	09/22/16 13:19	CZI0300	CI62232
4-Chlorotoluene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
4-Isopropyltoluene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
4-Methyl-2-Pentanone	ND (1.11)	0.356	8260B		1	09/22/16 13:19	CZI0300	CI62232
Acetone	ND (1.11)	0.600	8260B		1	09/22/16 13:19	CZI0300	CI62232
Benzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Bromobenzene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 15.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Bromodichloromethane	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Bromoform	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Bromomethane	ND (0.222)	0.0889	8260B		1	09/22/16 13:19	CZI0300	CI62232
Carbon Disulfide	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Carbon Tetrachloride	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Chlorobenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Chloroethane	ND (0.222)	0.0889	8260B		1	09/22/16 13:19	CZI0300	CI62232
Chloroform	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Chloromethane	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
cis-1,2-Dichloroethene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
cis-1,3-Dichloropropene	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Dibromochloromethane	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Dibromomethane	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Dichlorodifluoromethane	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Diethyl Ether	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Di-isopropyl ether	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Ethyl tertiary-butyl ether	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Ethylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Hexachlorobutadiene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Isopropylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Methyl tert-Butyl Ether	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
Methylene Chloride	ND (0.445)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Naphthalene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
n-Butylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
n-Propylbenzene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
sec-Butylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Styrene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
tert-Butylbenzene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Tertiary-amyl methyl ether	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Tetrachloroethene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Tetrahydrofuran	ND (1.11)	0.356	8260B		1	09/22/16 13:19	CZI0300	CI62232

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 15.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
trans-1,2-Dichloroethene	ND (0.222)	0.0667	8260B		1	09/22/16 13:19	CZI0300	CI62232
trans-1,3-Dichloropropene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Trichloroethene	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Trichlorofluoromethane	ND (0.222)	0.0889	8260B		1	09/22/16 13:19	CZI0300	CI62232
Vinyl Acetate	ND (0.222)	0.111	8260B		1	09/22/16 13:19	CZI0300	CI62232
Vinyl Chloride	ND (0.222)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Xylene O	ND (0.222)	0.0222	8260B		1	09/22/16 13:19	CZI0300	CI62232
Xylene P,M	ND (0.445)	0.0445	8260B		1	09/22/16 13:19	CZI0300	CI62232
Xylenes (Total)	ND (0.445)		8260B		1	09/22/16 13:19		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*116 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 19.8
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 9/20/16 17:41

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
4,4´-DDE	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
4,4´-DDT	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Aldrin	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
alpha-BHC	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
alpha-Chlordane	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
beta-BHC	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Chlordane (Total)	ND (0.0325)		8081B		1	09/22/16 17:14	CZI0283	CI62007
delta-BHC	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Dieldrin	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endosulfan I	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endosulfan II	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endosulfan Sulfate	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endrin	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endrin Aldehyde	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Endrin Ketone	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
gamma-BHC (Lindane)	ND (0.0016)		8081B		1	09/22/16 17:14	CZI0283	CI62007
gamma-Chlordane	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Heptachlor	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Heptachlor Epoxide	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Hexachlorobenzene	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Methoxychlor	ND (0.0027)		8081B		1	09/22/16 17:14	CZI0283	CI62007
Toxaphene	ND (0.136)		8081B		1	09/22/16 17:14	CZI0283	CI62007

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*121 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*118 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*98 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*95 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 19.6
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 9/19/16 18:44

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1221	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1232	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1242	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1248	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1254	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1260	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1262	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914
Aroclor 1268	ND (0.0548)		8082A		1	09/21/16 10:39		CI61914

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*80 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*85 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*79 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*84 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 9/19/16 18:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (41.1)		8100M		1	09/19/16 22:20	CZI0235	CI61916

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 10.1
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: VSC
Prepared: 9/20/16 15:30

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	09/21/16 16:44	CZI0285	CI62039
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	09/21/16 16:44	CZI0285	CI62039
2,4-D	ND (0.200)		8151A		1	09/21/16 16:44	CZI0285	CI62039
2,4-DB	ND (0.202)		8151A		1	09/21/16 16:44	CZI0285	CI62039
Dalapon	ND (0.193)		8151A		1	09/21/16 16:44	CZI0285	CI62039
Dicamba	ND (0.010)		8151A		1	09/21/16 16:44	CZI0285	CI62039
Dichlorprop	ND (0.200)		8151A		1	09/21/16 16:44	CZI0285	CI62039
Dinoseb	ND (0.202)		8151A		1	09/21/16 16:44	CZI0285	CI62039
MCPA	ND (19.8)		8151A		1	09/21/16 16:44	CZI0285	CI62039
MCPP	ND (20.0)		8151A		1	09/21/16 16:44	CZI0285	CI62039

	%Recovery	*Qualifier*	*Limits*
Surrogate: DCAA	*72 %*		*30-150*
Surrogate: DCAA [2C]	*70 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
1,2,4-Trichlorobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
1,2-Dichlorobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
1,3-Dichlorobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
1,4-Dichlorobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,3,4,6-Tetrachlorophenol	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4,5-Trichlorophenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4,6-Trichlorophenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4-Dichlorophenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4-Dimethylphenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4-Dinitrophenol	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,4-Dinitrotoluene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2,6-Dinitrotoluene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Chloronaphthalene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Chlorophenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Methylnaphthalene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Methylphenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Nitroaniline	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
2-Nitrophenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
3,3´-Dichlorobenzidine	ND (0.735)		8270D		1	09/21/16 2:38	CZI0254	CI62009
3+4-Methylphenol	ND (0.735)		8270D		1	09/21/16 2:38	CZI0254	CI62009
3-Nitroaniline	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4,6-Dinitro-2-Methylphenol	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Bromophenyl-phenylether	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Chloro-3-Methylphenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Chloroaniline	ND (0.735)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Chloro-phenyl-phenyl ether	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Nitroaniline	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
4-Nitrophenol	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Acenaphthene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Acenaphthylene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Acetophenone	ND (0.735)		8270D		1	09/21/16 2:38	CZI0254	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.735)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Anthracene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Azobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzo(a)anthracene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzo(a)pyrene	ND (0.184)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzo(b)fluoranthene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzo(g,h,i)perylene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzo(k)fluoranthene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzoic Acid	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Benzyl Alcohol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
bis(2-Chloroethoxy)methane	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
bis(2-Chloroethyl)ether	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
bis(2-chloroisopropyl)Ether	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
bis(2-Ethylhexyl)phthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Butylbenzylphthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Carbazole	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Chrysene	ND (0.184)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Dibenzo(a,h)Anthracene	ND (0.184)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Dibenzofuran	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Diethylphthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Dimethylphthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Di-n-butylphthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Di-n-octylphthalate	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Fluoranthene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Fluorene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Hexachlorobenzene	ND (0.184)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Hexachlorobutadiene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Hexachlorocyclopentadiene	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Hexachloroethane	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Indeno(1,2,3-cd)Pyrene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Isophorone	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Naphthalene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
N-Nitrosodimethylamine	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
N-Nitroso-Di-n-Propylamine	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
N-nitrosodiphenylamine	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Pentachlorophenol	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Phenanthrene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Phenol	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Pyrene	ND (0.367)		8270D		1	09/21/16 2:38	CZI0254	CI62009
Pyridine	ND (1.84)		8270D		1	09/21/16 2:38	CZI0254	CI62009

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*73 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: Phenol-d6	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**7.71** (N/A)		9045		1	JLK	09/19/16 21:32	S.U.	CI61952
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 22.3 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	CRR	09/20/16 12:15	°F	CI62023
Sulfur, Total, WT PCT	**See Attached** (N/A)								
Total Cyanide	ND (1.06)		9014		1	EEM	09/21/16 10:35	mg/kg dry	CI62121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-45
Date Sampled: 09/19/16 09:28
Percent Solids: 93
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-01
Sample Matrix: Soil
Units: °C
Analyst: LAB
Prepared: 9/20/16 15:29

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**20.8** (N/A)		1311		1	LAB	09/21/16 7:39	CI62033
Temperature (Max C)	**22.6** (N/A)		1311		1	LAB	09/21/16 7:39	CI62033
Temperature (Range)	**Temperature is not within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.34** (2.22)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016
Barium	**19.5** (2.22)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016
Cadmium	ND (0.44)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016
Chromium	**5.72** (0.89)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016
Lead	ND (4.43)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016
Mercury	ND (0.022)		7471B		1	BJV	09/21/16 13:20	0.95	40	CI62015
Selenium	ND (0.44)		6020A		20	NAR	09/20/16 21:58	2.33	100	CI62016
Silver	ND (0.44)		6010C		1	KJK	09/21/16 4:20	2.33	100	CI62016

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	ND (0.050)		1311/6010C		1	KJK	09/21/16 17:26	50	50	CI62117

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 16.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1,1-Trichloroethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1,2,2-Tetrachloroethane	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1,2-Trichloroethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1-Dichloroethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1-Dichloroethene	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,1-Dichloropropene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2,3-Trichlorobenzene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2,3-Trichloropropane	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2,4-Trichlorobenzene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2,4-Trimethylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2-Dibromo-3-Chloropropane	ND (0.984)	0.197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2-Dibromoethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2-Dichlorobenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2-Dichloroethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,2-Dichloropropane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,3,5-Trimethylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,3-Dichlorobenzene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,3-Dichloropropane	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,4-Dichlorobenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
1,4-Dioxane - Screen	ND (39.3)	37.4	8260B		1	09/22/16 13:46	CZI0300	CI62232
1-Chlorohexane	ND (0.197)	0.0787	8260B		1	09/22/16 13:46	CZI0300	CI62232
2,2-Dichloropropane	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
2-Butanone	ND (0.984)	0.669	8260B		1	09/22/16 13:46	CZI0300	CI62232
2-Chlorotoluene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
2-Hexanone	ND (0.984)	0.295	8260B		1	09/22/16 13:46	CZI0300	CI62232
4-Chlorotoluene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
4-Isopropyltoluene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
4-Methyl-2-Pentanone	ND (0.984)	0.315	8260B		1	09/22/16 13:46	CZI0300	CI62232
Acetone	ND (0.984)	0.531	8260B		1	09/22/16 13:46	CZI0300	CI62232
Benzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Bromobenzene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 16.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Bromodichloromethane	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Bromoform	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Bromomethane	ND (0.197)	0.0787	8260B		1	09/22/16 13:46	CZI0300	CI62232
Carbon Disulfide	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Carbon Tetrachloride	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Chlorobenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Chloroethane	ND (0.197)	0.0787	8260B		1	09/22/16 13:46	CZI0300	CI62232
Chloroform	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Chloromethane	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
cis-1,2-Dichloroethene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
cis-1,3-Dichloropropene	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Dibromochloromethane	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Dibromomethane	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Dichlorodifluoromethane	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Diethyl Ether	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Di-isopropyl ether	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Ethyl tertiary-butyl ether	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Ethylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Hexachlorobutadiene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Isopropylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Methyl tert-Butyl Ether	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
Methylene Chloride	ND (0.393)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Naphthalene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
n-Butylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
n-Propylbenzene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
sec-Butylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Styrene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
tert-Butylbenzene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Tertiary-amyl methyl ether	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Tetrachloroethene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Tetrahydrofuran	ND (0.984)	0.315	8260B		1	09/22/16 13:46	CZI0300	CI62232

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 16.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
trans-1,2-Dichloroethene	ND (0.197)	0.0590	8260B		1	09/22/16 13:46	CZI0300	CI62232
trans-1,3-Dichloropropene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Trichloroethene	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Trichlorofluoromethane	ND (0.197)	0.0787	8260B		1	09/22/16 13:46	CZI0300	CI62232
Vinyl Acetate	ND (0.197)	0.0984	8260B		1	09/22/16 13:46	CZI0300	CI62232
Vinyl Chloride	ND (0.197)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Xylene O	ND (0.197)	0.0197	8260B		1	09/22/16 13:46	CZI0300	CI62232
Xylene P,M	ND (0.393)	0.0393	8260B		1	09/22/16 13:46	CZI0300	CI62232
Xylenes (Total)	ND (0.393)		8260B		1	09/22/16 13:46		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*93 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 20.5
Final Volume: 5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 9/20/16 17:41

8081B Organochlorine Pesticides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
4,4´-DDD	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
4,4´-DDE	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
4,4´-DDT	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Aldrin	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
alpha-BHC	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
alpha-Chlordane	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
beta-BHC	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Chlordane (Total)	ND (0.0302)		8081B		1	09/22/16 17:42	CZI0283	CI62007
delta-BHC	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Dieldrin	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endosulfan I	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endosulfan II	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endosulfan Sulfate	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endrin	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endrin Aldehyde	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Endrin Ketone	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
gamma-BHC (Lindane)	ND (0.0015)		8081B		1	09/22/16 17:42	CZI0283	CI62007
gamma-Chlordane	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Heptachlor	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Heptachlor Epoxide	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Hexachlorobenzene	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Methoxychlor	ND (0.0025)		8081B		1	09/22/16 17:42	CZI0283	CI62007
Toxaphene	ND (0.126)		8081B		1	09/22/16 17:42	CZI0283	CI62007

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*85 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*84 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*77 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*73 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: SMR
Prepared: 9/19/16 18:44

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1221	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1232	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1242	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1248	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1254	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1260	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1262	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914
Aroclor 1268	ND (0.0538)		8082A		1	09/21/16 10:58		CI61914

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*82 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*121 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*73 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*78 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 9/19/16 18:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.9)		8100M		1	09/19/16 23:00	CZI0235	CI61916

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*90 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 10
Final Volume: 4
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: VSC
Prepared: 9/20/16 15:30

8151A Chlorinated Herbicides

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
2,4,5-T	ND (0.010)		8151A		1	09/21/16 17:10	CZI0285	CI62039
2,4,5-TP (Silvex)	ND (0.010)		8151A		1	09/21/16 17:10	CZI0285	CI62039
2,4-D	ND (0.194)		8151A		1	09/21/16 17:10	CZI0285	CI62039
2,4-DB	ND (0.196)		8151A		1	09/21/16 17:10	CZI0285	CI62039
Dalapon	ND (0.188)		8151A		1	09/21/16 17:10	CZI0285	CI62039
Dicamba	ND (0.010)		8151A		1	09/21/16 17:10	CZI0285	CI62039
Dichlorprop	ND (0.194)		8151A		1	09/21/16 17:10	CZI0285	CI62039
Dinoseb	ND (0.196)		8151A		1	09/21/16 17:10	CZI0285	CI62039
MCPA	ND (19.2)		8151A		1	09/21/16 17:10	CZI0285	CI62039
MCPP	ND (19.4)		8151A		1	09/21/16 17:10	CZI0285	CI62039

	%Recovery	*Qualifier*	*Limits*
Surrogate: DCAA	*92 %*		*30-150*
Surrogate: DCAA [2C]	*87 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
1,2,4-Trichlorobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
1,2-Dichlorobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
1,3-Dichlorobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
1,4-Dichlorobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,3,4,6-Tetrachlorophenol	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4,5-Trichlorophenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4,6-Trichlorophenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4-Dichlorophenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4-Dimethylphenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4-Dinitrophenol	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,4-Dinitrotoluene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2,6-Dinitrotoluene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Chloronaphthalene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Chlorophenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Methylnaphthalene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Methylphenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Nitroaniline	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
2-Nitrophenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
3,3´-Dichlorobenzidine	ND (0.671)		8270D		1	09/21/16 3:14	CZI0254	CI62009
3+4-Methylphenol	ND (0.671)		8270D		1	09/21/16 3:14	CZI0254	CI62009
3-Nitroaniline	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4,6-Dinitro-2-Methylphenol	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Bromophenyl-phenylether	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Chloro-3-Methylphenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Chloroaniline	ND (0.671)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Chloro-phenyl-phenyl ether	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Nitroaniline	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
4-Nitrophenol	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Acenaphthene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Acenaphthylene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Acetophenone	ND (0.671)		8270D		1	09/21/16 3:14	CZI0254	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.671)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Anthracene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Azobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzo(a)anthracene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzo(a)pyrene	ND (0.168)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzo(b)fluoranthene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzo(g,h,i)perylene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzo(k)fluoranthene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzoic Acid	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Benzyl Alcohol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
bis(2-Chloroethoxy)methane	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
bis(2-Chloroethyl)ether	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
bis(2-chloroisopropyl)Ether	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
bis(2-Ethylhexyl)phthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Butylbenzylphthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Carbazole	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Chrysene	ND (0.168)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Dibenzo(a,h)Anthracene	ND (0.168)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Dibenzofuran	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Diethylphthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Dimethylphthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Di-n-butylphthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Di-n-octylphthalate	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Fluoranthene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Fluorene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Hexachlorobenzene	ND (0.168)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Hexachlorobutadiene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Hexachlorocyclopentadiene	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Hexachloroethane	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Indeno(1,2,3-cd)Pyrene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Isophorone	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Naphthalene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/20/16 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
N-Nitrosodimethylamine	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
N-Nitroso-Di-n-Propylamine	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
N-nitrosodiphenylamine	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Pentachlorophenol	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Phenanthrene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Phenol	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Pyrene	ND (0.335)		8270D		1	09/21/16 3:14	CZI0254	CI62009
Pyridine	ND (1.68)		8270D		1	09/21/16 3:14	CZI0254	CI62009

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*81 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Corrosivity (pH)	**7.83** (N/A)		9045		1	JLK	09/19/16 21:32	S.U.	CI61952
Corrosivity (pH) Sample Temp	**Soil pH measured in water at 22.3 ºC.**								
Flashpoint	**> 200** (N/A)		1010		1	CRR	09/20/16 12:15	°F	CI62023
Sulfur, Total, WT PCT	**See Attached** (N/A)								
Total Cyanide	ND (0.97)		9014		1	EEM	09/21/16 10:35	mg/kg dry	CI62121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: P-46
Date Sampled: 09/19/16 13:01
Percent Solids: 97
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1609394
ESS Laboratory Sample ID: 1609394-02
Sample Matrix: Soil
Units: °C
Analyst: LAB
Prepared: 9/20/16 15:29

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**20.8** (N/A)		1311		1	LAB	09/21/16 7:39	CI62033
Temperature (Max C)	**22.6** (N/A)		1311		1	LAB	09/21/16 7:39	CI62033
Temperature (Range)	**Temperature is not within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CI62015 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	16.3	1.94	mg/kg wet	15.90		102	80-120			
LCS Dup										
Mercury	17.0	1.87	mg/kg wet	15.90		107	80-120	4	20	
Batch CI62016 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	146	9.62	mg/kg wet	161.0		91	80-120			
Barium	353	9.62	mg/kg wet	351.0		101	80-120			
Cadmium	184	1.92	mg/kg wet	190.0		97	80-120			
Chromium	78.8	3.85	mg/kg wet	87.90		90	80-120			
Lead	134	19.2	mg/kg wet	138.0		97	80-120			
Selenium	314	24.0	mg/kg wet	305.0		103	80-120			
Silver	57.0	1.92	mg/kg wet	58.00		98	80-120			
LCS Dup										
Arsenic	147	9.62	mg/kg wet	161.0		91	80-120	0.7	20	
Barium	344	9.62	mg/kg wet	351.0		98	80-120	3	20	
Cadmium	183	1.92	mg/kg wet	190.0		96	80-120	0.5	20	
Chromium	78.6	3.85	mg/kg wet	87.90		89	80-120	0.2	20	
Lead	133	19.2	mg/kg wet	138.0		96	80-120	1	20	
Selenium	346	24.0	mg/kg wet	305.0		114	80-120	10	30	
Silver	56.8	1.92	mg/kg wet	58.00		98	80-120	0.5	20	
1311 TCLP Metals										
Batch CI62117 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.473	0.050	mg/L	0.5000		95	80-120			
LCS Dup										
Lead	0.478	0.050	mg/L	0.5000		96	80-120	1	20	
5035/8260B Volatile Organic Compounds / Methanol										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62232 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	0.638	1.00	mg/kg wet							J
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62232 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Xylenes (Total)	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.37*		mg/kg wet	*5.000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.51*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Toluene-d8	*4.59*		mg/kg wet	*5.000*		*92*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.91	0.200	mg/kg wet	2.000		96	70-130			
1,1,1-Trichloroethane	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,1,2,2-Tetrachloroethane	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,1,2-Trichloroethane	1.75	0.200	mg/kg wet	2.000		88	70-130			
1,1-Dichloroethane	1.81	0.200	mg/kg wet	2.000		90	70-130			
1,1-Dichloroethene	1.65	0.200	mg/kg wet	2.000		82	70-130			
1,1-Dichloropropene	1.91	0.200	mg/kg wet	2.000		96	70-130			
1,2,3-Trichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130			
1,2,3-Trichloropropane	1.81	0.200	mg/kg wet	2.000		91	70-130			
1,2,4-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2,4-Trimethylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CI62232 - 5035										
1,2-Dibromo-3-Chloropropane	1.89	1.00	mg/kg wet	2.000		95	70-130			
1,2-Dibromoethane	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichlorobenzene	2.15	0.200	mg/kg wet	2.000		108	70-130			
1,2-Dichloroethane	2.01	0.200	mg/kg wet	2.000		101	70-130			
1,2-Dichloropropane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,3,5-Trimethylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,3-Dichlorobenzene	2.11	0.200	mg/kg wet	2.000		106	70-130			
1,3-Dichloropropane	1.81	0.200	mg/kg wet	2.000		90	70-130			
1,4-Dichlorobenzene	2.15	0.200	mg/kg wet	2.000		108	70-130			
1,4-Dioxane - Screen	59.7	40.0	mg/kg wet	40.00		149	44-241			
1-Chlorohexane	1.97	0.200	mg/kg wet	2.000		99	70-130			
2,2-Dichloropropane	1.91	0.200	mg/kg wet	2.000		95	70-130			
2-Butanone	10.4	1.00	mg/kg wet	10.00		104	70-130			
2-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130			
2-Hexanone	9.54	1.00	mg/kg wet	10.00		95	70-130			
4-Chlorotoluene	1.96	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	2.05	0.200	mg/kg wet	2.000		102	70-130			
4-Methyl-2-Pentanone	9.38	1.00	mg/kg wet	10.00		94	70-130			
Acetone	10.1	1.00	mg/kg wet	10.00		101	70-130			
Benzene	1.91	0.200	mg/kg wet	2.000		96	70-130			
Bromobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Bromochloromethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
Bromodichloromethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
Bromoform	1.70	0.200	mg/kg wet	2.000		85	70-130			
Bromomethane	1.73	0.200	mg/kg wet	2.000		86	70-130			
Carbon Disulfide	1.99	0.200	mg/kg wet	2.000		99	70-130			
Carbon Tetrachloride	1.95	0.200	mg/kg wet	2.000		98	70-130			
Chlorobenzene	2.12	0.200	mg/kg wet	2.000		106	70-130			
Chloroethane	1.71	0.200	mg/kg wet	2.000		85	70-130			
Chloroform	1.86	0.200	mg/kg wet	2.000		93	70-130			
Chloromethane	1.81	0.200	mg/kg wet	2.000		90	70-130			
cis-1,2-Dichloroethene	2.07	0.200	mg/kg wet	2.000		104	70-130			
cis-1,3-Dichloropropene	1.93	0.200	mg/kg wet	2.000		97	70-130			
Dibromochloromethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
Dibromomethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
Dichlorodifluoromethane	1.66	0.200	mg/kg wet	2.000		83	70-130			
Diethyl Ether	1.96	0.200	mg/kg wet	2.000		98	70-130			
Di-isopropyl ether	2.20	0.200	mg/kg wet	2.000		110	70-130			
Ethyl tertiary-butyl ether	2.04	0.200	mg/kg wet	2.000		102	70-130			
Ethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130			
Hexachlorobutadiene	2.08	0.200	mg/kg wet	2.000		104	70-130			
Isopropylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Methyl tert-Butyl Ether	2.01	0.200	mg/kg wet	2.000		100	70-130			
Methylene Chloride	4.09	0.400	mg/kg wet	2.000		205	70-130			B+
Naphthalene	2.14	0.200	mg/kg wet	2.000		107	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62232 - 5035										
n-Butylbenzene	1.99	0.200	mg/kg wet	2.000		100	70-130			
n-Propylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
sec-Butylbenzene	2.13	0.200	mg/kg wet	2.000		106	70-130			
Styrene	1.91	0.200	mg/kg wet	2.000		95	70-130			
tert-Butylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Tertiary-amyl methyl ether	1.97	0.200	mg/kg wet	2.000		98	70-130			
Tetrachloroethene	1.84	0.200	mg/kg wet	2.000		92	70-130			
Tetrahydrofuran	2.23	1.00	mg/kg wet	2.000		112	70-130			
Toluene	1.96	0.200	mg/kg wet	2.000		98	70-130			
trans-1,2-Dichloroethene	1.89	0.200	mg/kg wet	2.000		94	70-130			
trans-1,3-Dichloropropene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Trichloroethene	1.86	0.200	mg/kg wet	2.000		93	70-130			
Vinyl Acetate	1.93	0.200	mg/kg wet	2.000		96	70-130			
Vinyl Chloride	1.77	0.200	mg/kg wet	2.000		88	70-130			
Xylene O	2.05	0.200	mg/kg wet	2.000		102	70-130			
Xylene P,M	4.00	0.400	mg/kg wet	4.000		100	70-130			
Xylenes (Total)	6.05	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.99*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.11*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130	3	25	
1,1,1-Trichloroethane	1.99	0.200	mg/kg wet	2.000		100	70-130	0.3	25	
1,1,2,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	2	25	
1,1,2-Trichloroethane	1.68	0.200	mg/kg wet	2.000		84	70-130	4	25	
1,1-Dichloroethane	1.89	0.200	mg/kg wet	2.000		94	70-130	4	25	
1,1-Dichloroethene	1.61	0.200	mg/kg wet	2.000		81	70-130	2	25	
1,1-Dichloropropene	1.86	0.200	mg/kg wet	2.000		93	70-130	3	25	
1,2,3-Trichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	5	25	
1,2,3-Trichloropropane	1.81	0.200	mg/kg wet	2.000		91	70-130	0	25	
1,2,4-Trichlorobenzene	1.93	0.200	mg/kg wet	2.000		96	70-130	2	25	
1,2,4-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	0.2	25	
1,2-Dibromo-3-Chloropropane	1.55	1.00	mg/kg wet	2.000		78	70-130	20	25	
1,2-Dibromoethane	1.87	0.200	mg/kg wet	2.000		93	70-130	5	25	
1,2-Dichlorobenzene	2.05	0.200	mg/kg wet	2.000		102	70-130	5	25	
1,2-Dichloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	3	25	
1,2-Dichloropropane	1.70	0.200	mg/kg wet	2.000		85	70-130	7	25	
1,3,5-Trimethylbenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	3	25	
1,3-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	3	25	
1,3-Dichloropropane	1.89	0.200	mg/kg wet	2.000		94	70-130	4	25	
1,4-Dichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	5	25	
1,4-Dioxane - Screen	55.3	40.0	mg/kg wet	40.00		138	44-241	8	200	
1-Chlorohexane	1.91	0.200	mg/kg wet	2.000		96	70-130	3	25	
2,2-Dichloropropane	2.02	0.200	mg/kg wet	2.000		101	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62232 - 5035										
2-Butanone	10.5	1.00	mg/kg wet	10.00		105	70-130	0.3	25	
2-Chlorotoluene	1.97	0.200	mg/kg wet	2.000		99	70-130	1	25	
2-Hexanone	9.09	1.00	mg/kg wet	10.00		91	70-130	5	25	
4-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	
4-Isopropyltoluene	2.04	0.200	mg/kg wet	2.000		102	70-130	0.6	25	
4-Methyl-2-Pentanone	9.48	1.00	mg/kg wet	10.00		95	70-130	1	25	
Acetone	8.72	1.00	mg/kg wet	10.00		87	70-130	15	25	
Benzene	1.89	0.200	mg/kg wet	2.000		94	70-130	1	25	
Bromobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	1	25	
Bromochloromethane	1.82	0.200	mg/kg wet	2.000		91	70-130	2	25	
Bromodichloromethane	2.01	0.200	mg/kg wet	2.000		101	70-130	3	25	
Bromoform	1.69	0.200	mg/kg wet	2.000		84	70-130	0.8	25	
Bromomethane	1.78	0.200	mg/kg wet	2.000		89	70-130	3	25	
Carbon Disulfide	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
Carbon Tetrachloride	2.01	0.200	mg/kg wet	2.000		101	70-130	3	25	
Chlorobenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	5	25	
Chloroethane	1.87	0.200	mg/kg wet	2.000		93	70-130	9	25	
Chloroform	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
Chloromethane	1.70	0.200	mg/kg wet	2.000		85	70-130	6	25	
cis-1,2-Dichloroethene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
cis-1,3-Dichloropropene	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
Dibromochloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130	1	25	
Dibromomethane	1.90	0.200	mg/kg wet	2.000		95	70-130	1	25	
Dichlorodifluoromethane	1.57	0.200	mg/kg wet	2.000		79	70-130	5	25	
Diethyl Ether	1.96	0.200	mg/kg wet	2.000		98	70-130	0.2	25	
Di-isopropyl ether	1.97	0.200	mg/kg wet	2.000		98	70-130	11	25	
Ethyl tertiary-butyl ether	1.89	0.200	mg/kg wet	2.000		94	70-130	8	25	
Ethylbenzene	1.95	0.200	mg/kg wet	2.000		98	70-130	5	25	
Hexachlorobutadiene	2.05	0.200	mg/kg wet	2.000		103	70-130	1	25	
Isopropylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	0.4	25	
Methyl tert-Butyl Ether	1.86	0.200	mg/kg wet	2.000		93	70-130	8	25	
Methylene Chloride	4.06	0.400	mg/kg wet	2.000		203	70-130	0.7	25	B+
Naphthalene	1.97	0.200	mg/kg wet	2.000		98	70-130	8	25	
n-Butylbenzene	1.97	0.200	mg/kg wet	2.000		99	70-130	0.8	25	
n-Propylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130	0	25	
sec-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	3	25	
Styrene	1.93	0.200	mg/kg wet	2.000		97	70-130	1	25	
tert-Butylbenzene	2.01	0.200	mg/kg wet	2.000		101	70-130	0.3	25	
Tertiary-amyl methyl ether	1.83	0.200	mg/kg wet	2.000		91	70-130	7	25	
Tetrachloroethene	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
Tetrahydrofuran	2.09	1.00	mg/kg wet	2.000		105	70-130	6	25	
Toluene	1.93	0.200	mg/kg wet	2.000		97	70-130	1	25	
trans-1,2-Dichloroethene	2.12	0.200	mg/kg wet	2.000		106	70-130	12	25	
trans-1,3-Dichloropropene	1.94	0.200	mg/kg wet	2.000		97	70-130	2	25	
Trichloroethene	1.81	0.200	mg/kg wet	2.000		91	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch CI62232 - 5035										
Vinyl Acetate	1.96	0.200	mg/kg wet	2.000		98	70-130	1	25	
Vinyl Chloride	1.88	0.200	mg/kg wet	2.000		94	70-130	6	25	
Xylene O	1.90	0.200	mg/kg wet	2.000		95	70-130	7	25	
Xylene P,M	4.06	0.400	mg/kg wet	4.000		102	70-130	1	25	
Xylenes (Total)	5.97	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.37*		mg/kg wet	*5.000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*5.14*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*5.25*		mg/kg wet	*5.000*		*105*	*70-130*			
8081B Organochlorine Pesticides										
Batch CI62007 - 3546										
Blank										
4,4´-DDD	ND	0.0025	mg/kg wet							
4,4´-DDD [2C]	ND	0.0025	mg/kg wet							
4,4´-DDE	ND	0.0025	mg/kg wet							
4,4´-DDE [2C]	ND	0.0025	mg/kg wet							
4,4´-DDT	ND	0.0025	mg/kg wet							
4,4´-DDT [2C]	ND	0.0025	mg/kg wet							
Aldrin	ND	0.0025	mg/kg wet							
Aldrin [2C]	ND	0.0025	mg/kg wet							
alpha-BHC	ND	0.0025	mg/kg wet							
alpha-BHC [2C]	ND	0.0025	mg/kg wet							
alpha-Chlordane	ND	0.0025	mg/kg wet							
alpha-Chlordane [2C]	ND	0.0025	mg/kg wet							
beta-BHC	ND	0.0025	mg/kg wet							
beta-BHC [2C]	ND	0.0025	mg/kg wet							
Chlordane (Total)	ND	0.0300	mg/kg wet							
Chlordane (Total) [2C]	ND	0.0300	mg/kg wet							
delta-BHC	ND	0.0025	mg/kg wet							
delta-BHC [2C]	ND	0.0025	mg/kg wet							
Dieldrin	ND	0.0025	mg/kg wet							
Dieldrin [2C]	ND	0.0025	mg/kg wet							
Endosulfan I	ND	0.0025	mg/kg wet							
Endosulfan I [2C]	ND	0.0025	mg/kg wet							
Endosulfan II	ND	0.0025	mg/kg wet							
Endosulfan II [2C]	ND	0.0025	mg/kg wet							
Endosulfan Sulfate	ND	0.0025	mg/kg wet							
Endosulfan Sulfate [2C]	ND	0.0025	mg/kg wet							
Endrin	ND	0.0025	mg/kg wet							
Endrin [2C]	ND	0.0025	mg/kg wet							
Endrin Aldehyde	ND	0.0025	mg/kg wet							
Endrin Aldehyde [2C]	ND	0.0025	mg/kg wet							
Endrin Ketone	ND	0.0025	mg/kg wet							
Endrin Ketone [2C]	ND	0.0025	mg/kg wet							

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CI62007 - 3546										
gamma-BHC (Lindane)	ND	0.0015	mg/kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0015	mg/kg wet							
gamma-Chlordane	ND	0.0025	mg/kg wet							
gamma-Chlordane [2C]	ND	0.0025	mg/kg wet							
Heptachlor	ND	0.0025	mg/kg wet							
Heptachlor [2C]	ND	0.0025	mg/kg wet							
Heptachlor Epoxide	ND	0.0025	mg/kg wet							
Heptachlor Epoxide [2C]	ND	0.0025	mg/kg wet							
Hexachlorobenzene	ND	0.0025	mg/kg wet							
Hexachlorobenzene [2C]	ND	0.0025	mg/kg wet							
Methoxychlor	ND	0.0025	mg/kg wet							
Methoxychlor [2C]	ND	0.0025	mg/kg wet							
Toxaphene	ND	0.125	mg/kg wet							
Toxaphene [2C]	ND	0.125	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0140*		mg/kg wet	*0.01250*		*112*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0140*		mg/kg wet	*0.01250*		*112*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0128*		mg/kg wet	*0.01250*		*103*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0128*		mg/kg wet	*0.01250*		*102*	*30-150*			
LCS										
4,4´-DDD	0.0135	0.0025	mg/kg wet	0.01250		108	40-140			
4,4´-DDD [2C]	0.0135	0.0025	mg/kg wet	0.01250		108	40-140			
4,4´-DDE	0.0140	0.0025	mg/kg wet	0.01250		112	40-140			
4,4´-DDE [2C]	0.0140	0.0025	mg/kg wet	0.01250		112	40-140			
4,4´-DDT	0.0154	0.0025	mg/kg wet	0.01250		123	40-140			
4,4´-DDT [2C]	0.0153	0.0025	mg/kg wet	0.01250		123	40-140			
Aldrin	0.0134	0.0025	mg/kg wet	0.01250		108	40-140			
Aldrin [2C]	0.0134	0.0025	mg/kg wet	0.01250		107	40-140			
alpha-BHC	0.0128	0.0025	mg/kg wet	0.01250		102	40-140			
alpha-BHC [2C]	0.0131	0.0025	mg/kg wet	0.01250		105	40-140			
alpha-Chlordane	0.0136	0.0025	mg/kg wet	0.01250		109	40-140			
alpha-Chlordane [2C]	0.0136	0.0025	mg/kg wet	0.01250		109	40-140			
beta-BHC	0.0134	0.0025	mg/kg wet	0.01250		107	40-140			
beta-BHC [2C]	0.0134	0.0025	mg/kg wet	0.01250		107	40-140			
delta-BHC	0.0124	0.0025	mg/kg wet	0.01250		99	40-140			
delta-BHC [2C]	0.0126	0.0025	mg/kg wet	0.01250		100	40-140			
Dieldrin	0.0146	0.0025	mg/kg wet	0.01250		117	40-140			
Dieldrin [2C]	0.0146	0.0025	mg/kg wet	0.01250		117	40-140			
Endosulfan I	0.0137	0.0025	mg/kg wet	0.01250		110	40-140			
Endosulfan I [2C]	0.0138	0.0025	mg/kg wet	0.01250		110	40-140			
Endosulfan II	0.0140	0.0025	mg/kg wet	0.01250		112	40-140			
Endosulfan II [2C]	0.0140	0.0025	mg/kg wet	0.01250		112	40-140			
Endosulfan Sulfate	0.0145	0.0025	mg/kg wet	0.01250		116	40-140			
Endosulfan Sulfate [2C]	0.0144	0.0025	mg/kg wet	0.01250		116	40-140			
Endrin	0.0144	0.0025	mg/kg wet	0.01250		115	40-140			

CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CI62007 - 3546										
Endrin [2C]	0.0144	0.0025	mg/kg wet	0.01250		115	40-140			
Endrin Aldehyde	0.0135	0.0025	mg/kg wet	0.01250		108	40-140			
Endrin Aldehyde [2C]	0.0142	0.0025	mg/kg wet	0.01250		113	40-140			
Endrin Ketone	0.0150	0.0025	mg/kg wet	0.01250		120	40-140			
Endrin Ketone [2C]	0.0150	0.0025	mg/kg wet	0.01250		120	40-140			
gamma-BHC (Lindane)	0.0130	0.0015	mg/kg wet	0.01250		104	40-140			
gamma-BHC (Lindane) [2C]	0.0130	0.0015	mg/kg wet	0.01250		104	40-140			
gamma-Chlordane	0.0137	0.0025	mg/kg wet	0.01250		110	40-140			
gamma-Chlordane [2C]	0.0137	0.0025	mg/kg wet	0.01250		109	40-140			
Heptachlor	0.0128	0.0025	mg/kg wet	0.01250		103	40-140			
Heptachlor [2C]	0.0129	0.0025	mg/kg wet	0.01250		103	40-140			
Heptachlor Epoxide	0.0142	0.0025	mg/kg wet	0.01250		114	40-140			
Heptachlor Epoxide [2C]	0.0141	0.0025	mg/kg wet	0.01250		113	40-140			
Hexachlorobenzene	0.0140	0.0025	mg/kg wet	0.01250		112	40-140			
Hexachlorobenzene [2C]	0.0139	0.0025	mg/kg wet	0.01250		111	40-140			
Methoxychlor	0.0154	0.0025	mg/kg wet	0.01250		123	40-140			
Methoxychlor [2C]	0.0153	0.0025	mg/kg wet	0.01250		123	40-140			
Surrogate: Decachlorobiphenyl	*0.0155*		mg/kg wet	*0.01250*		*124*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0155*		mg/kg wet	*0.01250*		*124*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0135*		mg/kg wet	*0.01250*		*108*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0132*		mg/kg wet	*0.01250*		*106*	*30-150*			
LCS Dup										
4,4´-DDD	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	0.9	30	
4,4´-DDD [2C]	0.0136	0.0025	mg/kg wet	0.01250		109	40-140	0.4	30	
4,4´-DDE	0.0143	0.0025	mg/kg wet	0.01250		115	40-140	2	30	
4,4´-DDE [2C]	0.0143	0.0025	mg/kg wet	0.01250		114	40-140	2	30	
4,4´-DDT	0.0156	0.0025	mg/kg wet	0.01250		125	40-140	1	30	
4,4´-DDT [2C]	0.0155	0.0025	mg/kg wet	0.01250		124	40-140	0.9	30	
Aldrin	0.0140	0.0025	mg/kg wet	0.01250		112	40-140	4	30	
Aldrin [2C]	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	4	30	
alpha-BHC	0.0132	0.0025	mg/kg wet	0.01250		106	40-140	4	30	
alpha-BHC [2C]	0.0137	0.0025	mg/kg wet	0.01250		109	40-140	4	30	
alpha-Chlordane	0.0141	0.0025	mg/kg wet	0.01250		112	40-140	3	30	
alpha-Chlordane [2C]	0.0140	0.0025	mg/kg wet	0.01250		112	40-140	3	30	
beta-BHC	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	3	30	
beta-BHC [2C]	0.0138	0.0025	mg/kg wet	0.01250		110	40-140	3	30	
delta-BHC	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	3	30	
delta-BHC [2C]	0.0128	0.0025	mg/kg wet	0.01250		103	40-140	2	30	
Dieldrin	0.0152	0.0025	mg/kg wet	0.01250		121	40-140	4	30	
Dieldrin [2C]	0.0151	0.0025	mg/kg wet	0.01250		121	40-140	3	30	
Endosulfan I	0.0143	0.0025	mg/kg wet	0.01250		114	40-140	4	30	
Endosulfan I [2C]	0.0143	0.0025	mg/kg wet	0.01250		115	40-140	4	30	
Endosulfan II	0.0142	0.0025	mg/kg wet	0.01250		114	40-140	2	30	
Endosulfan II [2C]	0.0142	0.0025	mg/kg wet	0.01250		113	40-140	1	30	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8081B Organochlorine Pesticides										
Batch CI62007 - 3546										
Endosulfan Sulfate	0.0146	0.0025	mg/kg wet	0.01250		117	40-140	0.8	30	
Endosulfan Sulfate [2C]	0.0146	0.0025	mg/kg wet	0.01250		116	40-140	0.8	30	
Endrin	0.0149	0.0025	mg/kg wet	0.01250		119	40-140	3	30	
Endrin [2C]	0.0148	0.0025	mg/kg wet	0.01250		119	40-140	3	30	
Endrin Aldehyde	0.0139	0.0025	mg/kg wet	0.01250		111	40-140	3	30	
Endrin Aldehyde [2C]	0.0147	0.0025	mg/kg wet	0.01250		117	40-140	4	30	
Endrin Ketone	0.0150	0.0025	mg/kg wet	0.01250		120	40-140	0.3	30	
Endrin Ketone [2C]	0.0151	0.0025	mg/kg wet	0.01250		121	40-140	0.3	30	
gamma-BHC (Lindane)	0.0135	0.0015	mg/kg wet	0.01250		108	40-140	4	30	
gamma-BHC (Lindane) [2C]	0.0135	0.0015	mg/kg wet	0.01250		108	40-140	4	30	
gamma-Chlordane	0.0142	0.0025	mg/kg wet	0.01250		114	40-140	3	30	
gamma-Chlordane [2C]	0.0142	0.0025	mg/kg wet	0.01250		114	40-140	4	30	
Heptachlor	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	4	30	
Heptachlor [2C]	0.0134	0.0025	mg/kg wet	0.01250		107	40-140	4	30	
Heptachlor Epoxide	0.0148	0.0025	mg/kg wet	0.01250		118	40-140	4	30	
Heptachlor Epoxide [2C]	0.0148	0.0025	mg/kg wet	0.01250		118	40-140	4	30	
Hexachlorobenzene	0.0145	0.0025	mg/kg wet	0.01250		116	40-140	4	30	
Hexachlorobenzene [2C]	0.0144	0.0025	mg/kg wet	0.01250		115	40-140	3	30	
Methoxychlor	0.0154	0.0025	mg/kg wet	0.01250		123	40-140	0.06	30	
Methoxychlor [2C]	0.0154	0.0025	mg/kg wet	0.01250		123	40-140	0.3	30	
Surrogate: Decachlorobiphenyl	*0.0149*		mg/kg wet	*0.01250*		*119*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0149*		mg/kg wet	*0.01250*		*119*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0137*		mg/kg wet	*0.01250*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0134*		mg/kg wet	*0.01250*		*107*	*30-150*			
8082A Polychlorinated Biphenyls (PCB)										
Batch CI61914 - 3540C										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0193*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0201*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0166*		mg/kg wet	*0.02500*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0180*		mg/kg wet	*0.02500*		*72*	*30-150*			
LCS										
Aroclor 1016	0.424	0.0500	mg/kg wet	0.5000		85	40-140			

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CI61914 - 3540C										
Aroclor 1260	0.433	0.0500	mg/kg wet	0.5000		87	40-140			
Surrogate: Decachlorobiphenyl	*0.0196*		mg/kg wet	*0.02500*		*78*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0205*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0175*		mg/kg wet	*0.02500*		*70*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0174*		mg/kg wet	*0.02500*		*69*	*30-150*			
LCS Dup										
Aroclor 1016	0.448	0.0500	mg/kg wet	0.5000		90	40-140	6	30	
Aroclor 1260	0.453	0.0500	mg/kg wet	0.5000		91	40-140	4	30	
Surrogate: Decachlorobiphenyl	*0.0201*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0214*		mg/kg wet	*0.02500*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0190*		mg/kg wet	*0.02500*		*76*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0188*		mg/kg wet	*0.02500*		*75*	*30-150*			
8100M Total Petroleum Hydrocarbons										
Batch CI61916 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.46*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		70	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140			

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI61916 - 3546										
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Total Petroleum Hydrocarbons	29.7	37.5	mg/kg wet	35.00		85	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*4.90*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		83	40-140	2	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		92	40-140	1	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		88	40-140	1	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		93	40-140	1	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	2	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		74	30-140	5	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		94	40-140	2	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140	1	25	
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140	1	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.4	25	
Total Petroleum Hydrocarbons	29.6	37.5	mg/kg wet	35.00		85	40-140	0.3	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Surrogate: O-Terphenyl	*4.93*		mg/kg wet	*5.000*		*99*	*40-140*			
8151A Chlorinated Herbicides										
Batch CI62039 - 3546										
Blank										
2,4,5-T	ND	0.010	mg/kg wet							
2,4,5-T [2C]	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.010	mg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	0.010	mg/kg wet							
2,4-D	ND	0.188	mg/kg wet							
2,4-D [2C]	ND	0.188	mg/kg wet							
2,4-DB	ND	0.190	mg/kg wet							
2,4-DB [2C]	ND	0.190	mg/kg wet							
Dalapon	ND	0.182	mg/kg wet							
Dalapon [2C]	ND	0.182	mg/kg wet							
Dicamba	ND	0.009	mg/kg wet							
Dicamba [2C]	ND	0.009	mg/kg wet							
Dichlorprop	ND	0.188	mg/kg wet							
Dichlorprop [2C]	ND	0.188	mg/kg wet							
Dinoseb	ND	0.190	mg/kg wet							
Dinoseb [2C]	ND	0.190	mg/kg wet							
MCPA	ND	18.6	mg/kg wet							
MCPA [2C]	ND	18.6	mg/kg wet							

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Quality Control Data

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8151A Chlorinated Herbicides										
Batch CI62039 - 3546										
MCPP	ND	18.8	mg/kg wet							
MCPP [2C]	ND	18.8	mg/kg wet							
Surrogate: DCAA	*17.2*		mg/kg wet	*20.00*		*86*	*30-150*			
Surrogate: DCAA [2C]	*15.8*		mg/kg wet	*20.00*		*79*	*30-150*			
LCS										
2,4,5-T	0.013	0.010	mg/kg wet	0.01900		68	40-140			
2,4,5-T [2C]	0.012	0.010	mg/kg wet	0.01900		64	40-140			
2,4,5-TP (Silvex)	0.012	0.010	mg/kg wet	0.01900		64	40-140			
2,4,5-TP (Silvex) [2C]	0.011	0.010	mg/kg wet	0.01900		56	40-140			
2,4-D	0.130	0.188	mg/kg wet	0.1880		69	40-140			
2,4-D [2C]	0.141	0.188	mg/kg wet	0.1880		75	40-140			
2,4-DB	0.090	0.190	mg/kg wet	0.1900		47	40-140			
2,4-DB [2C]	0.081	0.190	mg/kg wet	0.1900		43	40-140			
Dalapon	0.195	0.182	mg/kg wet	0.4550		43	40-140			
Dalapon [2C]	0.247	0.182	mg/kg wet	0.4550		54	40-140			
Dicamba	0.013	0.009	mg/kg wet	0.01880		68	40-140			
Dicamba [2C]	0.012	0.009	mg/kg wet	0.01880		64	40-140			
Dichlorprop	0.136	0.188	mg/kg wet	0.1880		73	40-140			
Dichlorprop [2C]	0.151	0.188	mg/kg wet	0.1880		80	40-140			
Dinoseb	0.016	0.190	mg/kg wet	0.09500		16	10-100			
Dinoseb [2C]	0.016	0.190	mg/kg wet	0.09500		17	10-100			
MCPA	12.5	18.6	mg/kg wet	18.60		67	40-140			
MCPA [2C]	12.1	18.6	mg/kg wet	18.60		65	40-140			
MCPP	10.9	18.8	mg/kg wet	18.80		58	40-140			
MCPP [2C]	11.7	18.8	mg/kg wet	18.80		62	40-140			
Surrogate: DCAA	*19.2*		mg/kg wet	*20.00*		*96*	*30-150*			
Surrogate: DCAA [2C]	*17.6*		mg/kg wet	*20.00*		*88*	*30-150*			
LCS Dup										
2,4,5-T	0.014	0.010	mg/kg wet	0.01900		74	40-140	8	30	
2,4,5-T [2C]	0.013	0.010	mg/kg wet	0.01900		68	40-140	6	30	
2,4,5-TP (Silvex)	0.014	0.010	mg/kg wet	0.01900		72	40-140	12	30	
2,4,5-TP (Silvex) [2C]	0.014	0.010	mg/kg wet	0.01900		74	40-140	28	30	
2,4-D	0.131	0.188	mg/kg wet	0.1880		70	40-140	1	30	
2,4-D [2C]	0.150	0.188	mg/kg wet	0.1880		80	40-140	6	30	
2,4-DB	0.136	0.190	mg/kg wet	0.1900		71	40-140	41	30	D+
2,4-DB [2C]	0.119	0.190	mg/kg wet	0.1900		63	40-140	38	30	D+
Dalapon	0.205	0.182	mg/kg wet	0.4550		45	40-140	5	30	
Dalapon [2C]	0.247	0.182	mg/kg wet	0.4550		54	40-140	0.1	30	
Dicamba	0.014	0.009	mg/kg wet	0.01880		72	40-140	6	30	
Dicamba [2C]	0.012	0.009	mg/kg wet	0.01880		66	40-140	3	30	
Dichlorprop	0.146	0.188	mg/kg wet	0.1880		77	40-140	6	30	
Dichlorprop [2C]	0.143	0.188	mg/kg wet	0.1880		76	40-140	6	30	
Dinoseb	0.017	0.190	mg/kg wet	0.09500		18	10-100	11	30	
Dinoseb [2C]	0.019	0.190	mg/kg wet	0.09500		20	10-100	17	30	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8151A Chlorinated Herbicides										
Batch CI62039 - 3546										
MCPA	13.5	18.6	mg/kg wet	18.60		72	40-140	8	30	
MCPA [2C]	12.3	18.6	mg/kg wet	18.60		66	40-140	2	30	
MCPP	12.4	18.8	mg/kg wet	18.80		66	40-140	13	30	
MCPP [2C]	12.7	18.8	mg/kg wet	18.80		68	40-140	9	30	
Surrogate: DCAA	*18.5*		mg/kg wet	*20.00*		*93*	*30-150*			
Surrogate: DCAA [2C]	*15.2*		mg/kg wet	*20.00*		*76*	*30-150*			
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.73*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.06*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.15*		mg/kg wet	*5.000*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Surrogate: p-Terphenyl-d14	*3.08*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS										
1,1-Biphenyl	2.23	0.333	mg/kg wet	3.333		67	40-140			
1,2,4-Trichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140			
1,3-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140			
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
2,3,4,6-Tetrachlorophenol	2.25	1.67	mg/kg wet	3.333		67	30-130			
2,4,5-Trichlorophenol	2.55	0.333	mg/kg wet	3.333		76	30-130			
2,4,6-Trichlorophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dichlorophenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dimethylphenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dinitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
2,4-Dinitrotoluene	2.66	0.333	mg/kg wet	3.333		80	40-140			
2,6-Dinitrotoluene	2.39	0.333	mg/kg wet	3.333		72	40-140			
2-Chloronaphthalene	2.08	0.333	mg/kg wet	3.333		62	40-140			
2-Chlorophenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
2-Methylnaphthalene	2.17	0.333	mg/kg wet	3.333		65	40-140			
2-Methylphenol	2.22	0.333	mg/kg wet	3.333		67	30-130			
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		67	40-140			
2-Nitrophenol	2.17	0.333	mg/kg wet	3.333		65	30-130			
3,3´-Dichlorobenzidine	2.38	0.667	mg/kg wet	3.333		71	40-140			
3+4-Methylphenol	5.06	0.667	mg/kg wet	6.667		76	30-130			
3-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140			
4,6-Dinitro-2-Methylphenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
4-Bromophenyl-phenylether	2.41	0.333	mg/kg wet	3.333		72	40-140			
4-Chloro-3-Methylphenol	2.38	0.333	mg/kg wet	3.333		71	30-130			
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140			
4-Chloro-phenyl-phenyl ether	2.28	0.333	mg/kg wet	3.333		68	40-140			
4-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140			
4-Nitrophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.29	0.333	mg/kg wet	3.333		69	40-140			
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.20	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.86	0.667	mg/kg wet	3.333		56	40-140			
Anthracene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Benzo(a)anthracene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzoic Acid	2.00	1.67	mg/kg wet	3.333		60	40-140			
Benzyl Alcohol	2.16	0.333	mg/kg wet	3.333		65	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
bis(2-Chloroethoxy)methane	2.19	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethyl)ether	2.09	0.333	mg/kg wet	3.333		63	40-140			
bis(2-chloroisopropyl)Ether	2.16	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Ethylhexyl)phthalate	2.52	0.333	mg/kg wet	3.333		76	40-140			
Butylbenzylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140			
Carbazole	2.67	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.58	0.167	mg/kg wet	3.333		77	40-140			
Dibenzo(a,h)Anthracene	2.63	0.167	mg/kg wet	3.333		79	40-140			
Dibenzofuran	2.27	0.333	mg/kg wet	3.333		68	40-140			
Diethylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.41	0.333	mg/kg wet	3.333		72	40-140			
Di-n-butylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorobenzene	2.47	0.167	mg/kg wet	3.333		74	40-140			
Hexachlorobutadiene	2.07	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.62	1.67	mg/kg wet	3.333		49	40-140			
Hexachloroethane	2.05	0.333	mg/kg wet	3.333		61	40-140			
Indeno(1,2,3-cd)Pyrene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Isophorone	2.26	0.333	mg/kg wet	3.333		68	40-140			
Naphthalene	2.12	0.333	mg/kg wet	3.333		63	40-140			
Nitrobenzene	2.14	0.333	mg/kg wet	3.333		64	40-140			
N-Nitrosodimethylamine	2.07	0.333	mg/kg wet	3.333		62	40-140			
N-Nitroso-Di-n-Propylamine	2.29	0.333	mg/kg wet	3.333		69	40-140			
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pentachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
Pyrene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pyridine	1.93	1.67	mg/kg wet	3.333		58	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.34*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.39*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.74*		mg/kg wet	*3.333*		*82*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.24	0.333	mg/kg wet	3.333		67	40-140	0.5	30	
1,2,4-Trichlorobenzene	2.13	0.333	mg/kg wet	3.333		64	40-140	2	30	
1,2-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	1	30	
1,3-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140	1	30	
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140	0.08	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
2,3,4,6-Tetrachlorophenol	2.31	1.67	mg/kg wet	3.333		69	30-130	3	30	
2,4,5-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	0.9	30	
2,4,6-Trichlorophenol	2.35	0.333	mg/kg wet	3.333		71	30-130	0.3	30	
2,4-Dichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	0.7	30	
2,4-Dimethylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	1	30	
2,4-Dinitrophenol	2.70	1.67	mg/kg wet	3.333		81	30-130	10	30	
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		82	40-140	3	30	
2,6-Dinitrotoluene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
2-Chloronaphthalene	2.09	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
2-Chlorophenol	2.20	0.333	mg/kg wet	3.333		66	30-130	0.3	30	
2-Methylnaphthalene	2.17	0.333	mg/kg wet	3.333		65	40-140	0.2	30	
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130	2	30	
2-Nitroaniline	2.23	0.333	mg/kg wet	3.333		67	40-140	0.6	30	
2-Nitrophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	3	30	
3,3´-Dichlorobenzidine	2.51	0.667	mg/kg wet	3.333		75	40-140	5	30	
3+4-Methylphenol	5.07	0.667	mg/kg wet	6.667		76	30-130	0.2	30	
3-Nitroaniline	2.53	0.333	mg/kg wet	3.333		76	40-140	0.7	30	
4,6-Dinitro-2-Methylphenol	2.79	1.67	mg/kg wet	3.333		84	30-130	3	30	
4-Bromophenyl-phenylether	2.41	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
4-Chloro-3-Methylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	0.2	30	
4-Chloroaniline	2.19	0.667	mg/kg wet	3.333		66	40-140	0.4	30	
4-Chloro-phenyl-phenyl ether	2.29	0.333	mg/kg wet	3.333		69	40-140	0.8	30	
4-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	4	30	
4-Nitrophenol	2.61	1.67	mg/kg wet	3.333		78	30-130	6	30	
Acenaphthene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.2	30	
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140	0.01	30	
Acetophenone	2.23	0.667	mg/kg wet	3.333		67	40-140	1	30	
Aniline	1.84	0.667	mg/kg wet	3.333		55	40-140	1	30	
Anthracene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Azobenzene	2.33	0.333	mg/kg wet	3.333		70	40-140	0.8	30	
Benzo(a)anthracene	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		84	40-140	3	30	
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	2	30	
Benzo(g,h,i)perylene	2.76	0.333	mg/kg wet	3.333		83	40-140	4	30	
Benzo(k)fluoranthene	2.79	0.333	mg/kg wet	3.333		84	40-140	4	30	
Benzoic Acid	2.19	1.67	mg/kg wet	3.333		66	40-140	9	30	
Benzyl Alcohol	2.17	0.333	mg/kg wet	3.333		65	40-140	0.4	30	
bis(2-Chloroethoxy)methane	2.19	0.333	mg/kg wet	3.333		66	40-140	0.1	30	
bis(2-Chloroethyl)ether	2.09	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
bis(2-chloroisopropyl)Ether	2.20	0.333	mg/kg wet	3.333		66	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.66	0.333	mg/kg wet	3.333		80	40-140	6	30	
Butylbenzylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	5	30	
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Chrysene	2.68	0.167	mg/kg wet	3.333		80	40-140	4	30	
Dibenzo(a,h)Anthracene	2.72	0.167	mg/kg wet	3.333		82	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62009 - 3546										
Dibenzofuran	2.27	0.333	mg/kg wet	3.333		68	40-140	0.2	30	
Diethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140	1	30	
Dimethylphthalate	2.40	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
Di-n-butylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	6	30	
Di-n-octylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	6	30	
Fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	4	30	
Fluorene	2.38	0.333	mg/kg wet	3.333		72	40-140	0.4	30	
Hexachlorobenzene	2.49	0.167	mg/kg wet	3.333		75	40-140	0.9	30	
Hexachlorobutadiene	2.10	0.333	mg/kg wet	3.333		63	40-140	2	30	
Hexachlorocyclopentadiene	1.90	1.67	mg/kg wet	3.333		57	40-140	16	30	
Hexachloroethane	2.06	0.333	mg/kg wet	3.333		62	40-140	0.6	30	
Indeno(1,2,3-cd)Pyrene	2.72	0.333	mg/kg wet	3.333		81	40-140	3	30	
Isophorone	2.27	0.333	mg/kg wet	3.333		68	40-140	0.5	30	
Naphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140	1	30	
Nitrobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	1	30	
N-Nitrosodimethylamine	2.00	0.333	mg/kg wet	3.333		60	40-140	4	30	
N-Nitroso-Di-n-Propylamine	2.31	0.333	mg/kg wet	3.333		69	40-140	0.9	30	
N-nitrosodiphenylamine	2.61	0.333	mg/kg wet	3.333		78	40-140	0.4	30	
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	3	30	
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140	2	30	
Phenol	2.29	0.333	mg/kg wet	3.333		69	30-130	2	30	
Pyrene	2.68	0.333	mg/kg wet	3.333		81	40-140	3	30	
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140	11	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.30*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.21*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.22*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.31*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.75*		mg/kg wet	*3.333*		*83*	*30-130*			
Classical Chemistry										
Batch CI62023 - General Preparation										
Reference										
Flashpoint	81		°F	81.00		100	97.9-102.1			
Batch CI62121 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.02	1.00	mg/kg wet	5.015		100	90-110			
Reference										
Total Cyanide	50.8	4.98	mg/kg wet	48.40		105	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CI62121 - TCN Prep										
Reference										
Total Cyanide	51.0	4.96	mg/kg wet	48.40		105	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609394

Notes and Definitions

Z18	Temperature is not within 23 +/-2 ºC.
Z-10	Soil pH measured in water at 22.3 ºC.
Z-08	See Attached
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
>	Greater than.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609394

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date September 26, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 57097, 57098

****Results reported on 'dry basis'.**

Blank = <0.05mg/kg

LCS Lo Check 0.100 = 0.108mg/kg

CCV 1.00 = 1.09mg/kg

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

9/26/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
This report may not be reproduced, except in full, without written approval from Sterling Analytical, Inc.

Sample	Description	Source	Taken/Time	Received
57097	1609394-01	ESS Laboratory	9/19/16	9/21/16

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	186	ppm	10.00	Special method	09/26/16	dfp

Sample	Description	Source	Taken/Time	Received
57098	1609394-02	ESS Laboratory	9/19/16	9/21/16

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	62.90	ppm	10.00	Special method	09/26/16	dfp

ESS Laboratory **Sterling**

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609394

Turn Time _____ Standard **DUE 9/26/16**

Reporting Limits - _____

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 1609394	
Contact Person: Shawn Morrell	Address:		
City:	State:	Zip:	PO #: B02409
Tel.:	email: smorrell@thielsch.com		

Analysis: Total Sulfur 6010

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Total Sulfur 6010
	9/19/16	0928	C	S	1609394-01	1	1	AG	2 oz	X
	9/19/16	1301	C	S	1609394-02	1	1	AG	2 oz	X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present _____Yes _____No

Seals Intact ____ Yes _____No NA:___

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
9/21/16 12:55	9-21-16 1255		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: ESS Courier

ESS Project ID: 1609394
Date Received: 9/19/2016
Project Due Date: 9/26/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 3.6 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No JF 9/19/16
    ESS Sample IDs:
    Analysis: TOTAL Sulfur
    TAT: 5 DAY
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	68181	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	68182	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	68183	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	68185	Yes	No	Yes	VOA Vial - Methanol	MeOH	
02	68178	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	68179	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	68180	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	68184	Yes	No	Yes	VOA Vial - Methanol	MeOH	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Adam Bogsko Date & Time: 9/19/16 1547
Reviewed By: [signature] Date & Time: 9/19/16 1805
Delivered By: [signature] 9/19/16 1805

ESS Laboratory

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Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609394

Turn Time ____ Standard Other ____

Reporting Limits - RDEC

Regulatory State: MA RI CT NH NJ NY ME Other ____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other ____

Electonic Deliverables Excel Access PDF

Co. Name: G2A

Project # 33554.90

Project Name: 121 Terminal Rd. Access Rd.

Contact Person: Meg Kilpatrick

Address: 530 Broadway

City: Providence

State: Rhode Island

Zip: 02909

PO #

Tel. 401-421-4140

Fax.

email: mkilpatrick@G2A.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 metals	PCB 8082	Total Cyanide 9010	Total Sulfur 6010	TCLP Lead 6010	pH	Flashpoint	Pesticides	Herbicides
1	9/19/16	9:28	C	S	P-45	6,1	4	AG,V	40 oz.	X	X	X	X	X	X	X	X	X	X	X	X
2	9/19/16	13:01	C	S	P-46	6,1	4	AG,V	40 oz.	X	X	X	X	X	X	X	X	X	X	X	X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 3.6

Internal Use Only
[ ] Pickup
[ ] Technician ____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N. Grid rates apply matthew.muto@G2A.com

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 9/19/16 15:32	[signature] 9/19/16 1533		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1609469

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:31 pm, Sep 28, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

SAMPLE RECEIPT

The following samples were received on September 21, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1609469-01	Berm 2	Soil	8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

CZI0279-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (89% @ 80-120%)

CZI0279-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzyl Alcohol (29% @ 20%)

CZI0294-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (106% @ 80-120%), Benzoic Acid (92% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm 2
Date Sampled: 09/21/16 14:03
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609469
ESS Laboratory Sample ID: 1609469-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/22/16 9:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
1,2,4-Trichlorobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
1,2-Dichlorobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
1,3-Dichlorobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
1,4-Dichlorobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,3,4,6-Tetrachlorophenol	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4,5-Trichlorophenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4,6-Trichlorophenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4-Dichlorophenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4-Dimethylphenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4-Dinitrophenol	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,4-Dinitrotoluene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2,6-Dinitrotoluene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Chloronaphthalene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Chlorophenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Methylnaphthalene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Methylphenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Nitroaniline	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
2-Nitrophenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
3,3´-Dichlorobenzidine	ND (0.726)		8270D		1	09/22/16 19:00	CZI0294	CI62112
3+4-Methylphenol	ND (0.726)		8270D		1	09/22/16 19:00	CZI0294	CI62112
3-Nitroaniline	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4,6-Dinitro-2-Methylphenol	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Bromophenyl-phenylether	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Chloro-3-Methylphenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Chloroaniline	ND (0.726)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Chloro-phenyl-phenyl ether	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Nitroaniline	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
4-Nitrophenol	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Acenaphthene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Acenaphthylene	**0.404** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Acetophenone	ND (0.726)		8270D		1	09/22/16 19:00	CZI0294	CI62112

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm 2
Date Sampled: 09/21/16 14:03
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609469
ESS Laboratory Sample ID: 1609469-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/22/16 9:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.726)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Anthracene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Azobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzo(a)anthracene	**1.50** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzo(a)pyrene	**1.11** (0.182)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzo(b)fluoranthene	**1.86** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzo(g,h,i)perylene	**0.614** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzo(k)fluoranthene	**0.671** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzoic Acid	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Benzyl Alcohol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
bis(2-Chloroethoxy)methane	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
bis(2-Chloroethyl)ether	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
bis(2-chloroisopropyl)Ether	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
bis(2-Ethylhexyl)phthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Butylbenzylphthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Carbazole	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Chrysene	**1.66** (0.182)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Dibenzo(a,h)Anthracene	**0.315** (0.182)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Dibenzofuran	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Diethylphthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Dimethylphthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Di-n-butylphthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Di-n-octylphthalate	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Fluoranthene	**2.62** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Fluorene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Hexachlorobenzene	ND (0.182)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Hexachlorobutadiene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Hexachlorocyclopentadiene	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Hexachloroethane	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Indeno(1,2,3-cd)Pyrene	**0.655** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Isophorone	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Naphthalene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Berm 2
Date Sampled: 09/21/16 14:03
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1609469
ESS Laboratory Sample ID: 1609469-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/22/16 9:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
N-Nitrosodimethylamine	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
N-Nitroso-Di-n-Propylamine	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
N-nitrosodiphenylamine	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Pentachlorophenol	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Phenanthrene	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Phenol	ND (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Pyrene	**2.24** (0.363)		8270D		1	09/22/16 19:00	CZI0294	CI62112
Pyridine	ND (1.82)		8270D		1	09/22/16 19:00	CZI0294	CI62112

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*48 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*60 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*52 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*51 %*		*30-130*
Surrogate: 2-Fluorophenol	*50 %*		*30-130*
Surrogate: Nitrobenzene-d5	*47 %*		*30-130*
Surrogate: Phenol-d6	*54 %*		*30-130*
Surrogate: p-Terphenyl-d14	*66 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.53*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.39*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.94*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.32*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*3.73*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.95*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.63*		mg/kg wet	*3.333*		*109*	*30-130*			
LCS										
1,1-Biphenyl	2.62	0.333	mg/kg wet	3.333		78	40-140			
1,2,4-Trichlorobenzene	2.66	0.333	mg/kg wet	3.333		80	40-140			
1,2-Dichlorobenzene	2.59	0.333	mg/kg wet	3.333		78	40-140			
1,3-Dichlorobenzene	2.52	0.333	mg/kg wet	3.333		75	40-140			
1,4-Dichlorobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2,3,4,6-Tetrachlorophenol	2.56	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	3.11	0.333	mg/kg wet	3.333		93	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
2,4,6-Trichlorophenol	2.88	0.333	mg/kg wet	3.333		86	30-130			
2,4-Dichlorophenol	2.86	0.333	mg/kg wet	3.333		86	30-130			
2,4-Dimethylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130			
2,4-Dinitrophenol	1.94	1.67	mg/kg wet	3.333		58	30-130			
2,4-Dinitrotoluene	2.95	0.333	mg/kg wet	3.333		89	40-140			
2,6-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140			
2-Chloronaphthalene	2.39	0.333	mg/kg wet	3.333		72	40-140			
2-Chlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
2-Methylnaphthalene	2.71	0.333	mg/kg wet	3.333		81	40-140			
2-Methylphenol	2.83	0.333	mg/kg wet	3.333		85	30-130			
2-Nitroaniline	2.44	0.333	mg/kg wet	3.333		73	40-140			
2-Nitrophenol	2.75	0.333	mg/kg wet	3.333		82	30-130			
3,3´-Dichlorobenzidine	2.31	0.667	mg/kg wet	3.333		69	40-140			
3+4-Methylphenol	5.67	0.667	mg/kg wet	6.667		85	30-130			
3-Nitroaniline	2.72	0.333	mg/kg wet	3.333		82	40-140			
4,6-Dinitro-2-Methylphenol	2.26	1.67	mg/kg wet	3.333		68	30-130			
4-Bromophenyl-phenylether	2.78	0.333	mg/kg wet	3.333		83	40-140			
4-Chloro-3-Methylphenol	2.78	0.333	mg/kg wet	3.333		84	30-130			
4-Chloroaniline	2.66	0.667	mg/kg wet	3.333		80	40-140			
4-Chloro-phenyl-phenyl ether	2.82	0.333	mg/kg wet	3.333		85	40-140			
4-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140			
4-Nitrophenol	2.30	1.67	mg/kg wet	3.333		69	30-130			
Acenaphthene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Acenaphthylene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Acetophenone	2.65	0.667	mg/kg wet	3.333		80	40-140			
Aniline	2.11	0.667	mg/kg wet	3.333		63	40-140			
Anthracene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Azobenzene	2.55	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)anthracene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)pyrene	2.89	0.167	mg/kg wet	3.333		87	40-140			
Benzo(b)fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Benzo(g,h,i)perylene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Benzo(k)fluoranthene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Benzoic Acid	2.24	1.67	mg/kg wet	3.333		67	40-140			
Benzyl Alcohol	1.90	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethoxy)methane	2.56	0.333	mg/kg wet	3.333		77	40-140			
bis(2-Chloroethyl)ether	2.42	0.333	mg/kg wet	3.333		73	40-140			
bis(2-chloroisopropyl)Ether	2.72	0.333	mg/kg wet	3.333		81	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.77	0.167	mg/kg wet	3.333		83	40-140			
Dibenzo(a,h)Anthracene	3.07	0.167	mg/kg wet	3.333		92	40-140			
Dibenzofuran	2.69	0.333	mg/kg wet	3.333		81	40-140			
Diethylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
Dimethylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140			
Di-n-butylphthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Fluorene	2.85	0.333	mg/kg wet	3.333		85	40-140			
Hexachlorobenzene	2.90	0.167	mg/kg wet	3.333		87	40-140			
Hexachlorobutadiene	2.71	0.333	mg/kg wet	3.333		81	40-140			
Hexachlorocyclopentadiene	2.36	1.67	mg/kg wet	3.333		71	40-140			
Hexachloroethane	2.60	0.333	mg/kg wet	3.333		78	40-140			
Indeno(1,2,3-cd)Pyrene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Isophorone	2.79	0.333	mg/kg wet	3.333		84	40-140			
Naphthalene	2.58	0.333	mg/kg wet	3.333		78	40-140			
Nitrobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140			
N-Nitrosodimethylamine	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitroso-Di-n-Propylamine	2.85	0.333	mg/kg wet	3.333		86	40-140			
N-nitrosodiphenylamine	2.87	0.333	mg/kg wet	3.333		86	40-140			
Pentachlorophenol	2.60	1.67	mg/kg wet	3.333		78	30-130			
Phenanthrene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Phenol	2.94	0.333	mg/kg wet	3.333		88	30-130			
Pyrene	2.95	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.94	1.67	mg/kg wet	3.333		58	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.36*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.31*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2-Fluorophenol	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: Phenol-d6	*4.29*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.14*		mg/kg wet	*3.333*		*94*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.91	0.333	mg/kg wet	3.333		87	40-140	11	30	
1,2,4-Trichlorobenzene	2.97	0.333	mg/kg wet	3.333		89	40-140	11	30	
1,2-Dichlorobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140	4	30	
1,3-Dichlorobenzene	2.73	0.333	mg/kg wet	3.333		82	40-140	8	30	
1,4-Dichlorobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.82	1.67	mg/kg wet	3.333		85	30-130	10	30	
2,4,5-Trichlorophenol	3.42	0.333	mg/kg wet	3.333		103	30-130	10	30	
2,4,6-Trichlorophenol	3.14	0.333	mg/kg wet	3.333		94	30-130	9	30	
2,4-Dichlorophenol	3.05	0.333	mg/kg wet	3.333		91	30-130	6	30	
2,4-Dimethylphenol	3.01	0.333	mg/kg wet	3.333		90	30-130	7	30	
2,4-Dinitrophenol	2.15	1.67	mg/kg wet	3.333		64	30-130	10	30	
2,4-Dinitrotoluene	3.31	0.333	mg/kg wet	3.333		99	40-140	12	30	
2,6-Dinitrotoluene	3.08	0.333	mg/kg wet	3.333		93	40-140	8	30	
2-Chloronaphthalene	2.66	0.333	mg/kg wet	3.333		80	40-140	11	30	
2-Chlorophenol	2.74	0.333	mg/kg wet	3.333		82	30-130	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
2-Methylnaphthalene	2.90	0.333	mg/kg wet	3.333		87	40-140	7	30	
2-Methylphenol	2.82	0.333	mg/kg wet	3.333		85	30-130	0.2	30	
2-Nitroaniline	2.65	0.333	mg/kg wet	3.333		80	40-140	8	30	
2-Nitrophenol	3.00	0.333	mg/kg wet	3.333		90	30-130	9	30	
3,3´-Dichlorobenzidine	2.59	0.667	mg/kg wet	3.333		78	40-140	12	30	
3+4-Methylphenol	5.59	0.667	mg/kg wet	6.667		84	30-130	1	30	
3-Nitroaniline	2.97	0.333	mg/kg wet	3.333		89	40-140	9	30	
4,6-Dinitro-2-Methylphenol	2.72	1.67	mg/kg wet	3.333		82	30-130	18	30	
4-Bromophenyl-phenylether	2.97	0.333	mg/kg wet	3.333		89	40-140	7	30	
4-Chloro-3-Methylphenol	2.86	0.333	mg/kg wet	3.333		86	30-130	3	30	
4-Chloroaniline	2.82	0.667	mg/kg wet	3.333		84	40-140	6	30	
4-Chloro-phenyl-phenyl ether	3.12	0.333	mg/kg wet	3.333		94	40-140	10	30	
4-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	2	30	
4-Nitrophenol	2.67	1.67	mg/kg wet	3.333		80	30-130	15	30	
Acenaphthene	3.02	0.333	mg/kg wet	3.333		91	40-140	10	30	
Acenaphthylene	3.11	0.333	mg/kg wet	3.333		93	40-140	9	30	
Acetophenone	2.66	0.667	mg/kg wet	3.333		80	40-140	0.5	30	
Aniline	2.15	0.667	mg/kg wet	3.333		64	40-140	2	30	
Anthracene	3.15	0.333	mg/kg wet	3.333		95	40-140	10	30	
Azobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140	5	30	
Benzo(a)anthracene	3.21	0.333	mg/kg wet	3.333		96	40-140	12	30	
Benzo(a)pyrene	3.19	0.167	mg/kg wet	3.333		96	40-140	10	30	
Benzo(b)fluoranthene	3.50	0.333	mg/kg wet	3.333		105	40-140	18	30	
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		94	40-140	5	30	
Benzo(k)fluoranthene	3.16	0.333	mg/kg wet	3.333		95	40-140	4	30	
Benzoic Acid	2.37	1.67	mg/kg wet	3.333		71	40-140	5	30	
Benzyl Alcohol	1.94	0.333	mg/kg wet	3.333		58	40-140	2	30	
bis(2-Chloroethoxy)methane	2.79	0.333	mg/kg wet	3.333		84	40-140	9	30	
bis(2-Chloroethyl)ether	2.52	0.333	mg/kg wet	3.333		75	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.81	0.333	mg/kg wet	3.333		84	40-140	3	30	
bis(2-Ethylhexyl)phthalate	3.26	0.333	mg/kg wet	3.333		98	40-140	13	30	
Butylbenzylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140	13	30	
Carbazole	3.27	0.333	mg/kg wet	3.333		98	40-140	16	30	
Chrysene	2.96	0.167	mg/kg wet	3.333		89	40-140	7	30	
Dibenzo(a,h)Anthracene	3.28	0.167	mg/kg wet	3.333		98	40-140	7	30	
Dibenzofuran	2.94	0.333	mg/kg wet	3.333		88	40-140	9	30	
Diethylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	10	30	
Dimethylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140	9	30	
Di-n-butylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140	14	30	
Di-n-octylphthalate	3.68	0.333	mg/kg wet	3.333		110	40-140	19	30	
Fluoranthene	3.58	0.333	mg/kg wet	3.333		107	40-140	23	30	
Fluorene	3.13	0.333	mg/kg wet	3.333		94	40-140	10	30	
Hexachlorobenzene	3.14	0.167	mg/kg wet	3.333		94	40-140	8	30	
Hexachlorobutadiene	3.09	0.333	mg/kg wet	3.333		93	40-140	13	30	
Hexachlorocyclopentadiene	2.62	1.67	mg/kg wet	3.333		79	40-140	11	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI62112 - 3546										
Hexachloroethane	2.78	0.333	mg/kg wet	3.333		83	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	3.22	0.333	mg/kg wet	3.333		97	40-140	6	30	
Isophorone	2.99	0.333	mg/kg wet	3.333		90	40-140	7	30	
Naphthalene	2.81	0.333	mg/kg wet	3.333		84	40-140	8	30	
Nitrobenzene	2.73	0.333	mg/kg wet	3.333		82	40-140	8	30	
N-Nitrosodimethylamine	2.30	0.333	mg/kg wet	3.333		69	40-140	4	30	
N-Nitroso-Di-n-Propylamine	2.81	0.333	mg/kg wet	3.333		84	40-140	1	30	
N-nitrosodiphenylamine	3.05	0.333	mg/kg wet	3.333		92	40-140	6	30	
Pentachlorophenol	3.02	1.67	mg/kg wet	3.333		91	30-130	15	30	
Phenanthrene	2.98	0.333	mg/kg wet	3.333		89	40-140	10	30	
Phenol	2.94	0.333	mg/kg wet	3.333		88	30-130	0.03	30	
Pyrene	3.12	0.333	mg/kg wet	3.333		94	40-140	6	30	
Pyridine	2.06	1.67	mg/kg wet	3.333		62	40-140	6	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.79*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.51*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.27*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorophenol	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: Phenol-d6	*4.18*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.23*		mg/kg wet	*3.333*		*97*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1609469

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1609469

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1609469
Date Received: 9/21/2016
Project Due Date: 9/28/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	68835	Yes	NA	Yes	8 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Date & Time: 9/21/16 1602
Reviewed By: Date & Time: 9/21/16 1621
Delivered By: 9/21/16 1621

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1609469

Turn Time ____ (Standard) Other____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other____

Electonic Deliverables (Excel) Access (PDF)

Co. Name GZA

Project # 33554.90

Project Name 121 Terminal Rd LNG Access Road

Contact Person Meg Kilpatrick

Address 530 Broadway

City Providence

State Rhode Island

Zip 02909

PO #

Tel. (401)421-4140

Fax.

email: mkilpatrick@GZA.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	SVOC	On Hold								
1	9/21/16	14:03	C	S	Berm 2	6,1	4	AG,V	40oz.	X	X								

Analysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA: X

Cooler Temperature: 1.9° ICE 9/21/16

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Sampled by: Matthew Muto

Comments: N. Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
9/21/16 15:49	9/21/16 1549		

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1706385

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:24 pm, Jun 22, 2017

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

SAMPLE RECEIPT

The following samples were received on June 14, 2017 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1706385-01	SS-1	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-02	SS-2	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-03	SS-3	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-04	SS-4	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-05	SS-5	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-06	SS-6	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014
1706385-07	SS-7	Soil	§, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1706385

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

C7F0231-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
n-Propylbenzene (33% @ 30%)

CF71529-BS1 **Blank Spike recovery is below lower control limit (B-).**
n-Propylbenzene (59% @ 70-130%)

CF71529-BSD1 **Blank Spike recovery is below lower control limit (B-).**
n-Propylbenzene (61% @ 70-130%)

8270D Semi-Volatile Organic Compounds

C7F0274-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (42% @ 80-120%), 4,6-Dinitro-2-Methylphenol (55% @ 80-120%), Benzoic Acid (47% @ 80-120%)

C7F0274-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Methylphenol (26% @ 20%), 3+4-Methylphenol (27% @ 20%), Acetophenone (25% @ 20%), Benzo(b)fluoranthene (31% @ 20%), Benzo(g,h,i)perylene (37% @ 20%), bis(2-chloroisopropyl)Ether (21% @ 20%), Dibenzo(a,h)Anthracene (28% @ 20%), Hexachlorocyclopentadiene (23% @ 20%), Indeno(1,2,3-cd)Pyrene (22% @ 20%), p-Terphenyl-d14 (30% @ 20%), Pyrene (32% @ 20%)

C7F0274-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (58% @ 20%), 4,6-Dinitro-2-Methylphenol (45% @ 20%), Benzoic Acid (53% @ 20%), Pentachlorophenol (43% @ 20%)

C7F0297-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (97% @ 80-120%), Pentachlorophenol (96% @ 80-120%)

C7F0297-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Azobenzene (26% @ 20%), bis(2-Ethylhexyl)phthalate (21% @ 20%), Hexachlorocyclopentadiene (23% @ 20%)

C7F0297-CCV1 **Estimated value.**
Benzoic Acid (0% @ 80-120%)

C7F0297-CCV1 **This analyte is a poor performer for this method**
Benzoic Acid (0% @ 80-120%)

C7F0297-TUN1 **Pentachlorophenol tailing factor > 2.**

CF71413-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Benzoic Acid (39% @ 40-140%)

CF71413-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Hexachlorocyclopentadiene (43% @ 30%)

Total Metals

CF71546-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Barium (27% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.79** (2.46)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546
Barium	**88.7** (2.46)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546
Cadmium	ND (0.49)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546
Chromium	**9.28** (0.99)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546
Lead	**16.3** (4.93)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546
Mercury	ND (0.036)		7471B		1	MJV	06/16/17 11:35	0.56	40	CF71547
Selenium	ND (1.97)		6020A		20	NAR	06/16/17 17:03	2.09	100	CF71546
Silver	ND (0.49)		6010C		1	KJK	06/16/17 21:42	2.09	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1,4-Dioxane	ND (0.0736)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
1-Chlorohexane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
2-Butanone	ND (0.0368)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
2-Chlorotoluene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
2-Hexanone	ND (0.0368)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
4-Chlorotoluene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0368)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Acetone	ND (0.0368)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Benzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Bromobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Bromodichloromethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Bromoform	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Bromomethane	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Carbon Disulfide	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Chlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Chloroethane	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Chloroform	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Chloromethane	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Dibromochloromethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Dibromomethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Diethyl Ether	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Di-isopropyl ether	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Ethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Isopropylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Methylene Chloride	ND (0.0184)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Naphthalene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
n-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
n-Propylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
sec-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Styrene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
tert-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Tetrachloroethene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Tetrahydrofuran	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Trichloroethene	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Vinyl Acetate	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Vinyl Chloride	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Xylene O	ND (0.0037)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Xylene P,M	ND (0.0074)		8260B Low		1	06/15/17 18:55	C7F0231	CF71529
Xylenes (Total)	ND (0.0074)		8260B Low		1	06/15/17 18:55		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*100 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 20.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**92.7** (37.5)		8100M		1	06/16/17 3:09	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Chloronaphthalene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Chlorophenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Methylnaphthalene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Methylphenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Nitroaniline	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
2-Nitrophenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.687)		8270D		1	06/20/17 21:22	C7F0297	CF71413
3+4-Methylphenol	ND (0.687)		8270D		1	06/20/17 21:22	C7F0297	CF71413
3-Nitroaniline	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Chloroaniline	ND (0.687)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Nitroaniline	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
4-Nitrophenol	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Acenaphthene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Acenaphthylene	**0.358** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Acetophenone	ND (0.687)		8270D		1	06/20/17 21:22	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.687)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Anthracene	**0.508** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Azobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzo(a)anthracene	**1.94** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzo(a)pyrene	**1.45** (0.172)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzo(b)fluoranthene	**1.65** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzo(g,h,i)perylene	**1.09** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzo(k)fluoranthene	**0.827** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzoic Acid	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Benzyl Alcohol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Butylbenzylphthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Carbazole	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Chrysene	**1.60** (0.172)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Dibenzo(a,h)Anthracene	**0.477** (0.172)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Dibenzofuran	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Diethylphthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Dimethylphthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Di-n-butylphthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Di-n-octylphthalate	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Fluoranthene	**2.77** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Fluorene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Hexachlorobenzene	ND (0.172)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Hexachlorobutadiene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Hexachloroethane	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	**0.983** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Isophorone	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Naphthalene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Pentachlorophenol	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Phenanthrene	**1.71** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Phenol	ND (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Pyrene	**2.79** (0.343)		8270D		1	06/20/17 21:22	C7F0297	CF71413
Pyridine	ND (1.72)		8270D		1	06/20/17 21:22	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*50 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*58 %*		*30-130*
Surrogate: 2-Fluorophenol	*70 %*		*30-130*
Surrogate: Nitrobenzene-d5	*55 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-1
Date Sampled: 06/14/17 13:47
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**906** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	**1.04** (0.98)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.64** (2.08)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546
Barium	**21.4** (2.08)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546
Cadmium	ND (0.42)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546
Chromium	**9.21** (0.83)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546
Lead	**8.40** (4.16)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546
Mercury	ND (0.030)		7471B		1	MJV	06/16/17 11:37	0.69	40	CF71547
Selenium	ND (1.67)		6020A		20	NAR	06/16/17 17:08	2.47	100	CF71546
Silver	ND (0.42)		6010C		1	KJK	06/16/17 21:46	2.47	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1,4-Dioxane	ND (0.0605)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
1-Chlorohexane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
2-Butanone	ND (0.0303)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
2-Chlorotoluene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
2-Hexanone	ND (0.0303)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
4-Chlorotoluene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0303)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Acetone	ND (0.0303)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Benzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Bromobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Bromodichloromethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Bromoform	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Bromomethane	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Carbon Disulfide	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Chlorobenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Chloroethane	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Chloroform	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Chloromethane	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Dibromochloromethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Dibromomethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Diethyl Ether	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Di-isopropyl ether	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Ethylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Isopropylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Methylene Chloride	ND (0.0151)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Naphthalene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
n-Butylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
n-Propylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
sec-Butylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Styrene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
tert-Butylbenzene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Tetrachloroethene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Tetrahydrofuran	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Trichloroethene	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Vinyl Acetate	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Vinyl Chloride	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Xylene O	ND (0.0030)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Xylene P,M	ND (0.0061)		8260B Low		1	06/15/17 19:20	C7F0231	CF71529
Xylenes (Total)	ND (0.0061)		8260B Low		1	06/15/17 19:20		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.4)		8100M		1	06/16/17 3:46	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Chloronaphthalene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Chlorophenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Methylnaphthalene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Methylphenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Nitroaniline	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
2-Nitrophenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.710)		8270D		1	06/20/17 21:56	C7F0297	CF71413
3+4-Methylphenol	ND (0.710)		8270D		1	06/20/17 21:56	C7F0297	CF71413
3-Nitroaniline	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Chloroaniline	ND (0.710)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Nitroaniline	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
4-Nitrophenol	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Acenaphthene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Acenaphthylene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Acetophenone	ND (0.710)		8270D		1	06/20/17 21:56	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.710)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Anthracene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Azobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzo(a)anthracene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzo(a)pyrene	ND (0.178)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzo(b)fluoranthene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzo(g,h,i)perylene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzo(k)fluoranthene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzoic Acid	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Benzyl Alcohol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Butylbenzylphthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Carbazole	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Chrysene	ND (0.178)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Dibenzo(a,h)Anthracene	ND (0.178)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Dibenzofuran	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Diethylphthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Dimethylphthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Di-n-butylphthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Di-n-octylphthalate	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Fluoranthene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Fluorene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Hexachlorobenzene	ND (0.178)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Hexachlorobutadiene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Hexachloroethane	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Isophorone	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Naphthalene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Pentachlorophenol	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Phenanthrene	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Phenol	ND (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Pyrene	**0.360** (0.354)		8270D		1	06/20/17 21:56	C7F0297	CF71413
Pyridine	ND (1.78)		8270D		1	06/20/17 21:56	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*56 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*79 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*83 %*		*30-130*
Surrogate: p-Terphenyl-d14	*73 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-2
Date Sampled: 06/14/17 13:50
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**193** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	ND (0.99)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.20** (2.03)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546
Barium	**52.2** (2.03)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546
Cadmium	ND (0.41)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546
Chromium	**7.80** (0.81)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546
Lead	**9.50** (4.07)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546
Mercury	ND (0.031)		7471B		1	MJV	06/16/17 11:39	0.67	40	CF71547
Selenium	ND (1.63)		6020A		20	NAR	06/16/17 17:13	2.61	100	CF71546
Silver	ND (0.41)		6010C		1	KJK	06/16/17 21:50	2.61	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1,4-Dioxane	ND (0.0737)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
1-Chlorohexane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
2-Butanone	ND (0.0368)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
2-Chlorotoluene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
2-Hexanone	ND (0.0368)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
4-Chlorotoluene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0368)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Acetone	ND (0.0368)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Benzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Bromobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Bromodichloromethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Bromoform	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Bromomethane	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Carbon Disulfide	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Chlorobenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Chloroethane	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Chloroform	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Chloromethane	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Dibromochloromethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Dibromomethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Diethyl Ether	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Di-isopropyl ether	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Ethylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Isopropylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Methylene Chloride	ND (0.0184)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Naphthalene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
n-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
n-Propylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
sec-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Styrene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
tert-Butylbenzene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Tetrachloroethene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Tetrahydrofuran	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Trichloroethene	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Vinyl Acetate	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Vinyl Chloride	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Xylene O	ND (0.0037)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Xylene P,M	ND (0.0074)		8260B Low		1	06/15/17 19:45	C7F0231	CF71529
Xylenes (Total)	ND (0.0074)		8260B Low		1	06/15/17 19:45		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**114** (40.0)		8100M		1	06/16/17 4:22	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Chloronaphthalene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Chlorophenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Methylnaphthalene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Methylphenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Nitroaniline	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
2-Nitrophenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.722)		8270D		1	06/20/17 22:31	C7F0297	CF71413
3+4-Methylphenol	ND (0.722)		8270D		1	06/20/17 22:31	C7F0297	CF71413
3-Nitroaniline	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Chloroaniline	ND (0.722)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Nitroaniline	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
4-Nitrophenol	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Acenaphthene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Acenaphthylene	**0.470** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Acetophenone	ND (0.722)		8270D		1	06/20/17 22:31	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.722)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Anthracene	**0.620** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Azobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzo(a)anthracene	**1.85** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzo(a)pyrene	**1.41** (0.181)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzo(b)fluoranthene	**1.72** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzo(g,h,i)perylene	**1.06** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzo(k)fluoranthene	**0.625** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzoic Acid	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Benzyl Alcohol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Butylbenzylphthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Carbazole	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Chrysene	**1.54** (0.181)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Dibenzo(a,h)Anthracene	**0.477** (0.181)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Dibenzofuran	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Diethylphthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Dimethylphthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Di-n-butylphthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Di-n-octylphthalate	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Fluoranthene	**3.58** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Fluorene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Hexachlorobenzene	ND (0.181)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Hexachlorobutadiene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Hexachloroethane	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	**0.967** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Isophorone	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Naphthalene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Pentachlorophenol	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Phenanthrene	**1.99** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Phenol	ND (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Pyrene	**2.69** (0.361)		8270D		1	06/20/17 22:31	C7F0297	CF71413
Pyridine	ND (1.81)		8270D		1	06/20/17 22:31	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*51 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*83 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*55 %*		*30-130*
Surrogate: 2-Fluorophenol	*70 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: Phenol-d6	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*69 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-3
Date Sampled: 06/14/17 13:53
Percent Solids: 94

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**565** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	ND (1.01)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.91** (2.37)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546
Barium	**48.3** (2.37)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546
Cadmium	ND (0.47)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546
Chromium	**7.20** (0.95)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546
Lead	**7.51** (4.73)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546
Mercury	ND (0.031)		7471B		1	MJV	06/16/17 11:41	0.68	40	CF71547
Selenium	ND (1.89)		6020A		20	NAR	06/16/17 17:28	2.27	100	CF71546
Silver	ND (0.47)		6010C		1	KJK	06/16/17 21:54	2.27	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 6.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1,4-Dioxane	ND (0.0790)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
1-Chlorohexane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
2-Butanone	ND (0.0395)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
2-Chlorotoluene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
2-Hexanone	ND (0.0395)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
4-Chlorotoluene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0395)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Acetone	ND (0.0395)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Benzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Bromobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 6.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Bromodichloromethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Bromoform	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Bromomethane	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Carbon Disulfide	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Chlorobenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Chloroethane	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Chloroform	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Chloromethane	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Dibromochloromethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Dibromomethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Diethyl Ether	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Di-isopropyl ether	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Ethylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Isopropylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Methylene Chloride	ND (0.0198)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Naphthalene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
n-Butylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
n-Propylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
sec-Butylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Styrene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
tert-Butylbenzene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Tetrachloroethene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Tetrahydrofuran	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 6.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Trichloroethene	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Vinyl Acetate	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Vinyl Chloride	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Xylene O	ND (0.0040)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Xylene P,M	ND (0.0079)		8260B Low		1	06/15/17 20:10	C7F0231	CF71529
Xylenes (Total)	ND (0.0079)		8260B Low		1	06/15/17 20:10		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**88.2** (40.9)		8100M		1	06/16/17 4:58	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*85 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Chloronaphthalene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Chlorophenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Methylnaphthalene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Methylphenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
2-Nitrophenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.731)		8270D		1	06/20/17 23:06	C7F0297	CF71413
3+4-Methylphenol	ND (0.731)		8270D		1	06/20/17 23:06	C7F0297	CF71413
3-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Chloroaniline	ND (0.731)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
4-Nitrophenol	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Acenaphthene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Acenaphthylene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Acetophenone	ND (0.731)		8270D		1	06/20/17 23:06	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.731)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Anthracene	**0.468** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Azobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzo(a)anthracene	**1.72** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzo(a)pyrene	**1.34** (0.183)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzo(b)fluoranthene	**1.49** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzo(g,h,i)perylene	**1.20** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzo(k)fluoranthene	**0.822** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzoic Acid	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Benzyl Alcohol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	**0.603** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Butylbenzylphthalate	**0.438** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Carbazole	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Chrysene	**1.44** (0.183)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Dibenzo(a,h)Anthracene	**0.745** (0.183)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Dibenzofuran	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Diethylphthalate	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Dimethylphthalate	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Di-n-butylphthalate	**0.402** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Di-n-octylphthalate	**0.404** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Fluoranthene	**2.61** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Fluorene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Hexachlorobenzene	ND (0.183)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Hexachlorobutadiene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Hexachloroethane	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	**1.11** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Isophorone	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Naphthalene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Pentachlorophenol	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Phenanthrene	**1.42** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Phenol	ND (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Pyrene	**2.39** (0.365)		8270D		1	06/20/17 23:06	C7F0297	CF71413
Pyridine	ND (1.83)		8270D		1	06/20/17 23:06	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*51 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*58 %*		*30-130*
Surrogate: 2-Fluorophenol	*72 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-4
Date Sampled: 06/14/17 13:56
Percent Solids: 93

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**609** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	ND (1.03)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.04** (2.09)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546
Barium	**108** (2.09)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546
Cadmium	ND (0.42)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546
Chromium	**10.9** (0.84)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546
Lead	**12.8** (4.19)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546
Mercury	ND (0.026)		7471B		1	MJV	06/16/17 11:43	0.79	40	CF71547
Selenium	ND (1.68)		6020A		20	NAR	06/16/17 17:33	2.46	100	CF71546
Silver	ND (0.42)		6010C		1	KJK	06/16/17 22:10	2.46	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1,4-Dioxane	ND (0.0505)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
1-Chlorohexane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
2-Butanone	ND (0.0253)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
2-Chlorotoluene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
2-Hexanone	ND (0.0253)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
4-Chlorotoluene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0253)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Acetone	ND (0.0253)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Benzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Bromobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Bromodichloromethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Bromoform	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Bromomethane	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Carbon Disulfide	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Chlorobenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Chloroethane	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Chloroform	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Chloromethane	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Dibromochloromethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Dibromomethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Diethyl Ether	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Di-isopropyl ether	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Ethylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Isopropylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Methylene Chloride	ND (0.0126)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Naphthalene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
n-Butylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
n-Propylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
sec-Butylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Styrene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
tert-Butylbenzene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Tetrachloroethene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Tetrahydrofuran	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Trichloroethene	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Vinyl Acetate	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Vinyl Chloride	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Xylene O	ND (0.0025)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Xylene P,M	ND (0.0051)		8260B Low		1	06/15/17 20:35	C7F0231	CF71529
Xylenes (Total)	ND (0.0051)		8260B Low		1	06/15/17 20:35		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*100 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**118** (37.9)		8100M		1	06/16/17 5:34	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Chloronaphthalene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Chlorophenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Methylnaphthalene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Methylphenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
2-Nitrophenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.731)		8270D		1	06/20/17 23:41	C7F0297	CF71413
3+4-Methylphenol	ND (0.731)		8270D		1	06/20/17 23:41	C7F0297	CF71413
3-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Chloroaniline	ND (0.731)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Nitroaniline	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
4-Nitrophenol	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Acenaphthene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Acenaphthylene	**0.398** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Acetophenone	ND (0.731)		8270D		1	06/20/17 23:41	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.731)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Anthracene	**0.455** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Azobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzo(a)anthracene	**1.70** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzo(a)pyrene	**1.30** (0.183)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzo(b)fluoranthene	**1.39** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzo(g,h,i)perylene	**0.988** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzo(k)fluoranthene	**0.799** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzoic Acid	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Benzyl Alcohol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Butylbenzylphthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Carbazole	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Chrysene	**1.40** (0.183)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Dibenzo(a,h)Anthracene	**0.444** (0.183)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Dibenzofuran	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Diethylphthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Dimethylphthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Di-n-butylphthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Di-n-octylphthalate	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Fluoranthene	**2.92** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Fluorene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Hexachlorobenzene	ND (0.183)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Hexachlorobutadiene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Hexachloroethane	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	**0.896** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Isophorone	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Naphthalene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Pentachlorophenol	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Phenanthrene	**1.28** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Phenol	ND (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Pyrene	**2.31** (0.365)		8270D		1	06/20/17 23:41	C7F0297	CF71413
Pyridine	ND (1.83)		8270D		1	06/20/17 23:41	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*54 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*81 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*60 %*		*30-130*
Surrogate: 2-Fluorophenol	*76 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: Phenol-d6	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*64 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-5
Date Sampled: 06/14/17 13:59
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-05
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**814** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	ND (1.02)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.55** (2.79)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546
Barium	**27.5** (2.79)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546
Cadmium	ND (0.56)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546
Chromium	**8.45** (1.12)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546
Lead	**14.4** (5.58)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546
Mercury	ND (0.028)		7471B		1	MJV	06/16/17 11:45	0.8	40	CF71547
Selenium	ND (2.23)		6020A		20	NAR	06/16/17 17:38	2.03	100	CF71546
Silver	ND (0.56)		6010C		1	KJK	06/16/17 22:14	2.03	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1,4-Dioxane	ND (0.0765)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
1-Chlorohexane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
2-Butanone	ND (0.0383)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
2-Chlorotoluene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
2-Hexanone	ND (0.0383)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
4-Chlorotoluene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0383)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Acetone	ND (0.0383)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Benzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Bromobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Bromodichloromethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Bromoform	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Bromomethane	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Carbon Disulfide	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Chlorobenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Chloroethane	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Chloroform	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Chloromethane	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Dibromochloromethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Dibromomethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Diethyl Ether	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Di-isopropyl ether	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Ethylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Isopropylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Methylene Chloride	ND (0.0191)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Naphthalene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
n-Butylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
n-Propylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
sec-Butylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Styrene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
tert-Butylbenzene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Tetrachloroethene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Tetrahydrofuran	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Trichloroethene	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Vinyl Acetate	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Vinyl Chloride	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Xylene O	ND (0.0038)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Xylene P,M	ND (0.0077)		8260B Low		1	06/15/17 21:00	C7F0231	CF71529
Xylenes (Total)	ND (0.0077)		8260B Low		1	06/15/17 21:00		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 19.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**73.8** (44.0)		8100M		1	06/16/17 6:10	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Chloronaphthalene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Chlorophenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Methylnaphthalene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Methylphenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Nitroaniline	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
2-Nitrophenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.792)		8270D		1	06/21/17 0:16	C7F0297	CF71413
3+4-Methylphenol	ND (0.792)		8270D		1	06/21/17 0:16	C7F0297	CF71413
3-Nitroaniline	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Chloroaniline	ND (0.792)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Nitroaniline	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
4-Nitrophenol	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Acenaphthene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Acenaphthylene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Acetophenone	ND (0.792)		8270D		1	06/21/17 0:16	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.792)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Anthracene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Azobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzo(a)anthracene	**0.597** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzo(a)pyrene	**0.470** (0.198)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzo(b)fluoranthene	**0.562** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzo(g,h,i)perylene	**0.403** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzo(k)fluoranthene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzoic Acid	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Benzyl Alcohol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Butylbenzylphthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Carbazole	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Chrysene	**0.576** (0.198)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Dibenzo(a,h)Anthracene	ND (0.198)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Dibenzofuran	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Diethylphthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Dimethylphthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Di-n-butylphthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Di-n-octylphthalate	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Fluoranthene	**0.963** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Fluorene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Hexachlorobenzene	ND (0.198)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Hexachlorobutadiene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Hexachloroethane	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Isophorone	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Naphthalene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Pentachlorophenol	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Phenanthrene	**0.727** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Phenol	ND (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Pyrene	**0.975** (0.396)		8270D		1	06/21/17 0:16	C7F0297	CF71413
Pyridine	ND (1.98)		8270D		1	06/21/17 0:16	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: Phenol-d6	*85 %*		*30-130*
Surrogate: p-Terphenyl-d14	*81 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-6
Date Sampled: 06/14/17 14:02
Percent Solids: 88

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-06
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**805** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	**10.6** (1.04)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.52** (2.00)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546
Barium	**42.2** (2.00)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546
Cadmium	ND (0.40)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546
Chromium	**7.60** (0.80)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546
Lead	**14.5** (4.00)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546
Mercury	ND (0.040)		7471B		1	MJV	06/16/17 11:47	0.51	40	CF71547
Selenium	ND (1.60)		6020A		20	NAR	06/16/17 17:43	2.59	100	CF71546
Silver	ND (0.40)		6010C		1	KJK	06/16/17 22:18	2.59	100	CF71546

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1,1-Trichloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1,2,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1,2-Trichloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1-Dichloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1-Dichloroethene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,1-Dichloropropene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2,3-Trichlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2,3-Trichloropropane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2,4-Trichlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2,4-Trimethylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2-Dibromo-3-Chloropropane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2-Dibromoethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2-Dichlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2-Dichloroethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,2-Dichloropropane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,3,5-Trimethylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,3-Dichlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,3-Dichloropropane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,4-Dichlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1,4-Dioxane	ND (0.0488)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
1-Chlorohexane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
2,2-Dichloropropane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
2-Butanone	ND (0.0244)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
2-Chlorotoluene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
2-Hexanone	ND (0.0244)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
4-Chlorotoluene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
4-Isopropyltoluene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
4-Methyl-2-Pentanone	ND (0.0244)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Acetone	ND (0.0244)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Benzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Bromobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Bromodichloromethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Bromoform	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Bromomethane	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Carbon Disulfide	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Carbon Tetrachloride	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Chlorobenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Chloroethane	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Chloroform	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Chloromethane	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
cis-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
cis-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Dibromochloromethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Dibromomethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Dichlorodifluoromethane	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Diethyl Ether	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Di-isopropyl ether	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Ethyl tertiary-butyl ether	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Ethylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Hexachlorobutadiene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Isopropylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Methyl tert-Butyl Ether	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Methylene Chloride	ND (0.0122)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Naphthalene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
n-Butylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
n-Propylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
sec-Butylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Styrene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
tert-Butylbenzene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Tertiary-amyl methyl ether	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Tetrachloroethene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Tetrahydrofuran	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
trans-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
trans-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Trichloroethene	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Trichlorofluoromethane	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Vinyl Acetate	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Vinyl Chloride	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Xylene O	ND (0.0024)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Xylene P,M	ND (0.0049)		8260B Low		1	06/15/17 21:25	C7F0231	CF71529
Xylenes (Total)	ND (0.0049)		8260B Low		1	06/15/17 21:25		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: DPS
Prepared: 6/15/17 10:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**93.0** (40.0)		8100M		1	06/16/17 6:46	C7F0242	CF71412

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*91 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
1,2,4-Trichlorobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
1,2-Dichlorobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
1,3-Dichlorobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
1,4-Dichlorobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,3,4,6-Tetrachlorophenol	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4,5-Trichlorophenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4,6-Trichlorophenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4-Dichlorophenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4-Dimethylphenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4-Dinitrophenol	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,4-Dinitrotoluene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2,6-Dinitrotoluene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Chloronaphthalene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Chlorophenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Methylnaphthalene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Methylphenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Nitroaniline	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
2-Nitrophenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
3,3´-Dichlorobenzidine	ND (0.729)		8270D		1	06/21/17 0:51	C7F0297	CF71413
3+4-Methylphenol	ND (0.729)		8270D		1	06/21/17 0:51	C7F0297	CF71413
3-Nitroaniline	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4,6-Dinitro-2-Methylphenol	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Bromophenyl-phenylether	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Chloro-3-Methylphenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Chloroaniline	ND (0.729)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Chloro-phenyl-phenyl ether	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Nitroaniline	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
4-Nitrophenol	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Acenaphthene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Acenaphthylene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Acetophenone	ND (0.729)		8270D		1	06/21/17 0:51	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.729)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Anthracene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Azobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzo(a)anthracene	**0.987** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzo(a)pyrene	**0.770** (0.183)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzo(b)fluoranthene	**0.820** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzo(g,h,i)perylene	**0.634** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzo(k)fluoranthene	**0.506** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzoic Acid	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Benzyl Alcohol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
bis(2-Chloroethoxy)methane	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
bis(2-Chloroethyl)ether	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
bis(2-chloroisopropyl)Ether	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
bis(2-Ethylhexyl)phthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Butylbenzylphthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Carbazole	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Chrysene	**0.812** (0.183)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Dibenzo(a,h)Anthracene	**0.276** (0.183)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Dibenzofuran	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Diethylphthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Dimethylphthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Di-n-butylphthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Di-n-octylphthalate	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Fluoranthene	**1.61** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Fluorene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Hexachlorobenzene	ND (0.183)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Hexachlorobutadiene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Hexachlorocyclopentadiene	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Hexachloroethane	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Indeno(1,2,3-cd)Pyrene	**0.566** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Isophorone	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Naphthalene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/15/17 10:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
N-Nitrosodimethylamine	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
N-Nitroso-Di-n-Propylamine	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
N-nitrosodiphenylamine	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Pentachlorophenol	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Phenanthrene	**0.700** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Phenol	ND (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Pyrene	**1.34** (0.364)		8270D		1	06/21/17 0:51	C7F0297	CF71413
Pyridine	ND (1.83)		8270D		1	06/21/17 0:51	C7F0297	CF71413

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*51 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*81 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*60 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*59 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: SS-7
Date Sampled: 06/14/17 14:05
Percent Solids: 97

ESS Laboratory Work Order: 1706385
ESS Laboratory Sample ID: 1706385-07
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**681** (100)		§		1	SUB	06/14/17 0:00	§	CF72220
Total Cyanide	ND (1.03)		9014		1	EEM	06/19/17 11:40	mg/kg dry	CF71919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF71546 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	2.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	111	7.58	mg/kg wet	123.0		90	80-120			
Barium	252	7.58	mg/kg wet	253.0		99	66-134			
Cadmium	184	1.52	mg/kg wet	224.0		82	80-120			
Chromium	168	3.03	mg/kg wet	179.0		94	80-120			
Lead	131	15.2	mg/kg wet	145.0		90	80-120			
Selenium	43.6	15.2	mg/kg wet	42.40		103	80-120			
Silver	72.3	1.52	mg/kg wet	81.60		89	80-120			
LCS Dup										
Arsenic	119	8.33	mg/kg wet	123.0		97	80-120	7	20	
Barium	192	8.33	mg/kg wet	253.0		76	66-134	27	20	D+
Cadmium	193	1.67	mg/kg wet	224.0		86	80-120	5	20	
Chromium	176	3.33	mg/kg wet	179.0		98	80-120	5	20	
Lead	138	16.7	mg/kg wet	145.0		95	80-120	5	20	
Selenium	44.0	16.7	mg/kg wet	42.40		104	80-120	0.8	30	
Silver	75.9	1.67	mg/kg wet	81.60		93	80-120	5	20	
Batch CF71547 - 7471B										
LCS										
Mercury	13.8	1.90	mg/kg wet	12.30		112	80-120			
LCS Dup										
Mercury	13.5	1.90	mg/kg wet	12.30		109	80-120	2	20	
Reference										
Mercury	0.949	0.165	mg/kg wet	1000		0.09	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF71529 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF71529 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF71529 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0464*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0471*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
1,1,1-Trichloroethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,2,2-Tetrachloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2-Trichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,1-Dichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,1-Dichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloropropene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,2,4-Trichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,4-Trimethylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dibromo-3-Chloropropane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
1,2-Dibromoethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
1,2-Dichloroethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloropropane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,3,5-Trimethylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,3-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichloropropane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CF71529 - 5035										
1,4-Dichlorobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	0.836	0.100	mg/kg wet	1.000		84	70-130			
1-Chlorohexane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
2,2-Dichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
2-Butanone	0.242	0.0500	mg/kg wet	0.2500		97	70-130			
2-Chlorotoluene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.260	0.0500	mg/kg wet	0.2500		104	70-130			
4-Chlorotoluene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
4-Isopropyltoluene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.246	0.0500	mg/kg wet	0.2500		99	70-130			
Acetone	0.241	0.0500	mg/kg wet	0.2500		96	70-130			
Benzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Bromochloromethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Bromodichloromethane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Bromoform	0.0402	0.0050	mg/kg wet	0.05000		80	70-130			
Bromomethane	0.0456	0.0100	mg/kg wet	0.05000		91	70-130			
Carbon Disulfide	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Chlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
Chloroethane	0.0477	0.0100	mg/kg wet	0.05000		95	70-130			
Chloroform	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Chloromethane	0.0470	0.0100	mg/kg wet	0.05000		94	70-130			
cis-1,2-Dichloroethene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Dibromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Dibromomethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
Dichlorodifluoromethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130			
Diethyl Ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Di-isopropyl ether	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Ethyl tertiary-butyl ether	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
Ethylbenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Hexachlorobutadiene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Isopropylbenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Methyl tert-Butyl Ether	0.0417	0.0050	mg/kg wet	0.05000		83	70-130			
Methylene Chloride	0.0470	0.0250	mg/kg wet	0.05000		94	70-130			
Naphthalene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
n-Butylbenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
n-Propylbenzene	0.0297	0.0050	mg/kg wet	0.05000		59	70-130			B-
sec-Butylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Styrene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
tert-Butylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Tertiary-amyl methyl ether	0.0386	0.0050	mg/kg wet	0.05000		77	70-130			
Tetrachloroethene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrahydrofuran	0.0392	0.0050	mg/kg wet	0.05000		78	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF71529 - 5035										
Toluene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
trans-1,2-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
trans-1,3-Dichloropropene	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Trichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Trichlorofluoromethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
Vinyl Acetate	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
Vinyl Chloride	0.0489	0.0100	mg/kg wet	0.05000		98	70-130			
Xylene O	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
Xylene P,M	0.0941	0.0100	mg/kg wet	0.1000		94	70-130			
Xylenes (Total)	0.141	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0482*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	6	25	
1,1,1-Trichloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,1,2-Trichloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,1-Dichloroethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,1-Dichloroethene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
1,1-Dichloropropene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	0.8	25	
1,2,3-Trichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,2,3-Trichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
1,2,4-Trichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	0.2	25	
1,2,4-Trimethylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	0.5	25	
1,2-Dibromoethane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
1,2-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
1,2-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
1,2-Dichloropropane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
1,3,5-Trimethylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
1,3-Dichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,3-Dichloropropane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,4-Dichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,4-Dioxane	0.899	0.100	mg/kg wet	1.000		90	70-130	7	20	
1-Chlorohexane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
2,2-Dichloropropane	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	0.7	25	
2-Butanone	0.248	0.0500	mg/kg wet	0.2500		99	70-130	2	25	
2-Chlorotoluene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
2-Hexanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	0.7	25	
4-Chlorotoluene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
4-Isopropyltoluene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
4-Methyl-2-Pentanone	0.251	0.0500	mg/kg wet	0.2500		101	70-130	2	25	
Acetone	0.240	0.0500	mg/kg wet	0.2500		96	70-130	0.2	25	

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CF71529 - 5035										
Benzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Bromochloromethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Bromodichloromethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
Bromoform	0.0426	0.0050	mg/kg wet	0.05000		85	70-130	6	25	
Bromomethane	0.0465	0.0100	mg/kg wet	0.05000		93	70-130	2	25	
Carbon Disulfide	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Carbon Tetrachloride	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
Chlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
Chloroethane	0.0491	0.0100	mg/kg wet	0.05000		98	70-130	3	25	
Chloroform	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Chloromethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130	3	25	
cis-1,2-Dichloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
cis-1,3-Dichloropropene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
Dibromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Dibromomethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Dichlorodifluoromethane	0.0480	0.0100	mg/kg wet	0.05000		96	70-130	0.4	25	
Diethyl Ether	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	7	25	
Di-isopropyl ether	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Ethyl tertiary-butyl ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130	6	25	
Ethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
Hexachlorobutadiene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
Isopropylbenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Methyl tert-Butyl Ether	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	5	25	
Methylene Chloride	0.0492	0.0250	mg/kg wet	0.05000		98	70-130	5	25	
Naphthalene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	7	25	
n-Butylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.9	25	
n-Propylbenzene	0.0307	0.0050	mg/kg wet	0.05000		61	70-130	3	25	B-
sec-Butylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Styrene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
tert-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Tertiary-amyl methyl ether	0.0411	0.0050	mg/kg wet	0.05000		82	70-130	6	25	
Tetrachloroethene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
Tetrahydrofuran	0.0409	0.0050	mg/kg wet	0.05000		82	70-130	4	25	
Toluene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
trans-1,2-Dichloroethene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
trans-1,3-Dichloropropene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Trichloroethene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Trichlorofluoromethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
Vinyl Acetate	0.0451	0.0050	mg/kg wet	0.05000		90	70-130	4	25	
Vinyl Chloride	0.0492	0.0100	mg/kg wet	0.05000		98	70-130	0.7	25	
Xylene O	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Xylene P,M	0.0992	0.0100	mg/kg wet	0.1000		99	70-130	5	25	
Xylenes (Total)	0.149	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0521*		mg/kg wet	*0.05000*		*104*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF71529 - 5035										
Surrogate: 4-Bromofluorobenzene	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CF71412 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.51*		mg/kg wet	*5.000*		*90*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Total Petroleum Hydrocarbons	28.6	37.5	mg/kg wet	35.00		82	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Surrogate: O-Terphenyl	*4.72*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140	1	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		94	40-140	3	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		82	40-140	0.2	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CF71412 - 3546										
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		98	40-140	1	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140	1	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		90	40-140	2	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		94	40-140	3	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.1	25	
Total Petroleum Hydrocarbons	29.0	37.5	mg/kg wet	35.00		83	40-140	1	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Surrogate: O-Terphenyl	*4.72*		mg/kg wet	*5.000*		*94*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CF71413 - 3546										
Blank										
1,1-Biphenyl	ND	0.167	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.167	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF71413 - 3546										
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.167	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.167	mg/kg wet							
Benzo(k)fluoranthene	ND	0.167	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.083	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.083	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.167	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.167	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.667	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF71413 - 3546										
Surrogate: 1,2-Dichlorobenzene-d4	*1.58*		mg/kg wet	*3.333*		*47*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*1.85*		mg/kg wet	*5.000*		*37*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.09*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.56*		mg/kg wet	*3.333*		*47*	*30-130*			
Surrogate: 2-Fluorophenol	*2.86*		mg/kg wet	*5.000*		*57*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.66*		mg/kg wet	*3.333*		*50*	*30-130*			
Surrogate: Phenol-d6	*3.21*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
LCS										
1,1-Biphenyl	2.39	0.333	mg/kg wet	3.333		72	40-140			
1,2,4-Trichlorobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140			
1,2-Dichlorobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140			
1,3-Dichlorobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140			
1,4-Dichlorobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140			
2,3,4,6-Tetrachlorophenol	2.27	1.67	mg/kg wet	3.333		68	30-130			
2,4,5-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4,6-Trichlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.73	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dinitrophenol	1.62	1.67	mg/kg wet	3.333		49	30-130			
2,4-Dinitrotoluene	2.47	0.333	mg/kg wet	3.333		74	40-140			
2,6-Dinitrotoluene	2.47	0.333	mg/kg wet	3.333		74	40-140			
2-Chloronaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140			
2-Methylphenol	2.86	0.333	mg/kg wet	3.333		86	30-130			
2-Nitroaniline	1.95	0.333	mg/kg wet	3.333		58	40-140			
2-Nitrophenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
3,3´-Dichlorobenzidine	2.00	0.667	mg/kg wet	3.333		60	40-140			
3+4-Methylphenol	5.56	0.667	mg/kg wet	6.667		83	30-130			
3-Nitroaniline	2.20	0.333	mg/kg wet	3.333		66	40-140			
4,6-Dinitro-2-Methylphenol	1.88	1.67	mg/kg wet	3.333		56	30-130			
4-Bromophenyl-phenylether	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Chloro-3-Methylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130			
4-Chloroaniline	1.85	0.667	mg/kg wet	3.333		56	40-140			
4-Chloro-phenyl-phenyl ether	2.49	0.333	mg/kg wet	3.333		75	40-140			
4-Nitroaniline	2.10	0.333	mg/kg wet	3.333		63	40-140			
4-Nitrophenol	2.09	1.67	mg/kg wet	3.333		63	30-130			
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Acenaphthylene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Acetophenone	2.78	0.667	mg/kg wet	3.333		83	40-140			
Aniline	2.12	0.667	mg/kg wet	3.333		64	40-140			
Anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Benzo(a)anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

8270D Semi-Volatile Organic Compounds

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CF71413 - 3546										
Benzo(a)pyrene	2.81	0.167	mg/kg wet	3.333		84	40-140			
Benzo(b)fluoranthene	3.11	0.333	mg/kg wet	3.333		93	40-140			
Benzo(g,h,i)perylene	3.36	0.333	mg/kg wet	3.333		101	40-140			
Benzo(k)fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Benzoic Acid	1.37	1.67	mg/kg wet	3.333		41	40-140			
Benzyl Alcohol	2.33	0.333	mg/kg wet	3.333		70	40-140			
bis(2-Chloroethoxy)methane	2.49	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Chloroethyl)ether	2.42	0.333	mg/kg wet	3.333		73	40-140			
bis(2-chloroisopropyl)Ether	2.54	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Ethylhexyl)phthalate	2.70	0.333	mg/kg wet	3.333		81	40-140			
Butylbenzylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Carbazole	2.56	0.333	mg/kg wet	3.333		77	40-140			
Chrysene	2.53	0.167	mg/kg wet	3.333		76	40-140			
Dibenzo(a,h)Anthracene	3.21	0.167	mg/kg wet	3.333		96	40-140			
Dibenzofuran	2.44	0.333	mg/kg wet	3.333		73	40-140			
Diethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140			
Dimethylphthalate	2.49	0.333	mg/kg wet	3.333		75	40-140			
Di-n-butylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Di-n-octylphthalate	2.97	0.333	mg/kg wet	3.333		89	40-140			
Fluoranthene	2.55	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.63	0.167	mg/kg wet	3.333		79	40-140			
Hexachlorobutadiene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Hexachlorocyclopentadiene	2.06	1.67	mg/kg wet	3.333		62	40-140			
Hexachloroethane	2.49	0.333	mg/kg wet	3.333		75	40-140			
Indeno(1,2,3-cd)Pyrene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Isophorone	2.42	0.333	mg/kg wet	3.333		73	40-140			
Naphthalene	2.42	0.333	mg/kg wet	3.333		73	40-140			
Nitrobenzene	2.55	0.333	mg/kg wet	3.333		76	40-140			
N-Nitrosodimethylamine	2.15	0.333	mg/kg wet	3.333		65	40-140			
N-Nitroso-Di-n-Propylamine	2.26	0.333	mg/kg wet	3.333		68	40-140			
N-nitrosodiphenylamine	2.87	0.333	mg/kg wet	3.333		86	40-140			
Pentachlorophenol	2.05	1.67	mg/kg wet	3.333		62	30-130			
Phenanthrene	2.49	0.333	mg/kg wet	3.333		75	40-140			
Phenol	2.47	0.333	mg/kg wet	3.333		74	30-130			
Pyrene	3.27	0.333	mg/kg wet	3.333		98	40-140			
Pyridine	1.34	1.67	mg/kg wet	3.333		40	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.00*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.05*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2-Fluorophenol	*3.55*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.09*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: Phenol-d6	*4.01*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.53*		mg/kg wet	*3.333*		*76*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF71413 - 3546										
LCS Dup										
1,1-Biphenyl	2.06	0.333	mg/kg wet	3.333		62	40-140	15	30	
1,2,4-Trichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	12	30	
1,2-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	10	30	
1,3-Dichlorobenzene	2.15	0.333	mg/kg wet	3.333		65	40-140	9	30	
1,4-Dichlorobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	9	30	
2,3,4,6-Tetrachlorophenol	2.19	1.67	mg/kg wet	3.333		66	30-130	3	30	
2,4,5-Trichlorophenol	2.28	0.333	mg/kg wet	3.333		68	30-130	12	30	
2,4,6-Trichlorophenol	2.23	0.333	mg/kg wet	3.333		67	30-130	13	30	
2,4-Dichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130	10	30	
2,4-Dimethylphenol	2.52	0.333	mg/kg wet	3.333		75	30-130	8	30	
2,4-Dinitrophenol	1.48	1.67	mg/kg wet	3.333		44	30-130	9	30	
2,4-Dinitrotoluene	2.48	0.333	mg/kg wet	3.333		74	40-140	0.6	30	
2,6-Dinitrotoluene	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
2-Chloronaphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140	15	30	
2-Chlorophenol	2.16	0.333	mg/kg wet	3.333		65	30-130	15	30	
2-Methylnaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140	5	30	
2-Methylphenol	2.51	0.333	mg/kg wet	3.333		75	30-130	13	30	
2-Nitroaniline	1.85	0.333	mg/kg wet	3.333		55	40-140	5	30	
2-Nitrophenol	1.88	0.333	mg/kg wet	3.333		56	30-130	16	30	
3,3´-Dichlorobenzidine	1.87	0.667	mg/kg wet	3.333		56	40-140	7	30	
3+4-Methylphenol	5.06	0.667	mg/kg wet	6.667		76	30-130	9	30	
3-Nitroaniline	2.14	0.333	mg/kg wet	3.333		64	40-140	3	30	
4,6-Dinitro-2-Methylphenol	1.78	1.67	mg/kg wet	3.333		54	30-130	5	30	
4-Bromophenyl-phenylether	2.40	0.333	mg/kg wet	3.333		72	40-140	9	30	
4-Chloro-3-Methylphenol	2.79	0.333	mg/kg wet	3.333		84	30-130	4	30	
4-Chloroaniline	1.80	0.667	mg/kg wet	3.333		54	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.39	0.333	mg/kg wet	3.333		72	40-140	4	30	
4-Nitroaniline	1.99	0.333	mg/kg wet	3.333		60	40-140	5	30	
4-Nitrophenol	2.10	1.67	mg/kg wet	3.333		63	30-130	0.3	30	
Acenaphthene	2.30	0.333	mg/kg wet	3.333		69	40-140	9	30	
Acenaphthylene	2.37	0.333	mg/kg wet	3.333		71	40-140	10	30	
Acetophenone	2.48	0.667	mg/kg wet	3.333		75	40-140	11	30	
Aniline	1.56	0.667	mg/kg wet	3.333		47	40-140	30	30	
Anthracene	2.55	0.333	mg/kg wet	3.333		76	40-140	6	30	
Azobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140	10	30	
Benzo(a)anthracene	2.71	0.333	mg/kg wet	3.333		81	40-140	5	30	
Benzo(a)pyrene	2.70	0.167	mg/kg wet	3.333		81	40-140	4	30	
Benzo(b)fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140	7	30	
Benzo(g,h,i)perylene	3.36	0.333	mg/kg wet	3.333		101	40-140	0.01	30	
Benzo(k)fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140	6	30	
Benzoic Acid	1.31	1.67	mg/kg wet	3.333		39	40-140	4	30	B-
Benzyl Alcohol	2.21	0.333	mg/kg wet	3.333		66	40-140	6	30	
bis(2-Chloroethoxy)methane	2.24	0.333	mg/kg wet	3.333		67	40-140	11	30	
bis(2-Chloroethyl)ether	2.13	0.333	mg/kg wet	3.333		64	40-140	13	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF71413 - 3546										
bis(2-chloroisopropyl)Ether	2.24	0.333	mg/kg wet	3.333		67	40-140	13	30	
bis(2-Ethylhexyl)phthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	4	30	
Butylbenzylphthalate	2.55	0.333	mg/kg wet	3.333		77	40-140	5	30	
Carbazole	2.52	0.333	mg/kg wet	3.333		75	40-140	2	30	
Chrysene	2.40	0.167	mg/kg wet	3.333		72	40-140	5	30	
Dibenzo(a,h)Anthracene	3.02	0.167	mg/kg wet	3.333		91	40-140	6	30	
Dibenzofuran	2.28	0.333	mg/kg wet	3.333		69	40-140	7	30	
Diethylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140	0.3	30	
Dimethylphthalate	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Di-n-butylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140	0.08	30	
Di-n-octylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	6	30	
Fluoranthene	2.58	0.333	mg/kg wet	3.333		78	40-140	1	30	
Fluorene	2.57	0.333	mg/kg wet	3.333		77	40-140	3	30	
Hexachlorobenzene	2.46	0.167	mg/kg wet	3.333		74	40-140	7	30	
Hexachlorobutadiene	2.30	0.333	mg/kg wet	3.333		69	40-140	13	30	
Hexachlorocyclopentadiene	1.33	1.67	mg/kg wet	3.333		40	40-140	43	30	D+
Hexachloroethane	2.29	0.333	mg/kg wet	3.333		69	40-140	8	30	
Indeno(1,2,3-cd)Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140	3	30	
Isophorone	2.28	0.333	mg/kg wet	3.333		69	40-140	6	30	
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	11	30	
Nitrobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	12	30	
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		55	40-140	17	30	
N-Nitroso-Di-n-Propylamine	2.32	0.333	mg/kg wet	3.333		70	40-140	3	30	
N-nitrosodiphenylamine	2.62	0.333	mg/kg wet	3.333		79	40-140	9	30	
Pentachlorophenol	1.96	1.67	mg/kg wet	3.333		59	30-130	5	30	
Phenanthrene	2.36	0.333	mg/kg wet	3.333		71	40-140	5	30	
Phenol	2.19	0.333	mg/kg wet	3.333		66	30-130	12	30	
Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140	8	30	
Pyridine	1.32	1.67	mg/kg wet	3.333		40	40-140	1	30	
Surrogate: 1,2-Dichlorobenzene-d4	*1.71*		mg/kg wet	*3.333*		*51*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.45*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*3.333*		*52*	*30-130*			
Surrogate: 2-Fluorophenol	*3.05*		mg/kg wet	*5.000*		*61*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.86*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: Phenol-d6	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.32*		mg/kg wet	*3.333*		*70*	*30-130*			
Classical Chemistry										
Batch CF71919 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.93	1.00	mg/kg wet	5.015		98	90-110			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CF71919 - TCN Prep										
Reference										
Total Cyanide	50.9	4.97	mg/kg wet	48.40		105	36.1577-206.612			
Reference										
Total Cyanide	49.5	4.95	mg/kg wet	48.40		102	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
ESS Laboratory Work Order: 1706385

Notes and Definitions

V	Estimated value.
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
PT	Pentachlorophenol tailing factor > 2.
PP-	This analyte is a poor performer for this method
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1706385

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date June 22, 2017

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 60287..60293

***Results reported on 'dry basis'.**

Blank = <0.05ppm

LCS Lo Check 0.100 = 0.097ppm

ICV 1.00 = 1.03ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

6/22/2017

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
60287	17-06385-01	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	906	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60288	17-06385-02	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	193	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60289	17-06385-03	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	565	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60290	17-06385-04	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	609	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60291	17-06385-05	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	814	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60292	17-06385-06	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	805	mg/kg	100.00	SW 846 6010	06/21/17	dfp

Sample	Description	Source	Taken/Time	Received
60293	17-06385-07	ESS Laboratory	6/14/17	6/16/17

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	681	mg/kg	100.00	SW 846 6010	06/21/17	dfp

ESS Laboratory **Sterling**

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1706385

Turn Time **Standard** Other_____

Reporting Limits - **RDEC**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 1706385	
Contact Person: Shawn Morrell	Address:		
City:	State:	Zip:	PO #: B02409
Tel.:	email: smorrell@thielsch.com		

Analysis

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Total Sulfur 6010
	6/14/17	1347	C	S	1706385-01	1	1			X
	6/14/17	1350	C	S	1706385-02	1	1			X
	6/14/17	1353	C	S	1706385-03	1	1			X
	6/14/17	1356	C	S	1706385-04	1	1			X
	6/14/17	1359	C	S	1706385-05	1	1			X
	6/14/17	1402	C	S	1706385-06	1	1			X
	6/14/17	1405	C	S	1706385-07	1	1			X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA:___

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
6/16/17 14:51	6-16-17 1451hrs		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 1706385
Date Received: 6/14/2017
Project Due Date: 6/21/2017
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.2 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs: 1706385-[illegible]-7 [illegible] 6/14/17
    Analysis: Sulfer
    TAT: 5D
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOA vials frozen: Date: 6/14/17 Time: 1754 By: KL

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	140845	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	140852	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
01	140859	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
01	140872	Yes	NA	Yes	VOA Vial - Other	Other	
01	140873	Yes	NA	Yes	VOA Vial - Other	Other	
01	140880	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	140844	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	140851	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	140858	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	140870	Yes	NA	Yes	VOA Vial - Other	Other	
02	140871	Yes	NA	Yes	VOA Vial - Other	Other	
02	140879	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	140843	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
03	140850	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	140857	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
03	140868	Yes	NA	Yes	VOA Vial - Other	Other	
03	140869	Yes	NA	Yes	VOA Vial - Other	Other	
03	140878	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	140842	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
04	140849	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	140856	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
04	140866	Yes	NA	Yes	VOA Vial - Other	Other	
04	140867	Yes	NA	Yes	VOA Vial - Other	Other	
04	140877	Yes	NA	Yes	VOA Vial - Methanol	MeOH	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

ESS Project ID: 1706385

Date Received: 6/14/2017

05	140841	Yes	NA	Yes	8 oz. Jar - Unpres	NP
05	140848	Yes	NA	Yes	4 oz. Jar - Unpres	NP
05	140855	Yes	NA	Yes	2 oz. Jar - Unpres	NP
05	140864	Yes	NA	Yes	VOA Vial - Other	Other
05	140865	Yes	NA	Yes	VOA Vial - Other	Other
05	140876	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	140840	Yes	NA	Yes	8 oz. Jar - Unpres	NP
06	140847	Yes	NA	Yes	4 oz. Jar - Unpres	NP
06	140854	Yes	NA	Yes	2 oz. Jar - Unpres	NP
06	140862	Yes	NA	Yes	VOA Vial - Other	Other
06	140863	Yes	NA	Yes	VOA Vial - Other	Other
06	140875	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	140839	Yes	NA	Yes	8 oz. Jar - Unpres	NP
07	140846	Yes	NA	Yes	4 oz. Jar - Unpres	NP
07	140853	Yes	NA	Yes	2 oz. Jar - Unpres	NP
07	140860	Yes	NA	Yes	VOA Vial - Other	Other
07	140861	Yes	NA	Yes	VOA Vial - Other	Other
07	140874	Yes	NA	Yes	VOA Vial - Methanol	MeOH

2nd Review

Are barcode labels on correct containers? Yes / No

Completed By: _____ Date & Time: 6/14/17 1739

Reviewed By: _____ Date & Time: 6/14/17 1754

Delivered By: _____ 6/14/17 1754

ESS Laboratory

Division of Thielsch Engineering, Inc.
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CHAIN OF CUSTODY

ESS Lab # 1706385

Turn Time: 5-Day* Rush
Regulatory State: Rhode Island
Is this project for any of the following?: ○CT RCP ○MA MCP ○RGP
Reporting Limits: RDEC
Electonic Deliverables: ☑Limit Checker ☑Standard Excel ☐Other (Please Specify →)

Company Name	Project #	Project Name
GZA	33554.90	121 Terminal Rd. Access Road

Contact Person	Address
Meg Kilpatrick	530 Broadway

City	State	Zip Code	PO #
Providence	Rhode Island	02909	

Telephone Number	FAX Number	Email Address
401-421-4140		mkilpatrick@GZA.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 Metals	Sulfur 6010	Cyanide 9010
1	6/14/17	13:47	Composite	Soil	SS-1	X	X	X	X	X	X
2	6/14/17	13:50	Composite	Soil	SS-2	X	X	X	X	X	X
3	6/14/17	13:53	Composite	Soil	SS-3	X	X	X	X	X	X
4	6/14/17	13:56	Composite	Soil	SS-4	X	X	X	X	X	X
5	6/14/17	13:59	Composite	Soil	SS-5	X	X	X	X	X	X
6	6/14/17	14:02	Composite	Soil	SS-6	X	X	X	X	X	X
7	6/14/17	14:05	Composite	Soil	SS-7	X	X	X	X	X	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer G - Glass O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*
Number of Containers per Sample:

Laboratory Use Only
Cooler Present: Yes
Seals Intact: N/A
Cooler Temperature: 5-2 °C

Sampled by: Matthew Muto + Mark Dalpe

Comments: Please specify "Other" preservative and containers types in this space
N.Grid rates apply
*HARD 5 DAY NEEDED (hdm 061617)
matthew.muto@GZA.com

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
Matthew Muto 16:34 6/14/17	6/14/17 1635		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

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185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1706385

Turn Time: 5-Day Rush
Regulatory State: Rhode Island
Is this project for any of the following?: ○CT RCP ○MA MCP ○RGP

Reporting Limits: RDEC
Electonic Deliverables: ☑Limit Checker ☑Standard Excel ☐Other (Please Specify →)

Company Name	Project #	Project Name
GZA	33554.90	121 Terminal Rd. Access Road

Contact Person	Address
Meg Kilpatrick	530 Broadway

City	State	Zip Code	PO #
Providence	Rhode Island	02909	

Telephone Number	FAX Number	Email Address
401-421-4140		mkilpatrick@GZA.com

Analysis: TPH 8100, VOC 8260, SVOC 8270, RCRA 8 Metals, Sulfur 6010, Cyanide 9010

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH 8100	VOC 8260	SVOC 8270	RCRA 8 Metals	Sulfur 6010	Cyanide 9010
1	6/14/17	13:47	Composite	Soil	SS-1	X	X	X	X	X	X
2	6/14/17	13:50	Composite	Soil	SS-2	X	X	X	X	X	X
3	6/14/17	13:53	Composite	Soil	SS-3	X	X	X	X	X	X
4	6/14/17	13:56	Composite	Soil	SS-4	X	X	X	X	X	X
5	6/14/17	13:59	Composite	Soil	SS-5	X	X	X	X	X	X
6	6/14/17	14:02	Composite	Soil	SS-6	X	X	X	X	X	X
7	6/14/17	14:05	Composite	Soil	SS-7	X	X	X	X	X	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer G - Glass O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*
Number of Containers per Sample:

Laboratory Use Only
Cooler Present: Yes
Seals Intact: N/A
Cooler Temperature: 5-2 °C

Sampled by: Matthew Muto + Mark Dalpe

Comments: N.Grid rates apply

Please specify "Other" preservative and containers types in this space

matthew.muto@GZA.com

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
Matthew Muto 16:34 6/14/17	6/14/17 1635		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Meg Kilpatrick
GZA GeoEnvironmental, Inc.
530 Broadway
Providence, RI 02909

RE: 121 Terminal Rd. LNG (03.0033554.90)
ESS Laboratory Work Order Number: 1612256

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 10:26 am, Dec 16, 2016

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state tandards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur Content

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

SAMPLE RECEIPT

The following samples were received on December 08, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on December 8, 2016 at 17:00.

Lab Number	Sample Name	Matrix	Analysis
1612256-01	Access Road Soil Stockpile	Soil	§, 1311, 1311/6010C, 6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

CZL0147-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (102% @ 80-120%), 4,6-Dinitro-2-Methylphenol (101% @ 80-120%), Benzoic Acid (102% @ 80-120%)

CZL0147-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
Benzoic Acid

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.32** (2.50)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916
Barium	**19.9** (2.50)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916
Cadmium	ND (0.50)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916
Chromium	**5.44** (1.00)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916
Lead	**32.6** (5.00)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916
Mercury	ND (0.034)		7471B		1	BJV	12/12/16 11:53	0.62	40	CL60917
Selenium	**0.56** (0.50)		6020A		20	NAR	12/12/16 15:03	2.15	100	CL60916
Silver	ND (0.50)		6010C		1	KJK	12/11/16 2:27	2.15	100	CL60916

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/L

Extraction Method: 3005A TCLP

1311 TCLP Metals

Analyte	Results (MRL)	MDL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Lead	**0.081** (0.050)		1311/6010C		1	NAR	12/12/16 17:13	50	50	CL61208

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1,4-Dioxane	ND (0.0746)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
1-Chlorohexane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
2-Butanone	ND (0.0373)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
2-Chlorotoluene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
2-Hexanone	ND (0.0373)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
4-Chlorotoluene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
4-Methyl-2-Pentanone	ND (0.0373)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Acetone	ND (0.0373)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Benzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Bromobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Bromodichloromethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Bromoform	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Bromomethane	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Carbon Disulfide	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Chlorobenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Chloroethane	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Chloroform	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Chloromethane	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Dibromochloromethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Dibromomethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Diethyl Ether	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Di-isopropyl ether	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Ethylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Isopropylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Methylene Chloride	ND (0.0187)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Naphthalene	**0.0496** (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
n-Butylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
n-Propylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
sec-Butylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Styrene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
tert-Butylbenzene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Tetrachloroethene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Tetrahydrofuran	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 7.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Trichloroethene	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Vinyl Acetate	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Vinyl Chloride	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Xylene O	ND (0.0037)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Xylene P,M	ND (0.0075)		8260B Low		1	12/09/16 19:01	CZL0112	CL60824
Xylenes (Total)	ND (0.0075)		8260B Low		1	12/09/16 19:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 19.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 12/9/16 9:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**293** (41.8)		8100M		1	12/10/16 1:00	CZL0130	CL60815

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*99 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 12/9/16 12:10

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
1,2,4-Trichlorobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
1,2-Dichlorobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
1,3-Dichlorobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
1,4-Dichlorobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,3,4,6-Tetrachlorophenol	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4,5-Trichlorophenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4,6-Trichlorophenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4-Dichlorophenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4-Dimethylphenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4-Dinitrophenol	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,4-Dinitrotoluene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2,6-Dinitrotoluene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Chloronaphthalene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Chlorophenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Methylnaphthalene	**0.721** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Methylphenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Nitroaniline	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
2-Nitrophenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
3,3´-Dichlorobenzidine	ND (0.747)		8270D		1	12/09/16 21:10	CZL0147	CL60914
3+4-Methylphenol	ND (0.747)		8270D		1	12/09/16 21:10	CZL0147	CL60914
3-Nitroaniline	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4,6-Dinitro-2-Methylphenol	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Bromophenyl-phenylether	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Chloro-3-Methylphenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Chloroaniline	ND (0.747)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Chloro-phenyl-phenyl ether	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Nitroaniline	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
4-Nitrophenol	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Acenaphthene	**0.565** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Acenaphthylene	**1.10** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Acetophenone	ND (0.747)		8270D		1	12/09/16 21:10	CZL0147	CL60914

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 12/9/16 12:10

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.747)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Anthracene	**1.80** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Azobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzo(a)anthracene	**2.91** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzo(a)pyrene	**2.14** (0.187)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzo(b)fluoranthene	**2.53** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzo(g,h,i)perylene	**1.42** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzo(k)fluoranthene	**0.782** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzoic Acid	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Benzyl Alcohol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
bis(2-Chloroethoxy)methane	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
bis(2-Chloroethyl)ether	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
bis(2-chloroisopropyl)Ether	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
bis(2-Ethylhexyl)phthalate	**0.888** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Butylbenzylphthalate	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Carbazole	**0.433** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Chrysene	**2.30** (0.187)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Dibenzo(a,h)Anthracene	**0.583** (0.187)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Dibenzofuran	**0.475** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Diethylphthalate	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Dimethylphthalate	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Di-n-butylphthalate	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Di-n-octylphthalate	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Fluoranthene	**6.63** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Fluorene	**1.09** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Hexachlorobenzene	ND (0.187)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Hexachlorobutadiene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Hexachlorocyclopentadiene	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Hexachloroethane	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Indeno(1,2,3-cd)Pyrene	**1.20** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Isophorone	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Naphthalene	**0.750** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 12/9/16 12:10

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
N-Nitrosodimethylamine	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
N-Nitroso-Di-n-Propylamine	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
N-nitrosodiphenylamine	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Pentachlorophenol	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Phenanthrene	**6.48** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Phenol	ND (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Pyrene	**5.59** (0.373)		8270D		1	12/09/16 21:10	CZL0147	CL60914
Pyridine	ND (1.87)		8270D		1	12/09/16 21:10	CZL0147	CL60914

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*60 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*63 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*61 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: Phenol-d6	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur, Total, WT PCT	**See Attached** (N/A)								
Total Cyanide	**1.92** (1.07)		9014		1	EEM	12/12/16 11:00	mg/kg dry	CL61233

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG
Client Sample ID: Access Road Soil Stockpile
Date Sampled: 12/08/16 10:18
Percent Solids: 93
Initial Volume: 100
Final Volume: 2000
Extraction Method: 1311

ESS Laboratory Work Order: 1612256
ESS Laboratory Sample ID: 1612256-01
Sample Matrix: Soil
Units: °C
Analyst: KJK
Prepared: 12/9/16 17:10

TCLP Extraction by 1311

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Batch
Temperature (Min C)	**19.6** (N/A)		1311		1	KJK	12/10/16 9:50	CL60907
Temperature (Max C)	**22.8** (N/A)		1311		1	KJK	12/10/16 9:50	CL60907
Temperature (Range)	**Temperature is not within 23 +/-2 ºC.** (N/A)							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CL60916 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	152	9.62	mg/kg wet	161.0		95	80-120			
Barium	386	9.62	mg/kg wet	351.0		110	80-120			
Cadmium	156	1.92	mg/kg wet	190.0		82	80-120			
Chromium	80.7	3.85	mg/kg wet	87.90		92	80-120			
Lead	130	19.2	mg/kg wet	138.0		94	80-120			
Selenium	306	24.0	mg/kg wet	305.0		100	80-120			
Silver	50.5	1.92	mg/kg wet	58.00		87	80-120			
LCS Dup										
Arsenic	165	9.62	mg/kg wet	161.0		102	80-120	8	20	
Barium	385	9.62	mg/kg wet	351.0		110	80-120	0.4	20	
Cadmium	171	1.92	mg/kg wet	190.0		90	80-120	9	20	
Chromium	90.0	3.85	mg/kg wet	87.90		102	80-120	11	20	
Lead	142	19.2	mg/kg wet	138.0		103	80-120	9	20	
Selenium	327	24.0	mg/kg wet	305.0		107	80-120	7	30	
Silver	56.7	1.92	mg/kg wet	58.00		98	80-120	12	20	
Batch CL60917 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	18.6	1.90	mg/kg wet	15.90		117	80-120			
LCS Dup										
Mercury	18.2	1.83	mg/kg wet	15.90		114	80-120	2	20	
1311 TCLP Metals										
Batch CL61208 - 3005A_TCLP										
Blank										
Lead	ND	0.050	mg/L							
LCS										
Lead	0.507	0.050	mg/L	0.5000		101	80-120			
LCS Dup										
Lead	0.572	0.050	mg/L	0.5000		114	80-120	12	20	
5035/8260B Volatile Organic Compounds / Low Level										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CL60824 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CL60824 - 5035										
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0465*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0485*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0468*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
1,1,1-Trichloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2-Trichloroethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
1,1-Dichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
1,1-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,3-Trichlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,2,3-Trichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,4-Trichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CL60824 - 5035										
1,2,4-Trimethylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dibromo-3-Chloropropane	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
1,2-Dibromoethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dichloroethane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,3,5-Trimethylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	0.804	0.100	mg/kg wet	1.000		80	70-130			
1-Chlorohexane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
2,2-Dichloropropane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
2-Butanone	0.234	0.0500	mg/kg wet	0.2500		94	70-130			
2-Chlorotoluene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
2-Hexanone	0.231	0.0500	mg/kg wet	0.2500		92	70-130			
4-Chlorotoluene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
4-Isopropyltoluene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.216	0.0500	mg/kg wet	0.2500		86	70-130			
Acetone	0.222	0.0500	mg/kg wet	0.2500		89	70-130			
Benzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Bromochloromethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Bromodichloromethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Bromoform	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Bromomethane	0.0609	0.0100	mg/kg wet	0.05000		122	70-130			
Carbon Disulfide	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Carbon Tetrachloride	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Chlorobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Chloroethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130			
Chloroform	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Chloromethane	0.0522	0.0100	mg/kg wet	0.05000		104	70-130			
cis-1,2-Dichloroethene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
cis-1,3-Dichloropropene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Dibromochloromethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromomethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Dichlorodifluoromethane	0.0434	0.0100	mg/kg wet	0.05000		87	70-130			
Diethyl Ether	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Di-isopropyl ether	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Ethyl tertiary-butyl ether	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Ethylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Hexachlorobutadiene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Isopropylbenzene	0.0434	0.0050	mg/kg wet	0.05000		87	70-130			
Methyl tert-Butyl Ether	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Methylene Chloride	0.0495	0.0250	mg/kg wet	0.05000		99	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CL60824 - 5035										
Naphthalene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
n-Butylbenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
n-Propylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
sec-Butylbenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Styrene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
tert-Butylbenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Tertiary-amyl methyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Tetrachloroethene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Tetrahydrofuran	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Toluene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
trans-1,2-Dichloroethene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
trans-1,3-Dichloropropene	0.0425	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Trichlorofluoromethane	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Vinyl Acetate	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
Vinyl Chloride	0.0532	0.0100	mg/kg wet	0.05000		106	70-130			
Xylene O	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Xylene P,M	0.0992	0.0100	mg/kg wet	0.1000		99	70-130			
Xylenes (Total)	0.149	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
1,1,1-Trichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
1,1,2-Trichloroethane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
1,1-Dichloroethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
1,1-Dichloroethene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,1-Dichloropropene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
1,2,3-Trichlorobenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
1,2,3-Trichloropropane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2,4-Trichlorobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	7	25	
1,2,4-Trimethylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.9	25	
1,2-Dibromo-3-Chloropropane	0.0463	0.0050	mg/kg wet	0.05000		93	70-130	3	25	
1,2-Dibromoethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
1,2-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichloroethane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
1,2-Dichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
1,3,5-Trimethylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.2	25	
1,3-Dichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
1,3-Dichloropropane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,4-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,4-Dioxane	0.858	0.100	mg/kg wet	1.000		86	70-130	7	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CL60824 - 5035										
1-Chlorohexane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	0.7	25	
2,2-Dichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
2-Butanone	0.249	0.0500	mg/kg wet	0.2500		100	70-130	6	25	
2-Chlorotoluene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
2-Hexanone	0.241	0.0500	mg/kg wet	0.2500		96	70-130	4	25	
4-Chlorotoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	0.6	25	
4-Isopropyltoluene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	0.08	25	
4-Methyl-2-Pentanone	0.230	0.0500	mg/kg wet	0.2500		92	70-130	7	25	
Acetone	0.234	0.0500	mg/kg wet	0.2500		94	70-130	5	25	
Benzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Bromobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
Bromochloromethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
Bromodichloromethane	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
Bromoform	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	4	25	
Bromomethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130	22	25	
Carbon Disulfide	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
Carbon Tetrachloride	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
Chlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
Chloroethane	0.0495	0.0100	mg/kg wet	0.05000		99	70-130	2	25	
Chloroform	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Chloromethane	0.0543	0.0100	mg/kg wet	0.05000		109	70-130	4	25	
cis-1,2-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
cis-1,3-Dichloropropene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Dibromochloromethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Dibromomethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
Dichlorodifluoromethane	0.0439	0.0100	mg/kg wet	0.05000		88	70-130	1	25	
Diethyl Ether	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Di-isopropyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
Ethyl tertiary-butyl ether	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	7	25	
Ethylbenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Hexachlorobutadiene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	0.9	25	
Isopropylbenzene	0.0428	0.0050	mg/kg wet	0.05000		86	70-130	1	25	
Methyl tert-Butyl Ether	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	7	25	
Methylene Chloride	0.0519	0.0250	mg/kg wet	0.05000		104	70-130	5	25	
Naphthalene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	15	25	
n-Butylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
n-Propylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
sec-Butylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	0.6	25	
Styrene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
tert-Butylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	0.8	25	
Tertiary-amyl methyl ether	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
Tetrachloroethene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	0.08	25	
Tetrahydrofuran	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
Toluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
trans-1,2-Dichloroethene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CL60824 - 5035										
trans-1,3-Dichloropropene	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	7	25	
Trichloroethene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Trichlorofluoromethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	1	25	
Vinyl Acetate	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	7	25	
Vinyl Chloride	0.0537	0.0100	mg/kg wet	0.05000		107	70-130	1	25	
Xylene O	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Xylene P,M	0.101	0.0100	mg/kg wet	0.1000		101	70-130	2	25	
Xylenes (Total)	0.152	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0525*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CL60815 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		73	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CL60815 - 3546										
Total Petroleum Hydrocarbons	30.4	37.5	mg/kg wet	35.00		87	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*4.81*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		78	40-140	6	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		82	40-140	4	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140	4	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	4	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		91	40-140	3	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		70	30-140	6	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140	3	25	
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140	3	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140	4	25	
Total Petroleum Hydrocarbons	31.5	37.5	mg/kg wet	35.00		90	40-140	4	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		96	40-140	3	25	
Surrogate: O-Terphenyl	*4.86*		mg/kg wet	*5.000*		*97*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.15*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.69*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.24*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2-Fluorophenol	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.39*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.67*		mg/kg wet	*3.333*		*110*	*30-130*			
LCS										
1,1-Biphenyl	2.15	0.333	mg/kg wet	3.333		65	40-140			
1,2,4-Trichlorobenzene	1.98	0.333	mg/kg wet	3.333		60	40-140			
1,2-Dichlorobenzene	1.94	0.333	mg/kg wet	3.333		58	40-140			
1,3-Dichlorobenzene	1.95	0.333	mg/kg wet	3.333		58	40-140			
1,4-Dichlorobenzene	1.90	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.41	1.67	mg/kg wet	3.333		72	30-130			
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dichlorophenol	2.36	0.333	mg/kg wet	3.333		71	30-130			
2,4-Dimethylphenol	2.25	0.333	mg/kg wet	3.333		68	30-130			
2,4-Dinitrophenol	2.31	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.41	0.333	mg/kg wet	3.333		72	40-140			
2,6-Dinitrotoluene	2.40	0.333	mg/kg wet	3.333		72	40-140			
2-Chloronaphthalene	1.93	0.333	mg/kg wet	3.333		58	40-140			
2-Chlorophenol	2.05	0.333	mg/kg wet	3.333		61	30-130			
2-Methylnaphthalene	2.00	0.333	mg/kg wet	3.333		60	40-140			
2-Methylphenol	2.15	0.333	mg/kg wet	3.333		65	30-130			
2-Nitroaniline	2.25	0.333	mg/kg wet	3.333		67	40-140			
2-Nitrophenol	2.06	0.333	mg/kg wet	3.333		62	30-130			
3,3´-Dichlorobenzidine	1.98	0.667	mg/kg wet	3.333		59	40-140			
3+4-Methylphenol	4.32	0.667	mg/kg wet	6.667		65	30-130			
3-Nitroaniline	2.69	0.333	mg/kg wet	3.333		81	40-140			
4,6-Dinitro-2-Methylphenol	2.90	1.67	mg/kg wet	3.333		87	30-130			
4-Bromophenyl-phenylether	2.65	0.333	mg/kg wet	3.333		80	40-140			
4-Chloro-3-Methylphenol	2.47	0.333	mg/kg wet	3.333		74	30-130			
4-Chloroaniline	2.01	0.667	mg/kg wet	3.333		60	40-140			
4-Chloro-phenyl-phenyl ether	2.31	0.333	mg/kg wet	3.333		69	40-140			
4-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
4-Nitrophenol	2.24	1.67	mg/kg wet	3.333		67	30-130			
Acenaphthene	2.19	0.333	mg/kg wet	3.333		66	40-140			
Acenaphthylene	2.12	0.333	mg/kg wet	3.333		63	40-140			
Acetophenone	2.13	0.667	mg/kg wet	3.333		64	40-140			
Aniline	1.78	0.667	mg/kg wet	3.333		53	40-140			
Anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Benzo(a)anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Benzo(b)fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140			
Benzo(g,h,i)perylene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	2.45	1.67	mg/kg wet	3.333		73	40-140			
Benzyl Alcohol	1.99	0.333	mg/kg wet	3.333		60	40-140			
bis(2-Chloroethoxy)methane	2.09	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Chloroethyl)ether	1.95	0.333	mg/kg wet	3.333		59	40-140			
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Ethylhexyl)phthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Butylbenzylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140			
Carbazole	2.75	0.333	mg/kg wet	3.333		82	40-140			
Chrysene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	3.05	0.167	mg/kg wet	3.333		91	40-140			
Dibenzofuran	2.21	0.333	mg/kg wet	3.333		66	40-140			
Diethylphthalate	2.49	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.39	0.333	mg/kg wet	3.333		72	40-140			
Di-n-butylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Di-n-octylphthalate	2.61	0.333	mg/kg wet	3.333		78	40-140			
Fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Fluorene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorobenzene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobutadiene	1.96	0.333	mg/kg wet	3.333		59	40-140			
Hexachlorocyclopentadiene	2.12	1.67	mg/kg wet	3.333		64	40-140			
Hexachloroethane	1.98	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	2.07	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140			
Nitrobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140			
N-Nitrosodimethylamine	1.91	0.333	mg/kg wet	3.333		57	40-140			
N-Nitroso-Di-n-Propylamine	2.28	0.333	mg/kg wet	3.333		69	40-140			
N-nitrosodiphenylamine	2.76	0.333	mg/kg wet	3.333		83	40-140			
Pentachlorophenol	2.93	1.67	mg/kg wet	3.333		88	30-130			
Phenanthrene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Phenol	2.18	0.333	mg/kg wet	3.333		66	30-130			
Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Pyridine	1.64	1.67	mg/kg wet	3.333		49	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
Surrogate: 1,2-Dichlorobenzene-d4	*2.11*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2-Fluorophenol	*3.14*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: Phenol-d6	*3.39*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.12	0.333	mg/kg wet	3.333		64	40-140	1	30	
1,2,4-Trichlorobenzene	2.13	0.333	mg/kg wet	3.333		64	40-140	7	30	
1,2-Dichlorobenzene	2.01	0.333	mg/kg wet	3.333		60	40-140	4	30	
1,3-Dichlorobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140	4	30	
1,4-Dichlorobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140	5	30	
2,3,4,6-Tetrachlorophenol	2.36	1.67	mg/kg wet	3.333		71	30-130	2	30	
2,4,5-Trichlorophenol	2.58	0.333	mg/kg wet	3.333		77	30-130	3	30	
2,4,6-Trichlorophenol	2.43	0.333	mg/kg wet	3.333		73	30-130	4	30	
2,4-Dichlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	5	30	
2,4-Dimethylphenol	2.18	0.333	mg/kg wet	3.333		65	30-130	3	30	
2,4-Dinitrophenol	2.28	1.67	mg/kg wet	3.333		68	30-130	1	30	
2,4-Dinitrotoluene	2.35	0.333	mg/kg wet	3.333		71	40-140	2	30	
2,6-Dinitrotoluene	2.38	0.333	mg/kg wet	3.333		71	40-140	0.7	30	
2-Chloronaphthalene	1.92	0.333	mg/kg wet	3.333		58	40-140	0.4	30	
2-Chlorophenol	2.04	0.333	mg/kg wet	3.333		61	30-130	0.2	30	
2-Methylnaphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140	1	30	
2-Methylphenol	2.04	0.333	mg/kg wet	3.333		61	30-130	5	30	
2-Nitroaniline	2.21	0.333	mg/kg wet	3.333		66	40-140	2	30	
2-Nitrophenol	2.16	0.333	mg/kg wet	3.333		65	30-130	5	30	
3,3´-Dichlorobenzidine	2.16	0.667	mg/kg wet	3.333		65	40-140	9	30	
3+4-Methylphenol	3.94	0.667	mg/kg wet	6.667		59	30-130	9	30	
3-Nitroaniline	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.68	1.67	mg/kg wet	3.333		80	30-130	8	30	
4-Bromophenyl-phenylether	2.47	0.333	mg/kg wet	3.333		74	40-140	7	30	
4-Chloro-3-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	6	30	
4-Chloroaniline	2.07	0.667	mg/kg wet	3.333		62	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.29	0.333	mg/kg wet	3.333		69	40-140	0.8	30	
4-Nitroaniline	2.68	0.333	mg/kg wet	3.333		80	40-140	7	30	
4-Nitrophenol	2.20	1.67	mg/kg wet	3.333		66	30-130	2	30	
Acenaphthene	2.17	0.333	mg/kg wet	3.333		65	40-140	1	30	
Acenaphthylene	2.11	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
Acetophenone	2.04	0.667	mg/kg wet	3.333		61	40-140	4	30	
Aniline	1.89	0.667	mg/kg wet	3.333		57	40-140	6	30	
Anthracene	2.48	0.333	mg/kg wet	3.333		74	40-140	9	30	
Azobenzene	2.42	0.333	mg/kg wet	3.333		73	40-140	7	30	
Benzo(a)anthracene	2.56	0.333	mg/kg wet	3.333		77	40-140	10	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CL60914 - 3546										
Benzo(a)pyrene	2.67	0.167	mg/kg wet	3.333		80	40-140	9	30	
Benzo(b)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140	7	30	
Benzo(g,h,i)perylene	2.70	0.333	mg/kg wet	3.333		81	40-140	12	30	
Benzo(k)fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140	6	30	
Benzoic Acid	2.31	1.67	mg/kg wet	3.333		69	40-140	6	30	
Benzyl Alcohol	1.94	0.333	mg/kg wet	3.333		58	40-140	2	30	
bis(2-Chloroethoxy)methane	2.12	0.333	mg/kg wet	3.333		64	40-140	1	30	
bis(2-Chloroethyl)ether	1.98	0.333	mg/kg wet	3.333		59	40-140	1	30	
bis(2-chloroisopropyl)Ether	2.09	0.333	mg/kg wet	3.333		63	40-140	3	30	
bis(2-Ethylhexyl)phthalate	2.21	0.333	mg/kg wet	3.333		66	40-140	22	30	
Butylbenzylphthalate	2.28	0.333	mg/kg wet	3.333		68	40-140	25	30	
Carbazole	2.41	0.333	mg/kg wet	3.333		72	40-140	13	30	
Chrysene	2.55	0.167	mg/kg wet	3.333		76	40-140	9	30	
Dibenzo(a,h)Anthracene	2.68	0.167	mg/kg wet	3.333		81	40-140	13	30	
Dibenzofuran	2.20	0.333	mg/kg wet	3.333		66	40-140	0.2	30	
Diethylphthalate	2.41	0.333	mg/kg wet	3.333		72	40-140	3	30	
Dimethylphthalate	2.35	0.333	mg/kg wet	3.333		70	40-140	2	30	
Di-n-butylphthalate	2.33	0.333	mg/kg wet	3.333		70	40-140	14	30	
Di-n-octylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140	10	30	
Fluoranthene	2.35	0.333	mg/kg wet	3.333		70	40-140	21	30	
Fluorene	2.36	0.333	mg/kg wet	3.333		71	40-140	0.08	30	
Hexachlorobenzene	2.51	0.167	mg/kg wet	3.333		75	40-140	7	30	
Hexachlorobutadiene	2.17	0.333	mg/kg wet	3.333		65	40-140	10	30	
Hexachlorocyclopentadiene	2.22	1.67	mg/kg wet	3.333		67	40-140	5	30	
Hexachloroethane	2.08	0.333	mg/kg wet	3.333		62	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.68	0.333	mg/kg wet	3.333		80	40-140	13	30	
Isophorone	2.02	0.333	mg/kg wet	3.333		61	40-140	2	30	
Naphthalene	2.07	0.333	mg/kg wet	3.333		62	40-140	4	30	
Nitrobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140	4	30	
N-Nitrosodimethylamine	1.96	0.333	mg/kg wet	3.333		59	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.15	0.333	mg/kg wet	3.333		64	40-140	6	30	
N-nitrosodiphenylamine	2.54	0.333	mg/kg wet	3.333		76	40-140	8	30	
Pentachlorophenol	2.65	1.67	mg/kg wet	3.333		80	30-130	10	30	
Phenanthrene	2.41	0.333	mg/kg wet	3.333		72	40-140	8	30	
Phenol	2.11	0.333	mg/kg wet	3.333		63	30-130	3	30	
Pyrene	2.43	0.333	mg/kg wet	3.333		73	40-140	18	30	
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140	5	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.10*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.21*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2-Fluorophenol	*3.11*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.14*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.41*		mg/kg wet	*3.333*		*72*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch CL61233 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.10	1.00	mg/kg wet	5.015		102	90-110			
Reference										
Total Cyanide	49.7	4.95	mg/kg wet	48.40		103	36.1577-206.612			
Reference										
Total Cyanide	49.3	4.96	mg/kg wet	48.40		102	36.1577-206.612			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

Notes and Definitions

Z18	Temperature is not within 23 +/-2 ºC.
Z-08	See Attached
U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D	Diluted.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 121 Terminal Rd. LNG

ESS Laboratory Work Order: 1612256

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date December 15, 2016

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 58240

****Results reported on 'dry basis'.**

Blank = <0.05ppm

LCS Lo Check 0.100 = 0.097ppm

CCV 1.00 = 0.938ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

12/16/2016

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample Analysis

Work Order 16-1895

Sample	Description	Source	Taken/Time	Received
58240	1612256-01	ESS Laboratory	12/8/16	12/12/16

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Sulfur, Total	481	mg/kg	100.00	SW 846 6010	12/15/16	dfp

(1) MA & CT do not certify this parameter

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/CMT

Shipped/Delivered Via: Client

ESS Project ID: 1612256
Date Received: 12/8/2016
Project Due Date: 12/15/2016
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 0.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 12/8/16 Time: 1700 By: JL

Sample Receiving Notes:

Only 1 low level DI water vial rec'd RL 12/8/16

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	90870	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	90871	Yes	NA	Yes	VOA Vial - Other	Other	
01	90872	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	90873	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	90874	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	90875	Yes	NA	Yes	8 oz. Jar - Unpres	NP	

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: Date & Time: 12/8/16 1626
Reviewed By: Date & Time: 12/8/16 1700
Delivered By: 12/8/16 1700

ESS Laboratory

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1612256

Turn Time ____ (Standard) Other____

Reporting Limits - RDEC

Regulatory State: MA (RI) CT NH NJ NY ME Other____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other____

Electonic Deliverables (Excel) Access (PDF)

Co. Name GZA

Project # 33554.90

Project Name 121 Terminal Rd LNG Access Road

Contact Person Meg Kilpatrick

Address 530 Broadway

City Providence

State Rhode Island

Zip 02909

PO #

Tel. 401-421-4140

Fax

email: mKilpatrick@gza.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC 8260B	SVOC 8270	RCRA 8 Metals	TPH 8100M	Total Sulfur 6010	Total Cyanide 9010	TCLP Lead	TCLP Metals (Ha)		
1	12/8/16	10:15	C	S	Access Road Soil Stockpile	1,6	5	G,V	35oz	X	X	X	X	X	X	X	X		

Analysis

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-____

Cooler Present X Yes ____ No

Seals Intact ____ Yes ____ No NA X

Cooler Temperature: 0.1 122 RL

Internal Use Only
[ ] Pickup
[ ] Technician___

Sampled by: Matthew Muto

Comments: N.Grid rates apply

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Matthew Muto 12/8/16 16:07	12/8/16 1607		
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

Appendix I – Groundwater Disposal Documentation

Site Address: 121 Terminal Road
Providence,RI 02905

SC PPW 1/4/2017

WORK ORDER NO. _____

RI1702015177-001

DOCUMENT NO. 857793

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Service, Inc. VEHICLE ID # 1652/2139

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Service, Inc.			National Grid LNG, LLC		
FACILITY EPA ID # MED980572182			SHIPPER EPA ID # RI5000001560		
ADDRESS 37 Kumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (PURGEWATER)	07800	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: National Grid LNG, LLC
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM FWOLF #1215 AGENT FOR NATIONAL GRID	#1215 AGENT FOR NTL GRID.	05/17/17
TRANSPORTER 1	DALE R FULLER	Dale R Fuller	05/17/17
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 121 Terminal Road
Providence, RI 02905

SC PPW 1/4 WORK ORDER NO. _____

RI 1702015177-001

DOCUMENT NO. 857795

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Service, Inc. VEHICLE ID # 2129

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Service, Inc.			ATTN: Susan Brochu National Grid LNG, LLC		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RI5000001560		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (PURGEWATER)	07858	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-5716 GENERATOR: National Grid LNG, LLC
A1267B1RIRG-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1215 AGENT FOR NATIONAL GRID USA	#1215 AGENT FOR NTL GRID USA	05/25/17
TRANSPORTER 1	DALE R FULLER	Dale R Fuller	05/25/17
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address : 121 Terminal Road
Providence,RI 02905

SC PPW 1/4/2017 WORK ORDER NO. _____

DOCUMENT NO. 857797 **STRAIGHT BILL OF LADING** RI 1702015177-001

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # Reg AP5998 #MS

EPA ID # MA5085888026 TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Service, Inc.	ATTN:Susan Brochu National Grid LNG, LLC
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI5000001560
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT	N	A. NON DOT REGULATED MATERIAL, (PURGEWATER)	8,000	gals
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3716 GENERATOR: National Grid LNG, LLC
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 AGENT FOR NATIONAL GRID USA, LNG	[signature] #1215 AGENT FOR NTL GRID.	5/31/17
TRANSPORTER 1	Chris Wood	[signature]	5-31-17
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 121 Terminal Road
Providence,RI 02905

SC PPW 1/4 WORK ORDER NO. _____

RI 1702015177-001

DOCUMENT NO. 857798

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation — VEHICLE ID # Reg# AP5998 N.H. #M

EPA ID # MAD065888026 — TRANS. 1 PHONE _____

TRANSPORTER 2 _____ — VEHICLE ID # _____

EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Service, Inc.	National Grid LNG, LLC ATTN: Susan Brechu
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI5000001560
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT	N	A. NON DOT REGULATED MATERIAL, (PURGEWATER)	6,400	gals
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 468-5718 GENERATOR: National Grid LNG, LLC
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 AGENT FOR NATIONAL GRID, LNG, LLC	Jim DeWolf #1215 AGENT FOR NTL GRID	5-31-17
TRANSPORTER 1	Christopher J. Wood	Christopher J. Wood	5-31-17
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address : 121 Terminal Road
Providence,RI 02905

SC PPW 5/30/2017 WORK ORDER NO. _____

RI 1702015177-001

DOCUMENT NO. 857799

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # Reg# AP5798 N.H

EPA ID # MA5085888026 TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Service, Inc.	SHIPPER ATTN: Susan Brochu National Grid LNG, LLC
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI5000001560
ADDRESS 34 Nimery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT	N	A. NON DOT REGULATED MATERIAL, (PURGEWATER)	8,000 gals	
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 465-3718 GENERATOR: National Grid LNG, LLC
A.126781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Agent for Narragansett Electric Jody Tomasso	SIGN [signature]	DATE 6-1-17
TRANSPORTER 1	PRINT Christopher J. Wood	SIGN Christopher J. Wood	DATE 6-1-17
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 121 Terminal Road
Providence, RI 02905

SC PPW 1/4/2017 WORK ORDER NO. _____

DOCUMENT NO. 857794

STRAIGHT BILL OF LADING

RI 1702015177-001

TRANSPORTER 1 _____ VEHICLE ID # _____

EPA ID # Clean Harbors Environmental Service, Inc. TRANS. 1 PHONE _____

MAD039322250 (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Service, Inc.	ATTN: Susan Brochu National Grid LNG, LLC
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RI5000001560
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (PURGEWATER)	07957	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: National Grid LNG, LLC
A.T26781RIRB-RII

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1215 AGENT FOR NATIONAL GRID	[signature] #1215 AGENT FOR NTL GRID	06/06/17
TRANSPORTER 1	DALE R FULLER	Dale R Fuller	06/06/17
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

Tr# 318

Site Address: 121 Terminal Road
Providence, RI 02905

SC PPW 5/30/2017 WORK ORDER NO. _____

DOCUMENT NO. 857804 **STRAIGHT BILL OF LADING** RI 1702015177-001

TRANSPORTER 1 _____ VEHICLE ID # 1188-318

EPA ID # Clean Harbors Environmental Service, Inc. TRANS. 1 PHONE _____

TRANSPORTER 2 MAD039322250 VEHICLE ID # (781) 792-5000

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Service, Inc.			ATTN: Susan Brochu National Grid LNG, LLC		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RI5000001560		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	4909	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 493-3716 GENERATOR: National Grid LNG, LLC
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Fewolf #1215 AGENT FOR NATIONAL GRID	[signature] #1215 AGENT FOR NTL. GRID	6-08-17
TRANSPORTER 1	Adriano Brito	[signature]	6-08-17
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 121 Terminal Road
Providence, RI 02905

SC PPW 5/30/2017
WORK ORDER NO. RI 1702015177-001

DOCUMENT NO. 857810

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID #

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			National Grid LNG, LLC		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			R150000001560		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (PURGEWATER)	1956	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-5716 GENERATOR: National Grid LNG, LLC
LT25781RIRE-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 AGENT FOR NATIONAL GRID USA	#1215 AGENT FOR NTL GRID	6/20/2017
TRANSPORTER 1	Justin A. Masters		6/20/2017
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

Appendix J – Monitoring Well Decommissioning Logs

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: ESS-RW-1

Date Abandoned: 7/9/16

GZA Job Number: 33554.60

Time Started: 9:45

Site Address: 642 Allens Ave

Time Finished: 10:45

Town, State: Providence, RI

Gauging date: 7/7/16

Gauging Time: 8:50

Well Diameter: 12”

Depth to LNAPL: -

Depth to Water: 6.78’

LNAPL Thickness: -

Depth to Bottom of the Well: 8.6’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 5.6’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 120

Crew onsite: Justin
Hunter

GZA Personnel onsite: Sophia Narkiewicz

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: ESS RW-2

Date Abandoned: 7/7/16

GZA Job Number: 33554.60

Time Started: 1100

Site Address: 642 Allens Ave

Time Finished: 1200

Town, State: Providence, RI

Gauging date: 7/7/16

Gauging Time: 8:55

Well Diameter: 12”

Depth to LNAPL: -

Depth to Water: 8.38’

LNAPL Thickness: -

Depth to Bottom of the Well: 11.1’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 8.1’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 180

Crew onsite: Justin
Hunter

GZA Personnel onsite: Sophia Narkiewicz

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: RCA-29

Date Abandoned: 7/7/16

GZA Job Number: 33554.60

Time Started: 9:20

Site Address: 642 Allens Ave

Time Finished: 9:35

Town, State: Providence, RI

Gauging date: 07/07/16

Gauging Time: 8:45

Well Diameter: 2”

Depth to LNAPL: Trace

Depth to Water: 11.65

LNAPL Thickness: Trace

Depth to Bottom of the Well: 12.5’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 8.9’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 2.5

Crew onsite: Justin

Hunter

GZA Personnel onsite: Sophia Narkiewicz

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: RCA-33

Date Abandoned: 7/7/16

GZA Job Number: 33554.60

Time Started: 9:00

Site Address: 642 Allens Ave

Time Finished: 9:10

Town, State: Providence, RI

Gauging date: 7/7/16

Gauging Time: 8:35

Well Diameter: 2”

Depth to LNAPL: -

Depth to Water: 8.21’

LNAPL Thickness: -

Depth to Bottom of the Well: 15.7’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 12’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 2.5 Gallons

Crew onsite: Justin
Hunter

GZA Personnel onsite: Sophia Narkiewicz

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: RCA-38

Date Abandoned: 7/7/16

GZA Job Number: 33554.60

Time Started: 8:45

Site Address: 642 Allens Ave

Time Finished: 9:00

Town, State: Providence, RI

Gauging date: 7/7/16

Gauging Time: 8:30

Well Diameter: 2”

Depth to LNAPL: -

Depth to Water: 10.3’

LNAPL Thickness: -

Depth to Bottom of the Well: 15.6’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 12’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 2.5

Crew onsite: Justin
Hunter

GZA Personnel onsite: Sophia Narkiewicz

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

GZA GeoEnvironmental, Inc.

Well Abandonment Form

Well ID: VHB-13

Date Abandoned: 7/5/16

GZA Job Number: 33554

Time Started: 11:30

Site Address: 642 Allens Ave

Time Finished: 12:00

Town, State: Providence, RI

Gauging date: 7/5/16

Gauging Time: 11:30

Well Diameter: 2”

Depth to LNAPL: -

Depth to Water: 10.6’

LNAPL Thickness: -

Depth to Bottom of the Well: 15.7’

Depth to DNAPL: -

Depth to Bottom of Well (BGS): 15.7’

DNAPL Thickness: -

Method of abandonment (circle one):

Removed Casing Overdrilling Split Casing Other

If other, explain: _____

Abandonment material: Grout

Quantity Used (in gallons): 3

Crew onsite: David Sheldon

Phil

GZA Personnel onsite: Matt Muto

GZA GeoEnvironmental Inc.
530 Broadway, Providence, RI 02909
Tel. (401) 421-4140 • Fax. (401) 751-8613

Appendix K – Perimeter Air Monitoring Results

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
9/22/2016	13:41	A-1	0.017	0.0
9/22/2016	13:45	A-2	0.016	0.0
9/22/2016	13:49	A-3	0.016	0.0
9/22/2016	13:53	A-4	0.018	0.0
9/23/2016	10:01	A-1	0.020	-
9/23/2016	10:05	A-2	0.016	-
9/23/2016	10:09	A-3	0.017	-
9/23/2016	10:13	A-4	0.015	-
9/23/2016	13:03	A-1	0.016	-
9/23/2016	13:07	A-2	0.021	-
9/23/2016	13:11	A-3	0.020	-
9/23/2016	13:15	A-4	0.017	-
9/26/2016	9:03	A-1	0.020	0.0
9/26/2016	9:07	A-2	0.015	0.0
9/26/2016	9:11	A-3	0.013	0.0
9/26/2016	9:15	A-4	0.011	0.0
9/26/2016	13:15	A-1	0.016	0.0
9/26/2016	13:19	A-2	0.009	0.0
9/26/2016	13:23	A-3	0.010	0.0
9/26/2016	13:27	A-4	0.007	0.0
9/27/2016	9:29	A-1	0.020	0.0
9/27/2016	9:33	A-2	0.016	0.0
9/27/2016	9:37	A-3	0.017	0.0
9/27/2016	9:41	A-4	0.017	0.0
9/27/2016	13:02	A-1	0.021	0.0
9/27/2016	13:06	A-2	0.015	0.0
9/27/2016	13:10	A-3	0.017	0.0
9/27/2016	13:14	A-4	0.016	0.0
9/28/2016	9:15	A-1	0.016	0.0
9/28/2016	9:19	A-2	0.016	0.0
9/28/2016	9:23	A-3	0.020	0.0
9/28/2016	9:27	A-4	0.019	0.0
9/28/2016	14:04	A-1	0.019	0.0
9/28/2016	14:08	A-2	0.017	0.0
9/28/2016	14:12	A-3	0.020	0.0
9/28/2016	14:16	A-4	0.019	0.0
9/29/2016	9:03	A-1	0.014	0.0
9/29/2016	9:07	A-2	0.019	0.0
9/29/2016	9:11	A-3	0.016	0.0
9/29/2016	9:14	A-4	0.016	0.0
9/29/2016	13:03	A-1	0.013	0.0
9/29/2016	13:07	A-2	0.020	0.0
9/29/2016	13:11	A-3	0.017	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
9/29/2016	13:15	A-4	0.018	0.0
9/30/2016	9:45	A-1	0.004	0.0
9/30/2016	9:49	A-2	0.010	0.0
9/30/2016	9:53	A-3	0.008	0.0
9/30/2016	9:57	A-4	0.007	0.0
9/30/2016	10:48	A-1	0.013	0.0
9/30/2016	11:50	A-2	0.008	0.0
9/30/2016	13:30	A-3	0.009	0.0
9/30/2016	14:20	A-4	0.009	0.0
10/3/2016	10:08	A-1	0.020	0.0
10/3/2016	10:12	A-2	0.014	0.0
10/3/2016	10:16	A-3	0.016	0.0
10/3/2016	10:20	A-4	0.013	0.0
10/3/2016	13:30	A-1	0.008	0.0
10/3/2016	13:34	A-2	0.012	0.0
10/3/2016	13:38	A-3	0.011	0.0
10/3/2016	13:42	A-4	0.014	0.0
10/4/2016	8:34	A-1	0.009	0.0
10/4/2016	8:38	A-2	0.006	0.0
10/4/2016	8:42	A-3	0.010	0.0
10/4/2016	8:46	A-4	0.008	0.0
10/4/2016	12:07	A-1	0.014	0.0
10/4/2016	12:11	A-2	0.011	0.0
10/4/2016	12:15	A-3	0.011	0.0
10/4/2016	12:19	A-4	0.009	0.0
10/5/2016	8:21	A-1	0.002	0.0
10/5/2016	8:25	A-2	0.005	0.0
10/5/2016	8:29	A-3	0.008	0.0
10/5/2016	8:33	A-4	0.010	0.0
10/5/2016	14:04	A-1	0.012	0.0
10/5/2016	14:08	A-2	0.008	0.0
10/5/2016	14:12	A-3	0.009	0.0
10/5/2016	14:16	A-4	0.010	-
10/6/2016	8:30	A-1	0.002	0.0
10/6/2016	8:34	A-2	0.008	0.0
10/6/2016	8:38	A-3	0.006	0.0
10/6/2016	8:42	A-4	0.005	0.0
10/6/2016	12:31	A-1	0.010	0.0
10/6/2016	12:35	A-2	0.009	0.0
10/6/2016	12:39	A-3	0.007	0.0
10/6/2016	12:43	A-4	0.012	0.0
10/7/2016	9:15	A-1	0.006	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
10/7/2016	9:19	A-2	0.006	0.0
10/7/2016	9:23	A-3	0.010	0.0
10/7/2016	9:27	A-4	0.007	0.0
10/7/2016	13:09	A-1	0.018	0.0
10/7/2016	13:13	A-2	0.014	0.0
10/7/2016	13:17	A-3	0.012	0.0
10/7/2016	13:21	A-4	0.010	0.0
10/11/2016	17:45	A-1	0.002	0.0
10/11/2016	17:49	A-2	0.008	0.0
10/11/2016	17:53	A-3	0.006	0.0
10/11/2016	17:57	A-4	0.009	0.0
10/11/2016	22:31	A-1	0.012	0.0
10/11/2016	22:35	A-2	0.013	0.0
10/11/2016	22:39	A-3	0.008	0.0
10/11/2016	22:43	A-4	0.007	0.0
10/12/2016	9:35	A-1	0.006	0.0
10/12/2016	9:39	A-2	0.004	0.0
10/12/2016	9:43	A-3	0.008	0.0
10/12/2016	9:47	A-4	0.011	0.0
10/12/2016	12:00	A-1	0.004	0.0
10/12/2016	12:04	A-2	0.006	0.0
10/12/2016	12:08	A-3	0.010	0.0
10/12/2016	12:12	A-4	0.007	0.0
10/12/2016	13:20	A-1	0.000	0.0
10/12/2016	13:24	A-2	0.003	0.0
10/12/2016	13:28	A-3	0.001	0.0
10/12/2016	13:32	A-4	0.006	0.0
10/12/2016	18:31	A-1	0.007	0.0
10/12/2016	18:34	A-2	0.012	0.0
10/12/2016	18:38	A-3	0.014	0.0
10/12/2016	18:42	A-4	0.009	0.0
10/12/2016	21:30	A-1	0.010	0.0
10/12/2016	21:34	A-2	0.014	0.0
10/12/2016	21:38	A-3	0.012	0.0
10/12/2016	21:42	A-4	0.009	0.0
10/13/2016	8:38	A-1	0.011	0.0
10/13/2016	8:42	A-2	0.013	0.0
10/13/2016	8:46	A-3	0.016	0.0
10/13/2016	8:50	A-4	0.015	0.0
10/13/2016	13:00	A-1	0.013	0.0
10/13/2016	13:04	A-2	0.019	0.0
10/13/2016	13:08	A-3	0.000	0.0
10/13/2016	13:12	A-4	0.000	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
10/13/2016	18:03	A-1	0.025	0.0
10/13/2016	18:07	A-2	0.021	0.0
10/13/2016	18:11	A-3	0.019	0.0
10/13/2016	18:15	A-4	0.024	0.0
10/13/2016	22:08	A-1	0.018	0.0
10/13/2016	22:12	A-2	0.022	0.0
10/13/2016	22:16	A-3	0.020	0.0
10/13/2016	22:20	A-4	0.020	0.0
10/14/2016	10:10	A-1	0.000	0.0
10/14/2016	10:14	A-2	0.000	0.0
10/14/2016	10:18	A-3	0.000	0.0
10/14/2016	10:22	A-4	0.000	0.0
10/14/2016	13:03	A-1	0.000	0.0
10/14/2016	13:07	A-2	0.000	0.0
10/14/2016	13:11	A-3	0.008	0.0
10/14/2016	13:15	A-4	0.004	0.0
10/14/2016	15:05	A-1	0.000	0.0
10/14/2016	15:09	A-2	0.001	0.0
10/14/2016	15:13	A-3	0.003	0.0
10/14/2016	15:17	A-4	0.002	0.0
10/14/2016	19:45	A-1	0.020	0.0
10/14/2016	19:49	A-2	0.024	0.0
10/14/2016	19:53	A-3	0.019	0.0
10/14/2016	19:57	A-4	0.021	0.0
10/14/2016	23:01	A-1	0.025	0.0
10/14/2016	23:05	A-2	0.015	0.0
10/14/2016	23:09	A-3	0.018	0.0
10/14/2016	23:13	A-4	0.019	0.0
10/17/2016	9:14	A-1	0.005	0.0
10/17/2016	9:18	A-2	0.007	0.0
10/17/2016	9:22	A-3	0.009	0.0
10/17/2016	9:26	A-4	0.010	0.0
10/17/2016	13:01	A-1	0.010	0.0
10/17/2016	13:05	A-2	0.007	0.0
10/17/2016	13:09	A-3	0.006	0.0
10/17/2016	13:13	A-4	0.006	0.0
10/18/2016	8:50	A-1	0.011	0.0
10/18/2016	8:54	A-2	0.009	0.0
10/18/2016	8:58	A-3	0.004	0.0
10/18/2016	9:02	A-4	0.007	0.0
10/18/2016	14:04	A-1	0.013	0.0
10/18/2016	14:08	A-2	0.009	0.0
10/18/2016	14:12	A-3	0.005	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
10/18/2016	14:16	A-4	0.004	0.0
10/19/2016	8:38	A-1	0.008	0.0
10/19/2016	8:42	A-2	0.008	0.0
10/19/2016	8:46	A-3	0.011	0.0
10/19/2016	8:50	A-4	0.013	0.0
10/19/2016	12:31	A-1	0.007	0.0
10/19/2016	12:35	A-2	0.009	0.0
10/19/2016	12:39	A-3	0.010	0.0
10/19/2016	12:43	A-4	0.007	0.0
10/20/2016	9:31	A-1	0.013	0.0
10/20/2016	9:35	A-2	0.011	0.0
10/20/2016	9:39	A-3	0.010	0.0
10/20/2016	9:43	A-4	0.007	0.0
10/20/2016	12:59	A-1	0.005	0.0
10/20/2016	13:03	A-2	0.006	0.0
10/20/2016	13:07	A-3	0.010	0.0
10/20/2016	13:11	A-4	0.009	0.0
10/21/2016	8:45	A-1	0.011	0.0
10/21/2016	8:49	A-2	0.007	0.0
10/21/2016	8:53	A-3	0.005	0.0
10/21/2016	8:57	A-4	0.008	0.0
10/21/2016	11:01	A-1	0.013	0.0
10/21/2016	11:05	A-2	0.010	0.0
10/21/2016	11:09	A-3	0.009	0.0
10/21/2016	11:13	A-4	0.014	0.0
10/24/2016	12:20	A-1	0.008	0.0
10/24/2016	12:24	A-2	0.012	0.0
10/24/2016	12:28	A-3	0.009	0.0
10/24/2016	12:32	A-4	0.011	0.0
10/24/2016	14:30	A-1	0.010	0.0
10/24/2016	14:34	A-2	0.010	0.0
10/24/2016	14:38	A-3	0.005	0.0
10/24/2016	14:42	A-4	0.007	0.0
10/25/2016	10:11	A-1	0.015	0.0
10/25/2016	10:15	A-2	0.010	0.0
10/25/2016	10:19	A-3	0.009	0.0
10/25/2016	10:23	A-4	0.011	0.0
10/25/2016	13:07	A-1	0.008	0.0
10/25/2016	13:11	A-2	0.012	0.0
10/25/2016	13:15	A-3	0.009	0.0
10/25/2016	13:19	A-4	0.009	0.0
10/26/2016	10:08	A-1	0.003	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
10/26/2016	10:12	A-2	0.011	0.0
10/26/2016	10:16	A-3	0.008	0.0
10/26/2016	10:20	A-4	0.007	0.0
10/26/2016	13:12	A-1	0.010	0.0
10/26/2016	13:16	A-2	0.014	0.0
10/26/2016	13:20	A-3	0.008	0.0
10/26/2016	13:24	A-4	0.009	0.0
10/27/2016	8:30	A-1	0.004	0.0
10/27/2016	8:34	A-2	0.007	0.0
10/27/2016	8:38	A-3	0.009	0.0
10/27/2016	8:42	A-4	0.011	0.0
10/27/2016	13:15	A-1	0.004	0.0
10/27/2016	13:19	A-2	0.010	0.0
10/27/2016	13:23	A-3	0.007	0.0
10/27/2016	13:27	A-4	0.009	0.0
10/28/2016	9:47	A-1	0.008	0.0
10/28/2016	9:51	A-2	0.011	0.0
10/28/2016	9:55	A-3	0.012	0.0
10/28/2016	9:59	A-4	0.008	0.0
10/28/2016	12:59	A-1	0.010	0.0
10/28/2016	13:03	A-2	0.004	0.0
10/28/2016	13:07	A-3	0.006	0.0
10/28/2016	13:11	A-4	0.007	0.0
10/31/2016	10:14	A-1	0.004	0.0
10/31/2016	10:18	A-2	0.007	0.0
10/31/2016	10:22	A-3	0.010	0.0
10/31/2016	10:26	A-4	0.008	0.0
10/31/2016	12:40	A-1	0.003	0.0
10/31/2016	12:44	A-2	0.006	0.0
10/31/2016	12:48	A-3	0.010	0.0
10/31/2016	12:52	A-4	0.007	0.0
11/1/2016	8:49	A-1	0.011	0.0
11/1/2016	8:53	A-2	0.009	0.0
11/1/2016	8:57	A-3	0.016	0.0
11/1/2016	9:01	A-4	0.015	0.0
11/1/2016	9:05	A-1	0.013	0.0
11/1/2016	9:09	A-2	0.012	0.0
11/1/2016	9:13	A-3	0.009	0.0
11/1/2016	9:17	A-4	0.009	0.0
11/2/2016	10:00	A-1	0.020	0.0
11/2/2016	10:04	A-2	0.017	0.0
11/2/2016	10:08	A-3	0.016	0.0
11/2/2016	10:12	A-4	0.017	0.0

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Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
11/2/2016	14:45	A-1	0.013	0.0
11/2/2016	14:49	A-2	0.018	0.0
11/2/2016	14:53	A-3	0.018	0.0
11/2/2016	14:57	A-4	0.021	0.0
11/3/2016	10:03	A-1	0.024	0.0
11/3/2016	10:07	A-2	0.027	0.0
11/3/2016	10:11	A-3	0.029	0.0
11/3/2016	10:15	A-4	0.027	0.0
11/3/2016	15:30	A-1	0.030	0.0
11/3/2016	15:34	A-2	0.031	0.0
11/3/2016	15:38	A-3	0.027	0.0
11/3/2016	15:42	A-4	0.028	0.0
11/4/2016	9:21	A-1	0.027	0.0
11/4/2016	9:25	A-2	0.031	0.0
11/4/2016	9:29	A-3	0.034	0.0
11/4/2016	9:33	A-4	0.028	0.0
11/4/2016	14:04	A-1	0.030	0.0
11/4/2016	14:08	A-2	0.040	0.0
11/4/2016	14:12	A-3	0.029	0.0
11/4/2016	14:16	A-4	0.033	0.0
11/7/2016	9:28	A-1	0.030	0.0
11/7/2016	9:32	A-2	0.025	0.0
11/7/2016	9:36	A-3	0.025	0.0
11/7/2016	9:40	A-4	0.031	0.0
11/7/2016	14:37	A-1	0.024	0.0
11/7/2016	14:41	A-2	0.029	0.0
11/7/2016	14:45	A-3	0.032	0.0
11/7/2016	14:49	A-4	0.027	0.0
11/8/2016	10:01	A-1	0.032	0.0
11/8/2016	10:05	A-2	0.028	0.0
11/8/2016	10:09	A-3	0.029	0.0
11/8/2016	10:13	A-4	0.029	0.0
11/8/2016	15:07	A-1	0.031	0.0
11/8/2016	15:11	A-2	0.031	0.0
11/8/2016	15:15	A-3	0.028	0.0
11/8/2016	15:19	A-4	0.034	0.0
11/9/2016	8:30	A-1	0.028	0.0
11/9/2016	8:34	A-2	0.030	0.0
11/9/2016	8:38	A-3	0.021	0.0
11/9/2016	8:42	A-4	0.025	0.0
11/9/2016	13:51	A-1	0.031	0.0
11/9/2016	13:55	A-2	0.028	0.0
11/9/2016	13:59	A-3	0.028	0.0

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Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
11/9/2016	14:03	A-4	0.030	0.0
11/10/2016	9:47	A-1	0.031	0.0
11/10/2016	9:51	A-2	0.025	0.0
11/10/2016	9:55	A-3	0.027	0.0
11/10/2016	9:59	A-4	0.028	0.0
11/10/2016	15:30	A-1	0.030	0.0
11/10/2016	15:34	A-2	0.030	0.0
11/10/2016	15:38	A-3	0.029	0.0
11/10/2016	15:42	A-4	0.022	0.0
11/11/2016	7:15	A-1	0.035	0.0
11/11/2016	8:00	A-2	0.031	0.0
11/11/2016	8:55	A-3	0.028	0.0
11/11/2016	9:35	A-4	0.033	0.0
11/11/2016	10:30	A-1	0.025	0.0
11/11/2016	11:20	A-2	0.029	0.0
11/11/2016	13:00	A-3	0.032	0.0
11/11/2016	14:35	A-4	0.030	0.0
11/14/2016	9:49	A-1	0.035	0.0
11/14/2016	9:53	A-2	0.030	0.0
11/14/2016	9:57	A-3	0.037	0.0
11/14/2016	10:01	A-4	0.031	0.0
11/14/2016	12:30	A-1	0.029	0.0
11/14/2016	12:34	A-2	0.034	0.0
11/14/2016	12:38	A-3	0.035	0.0
11/14/2016	12:42	A-4	0.031	0.0
11/15/2016	8:47	A-1	0.030	0.0
11/15/2016	8:51	A-2	0.027	0.0
11/15/2016	8:55	A-3	0.027	0.0
11/15/2016	8:59	A-4	0.031	0.0
11/15/2016	14:31	A-1	0.022	0.0
11/15/2016	14:35	A-2	0.027	0.0
11/15/2016	14:39	A-3	0.030	0.0
11/15/2016	14:43	A-4	0.033	0.0
11/16/2016	10:08	A-1	0.034	0.0
11/16/2016	10:12	A-2	0.028	0.0
11/16/2016	10:16	A-3	0.030	0.0
11/16/2016	10:20	A-4	0.031	0.0
11/16/2016	15:01	A-1	0.033	0.0
11/16/2016	15:05	A-2	0.033	0.0
11/16/2016	15:09	A-3	0.028	0.0
11/16/2016	15:13	A-4	0.024	0.0
11/17/2016	9:44	A-1	0.035	0.0

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Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
11/17/2016	9:48	A-2	0.039	0.0
11/17/2016	9:52	A-3	0.030	0.0
11/17/2016	9:56	A-4	0.031	0.0
11/17/2016	13:47	A-1	0.029	0.0
11/17/2016	13:51	A-2	0.033	0.0
11/17/2016	13:55	A-3	0.034	0.0
11/17/2016	13:59	A-4	0.031	0.0
11/18/2016	9:57	A-1	0.033	0.0
11/18/2016	10:01	A-2	0.031	0.0
11/18/2016	10:05	A-3	0.031	0.0
11/18/2016	10:09	A-4	0.030	0.0
11/18/2016	13:37	A-1	0.034	0.0
11/18/2016	13:41	A-2	0.028	0.0
11/18/2016	13:45	A-3	0.030	0.0
11/18/2016	13:49	A-4	0.030	0.0
11/21/2016	9:08	A-1	0.035	0.0
11/21/2016	9:12	A-2	0.038	0.0
11/21/2016	9:16	A-3	0.031	0.0
11/21/2016	9:20	A-4	0.031	0.0
11/21/2016	13:15	A-1	0.028	0.0
11/21/2016	13:19	A-2	0.029	0.0
11/21/2016	13:23	A-3	0.032	0.0
11/21/2016	13:27	A-4	0.029	0.0
11/22/2016	10:03	A-1	0.028	0.0
11/22/2016	10:07	A-2	0.035	0.0
11/22/2016	10:11	A-3	0.031	0.0
11/22/2016	10:15	A-4	0.037	0.0
11/22/2016	14:45	A-1	0.025	0.0
11/22/2016	14:49	A-2	0.029	0.0
11/22/2016	14:53	A-3	0.030	0.0
11/22/2016	14:57	A-4	0.035	0.0
11/23/2016	8:04	A-1	0.031	0.0
11/23/2016	8:08	A-2	0.028	0.0
11/23/2016	8:12	A-3	0.023	0.0
11/23/2016	8:16	A-4	0.025	0.0
11/23/2016	11:10	A-1	0.029	0.0
11/23/2016	11:14	A-2	0.031	0.0
11/23/2016	11:18	A-3	0.030	0.0
11/23/2016	11:22	A-4	0.030	0.0
11/28/2016	10:15	A-1	0.035	0.0
11/28/2016	10:19	A-2	0.028	0.0
11/28/2016	10:23	A-3	0.030	0.0
11/28/2016	10:27	A-4	0.031	0.0

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Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
11/28/2016	15:09	A-1	0.021	0.0
11/28/2016	15:13	A-2	0.028	0.0
11/28/2016	15:17	A-3	0.025	0.0
11/28/2016	15:21	A-4	0.027	0.0
11/29/2016	10:04	A-1	0.030	0.0
11/29/2016	10:08	A-2	0.028	0.0
11/29/2016	10:12	A-3	0.025	0.0
11/29/2016	10:16	A-4	0.021	0.0
11/29/2016	15:30	A-1	0.035	0.0
11/29/2016	15:34	A-2	0.030	0.0
11/29/2016	15:38	A-3	0.028	0.0
11/29/2016	15:42	A-4	0.025	0.0
11/30/2016	8:45	A-1	0.022	0.0
11/30/2016	8:49	A-2	0.028	0.0
11/30/2016	8:53	A-3	0.026	0.0
11/30/2016	8:57	A-4	0.030	0.0
11/30/2016	15:51	A-1	0.033	0.0
11/30/2016	15:55	A-2	0.028	0.0
11/30/2016	15:59	A-3	0.026	0.0
11/30/2016	16:03	A-4	0.027	0.0
12/1/2016	9:22	A-1	0.021	0.0
12/1/2016	9:26	A-2	0.028	0.0
12/1/2016	9:30	A-3	0.030	0.0
12/1/2016	9:34	A-4	0.025	0.0
12/1/2016	14:31	A-1	0.020	0.0
12/1/2016	14:35	A-2	0.025	0.0
12/1/2016	14:39	A-3	0.031	0.0
12/1/2016	14:43	A-4	0.028	0.0
12/2/2016	8:47	A-1	0.021	0.0
12/2/2016	8:51	A-2	0.027	0.0
12/2/2016	8:55	A-3	0.030	0.0
12/2/2016	8:59	A-4	0.025	0.0
12/2/2016	16:00	A-1	0.031	0.0
12/2/2016	16:04	A-2	0.028	0.0
12/2/2016	16:08	A-3	0.029	0.0
12/2/2016	16:12	A-4	0.029	0.0
12/3/2016	9:47	A-1	0.029	0.0
12/3/2016	9:51	A-2	0.032	0.0
12/3/2016	9:55	A-3	0.025	0.0
12/3/2016	9:59	A-4	0.028	0.0
12/3/2016	13:03	A-1	0.031	0.0
12/3/2016	13:07	A-2	0.033	0.0
12/3/2016	13:11	A-3	0.026	0.0

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Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
12/3/2016	13:15	A-4	0.027	0.0
12/5/2016	9:10	A-1	0.019	0.0
12/5/2016	9:14	A-2	0.023	0.0
12/5/2016	9:18	A-3	0.025	0.0
12/5/2016	9:22	A-4	0.020	0.0
12/5/2016	13:15	A-1	0.024	0.0
12/5/2016	13:19	A-2	0.024	0.0
12/5/2016	13:23	A-3	0.019	0.0
12/5/2016	13:27	A-4	0.021	0.0
12/6/2016	9:44	A-1	0.018	0.0
12/6/2016	9:48	A-2	0.025	0.0
12/6/2016	9:52	A-3	0.026	0.0
12/6/2016	9:56	A-4	0.021	0.0
12/6/2016	14:22	A-1	0.019	0.0
12/6/2016	14:26	A-2	0.020	0.0
12/6/2016	14:30	A-3	0.020	0.0
12/6/2016	14:34	A-4	0.018	0.0
12/7/2016	8:59	A-1	0.030	0.0
12/7/2016	9:03	A-2	0.035	0.0
12/7/2016	9:07	A-3	0.029	0.0
12/7/2016	9:11	A-4	0.031	0.0
12/7/2016	14:31	A-1	0.028	0.0
12/7/2016	14:35	A-2	0.034	0.0
12/7/2016	14:39	A-3	0.029	0.0
12/7/2016	14:43	A-4	0.030	0.0
12/8/2016	9:30	A-1	0.031	0.0
12/8/2016	9:34	A-2	0.030	0.0
12/8/2016	9:38	A-3	0.030	0.0
12/8/2016	9:42	A-4	0.034	0.0
12/8/2016	14:03	A-1	0.029	0.0
12/8/2016	14:07	A-2	0.032	0.0
12/8/2016	14:11	A-3	0.039	0.0
12/8/2016	14:15	A-4	0.034	0.0
12/9/2016	10:03	A-1	0.030	0.0
12/9/2016	10:07	A-2	0.025	0.0
12/9/2016	10:11	A-3	0.029	0.0
12/9/2016	10:15	A-4	0.026	0.0
12/9/2016	14:47	A-1	0.027	0.0
12/9/2016	14:51	A-2	0.023	0.0
12/9/2016	14:55	A-3	0.027	0.0
12/9/2016	14:59	A-4	0.024	0.0
12/12/2016	10:27	A-1	0.030	0.0

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Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
12/12/2016	10:31	A-2	0.029	0.0
12/12/2016	10:35	A-3	0.031	0.0
12/12/2016	10:39	A-4	0.033	0.0
12/12/2016	15:03	A-1	0.028	0.0
12/12/2016	15:07	A-2	0.028	0.0
12/12/2016	15:11	A-3	0.030	0.0
12/12/2016	15:15	A-4	0.034	0.0
12/13/2016	9:01	A-1	0.040	0.0
12/13/2016	9:05	A-2	0.039	0.0
12/13/2016	9:09	A-3	0.042	0.0
12/13/2016	9:13	A-4	0.035	0.0
12/13/2016	12:05	A-1	0.038	0.0
12/13/2016	12:09	A-2	0.043	0.0
12/13/2016	12:13	A-3	0.040	0.0
12/13/2016	12:17	A-4	0.041	0.0
12/14/2016	8:31	A-1	0.029	0.0
12/14/2016	8:35	A-2	0.024	0.0
12/14/2016	8:39	A-3	0.028	0.0
12/14/2016	8:43	A-4	0.027	0.0
12/14/2016	14:21	A-1	0.021	0.0
12/14/2016	14:25	A-2	0.030	0.0
12/14/2016	14:29	A-3	0.027	0.0
12/14/2016	14:33	A-4	0.028	0.0
12/15/2016	9:51	A-1	0.025	0.0
12/15/2016	9:55	A-2	0.027	0.0
12/15/2016	9:59	A-3	0.031	0.0
12/15/2016	10:03	A-4	0.034	0.0
12/15/2016	15:01	A-1	0.031	0.0
12/15/2016	15:05	A-2	0.029	0.0
12/15/2016	15:09	A-3	0.032	0.0
12/15/2016	15:13	A-4	0.032	0.0
3/30/2017	10:15	A-1	0.045	0.0
3/30/2017	10:18	A-2	0.051	0.0
3/30/2017	10:21	A-3	0.047	0.0
3/30/2017	13:07	A-1	0.054	0.0
3/30/2017	13:10	A-2	0.060	0.0
3/30/2017	13:13	A-3	0.062	0.0
4/3/2017	9:45	A-1	0.035	0.0
4/3/2017	9:48	A-2	0.041	0.0
4/3/2017	9:51	A-3	0.043	0.0
4/3/2017	13:02	A-1	0.051	0.0
4/3/2017	13:05	A-2	0.047	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
4/3/2017	13:08	A-3	0.045	0.0
4/5/2017	9:17	Bottom of access Rd	0.035	0.0
4/5/2017	9:20	Bottom of access Rd	0.045	0.0
4/5/2017	9:23	Bottom of access Rd	0.039	0.0
4/5/2017	14:04	Bottom of access Rd	0.061	0.0
4/5/2017	14:07	Bottom of access Rd	0.052	0.0
4/5/2017	14:10	Bottom of access Rd	0.053	0.0
4/7/2017	10:15	Bottom of access Rd	0.039	0.0
4/7/2017	10:18	Bottom of access Rd	0.045	0.0
4/7/2017	10:21	Bottom of access Rd	0.047	0.0
4/7/2017	14:02	Bottom of access Rd	0.051	0.0
4/7/2017	14:05	Bottom of access Rd	0.050	0.0
4/7/2017	14:08	Bottom of access Rd	0.060	0.0
4/10/2017	9:22	Bottom of wall #2	0.021	0.0
4/10/2017	9:25	Bottom of wall #2	0.029	0.0
4/10/2017	9:28	Bottom of wall #2	0.025	0.0
4/10/2017	14:22	Bottom of wall #2	0.031	0.0
4/10/2017	14:25	Bottom of wall #2	0.035	0.0
4/10/2017	14:28	Bottom of wall #2	0.032	0.0
4/11/2017	9:09	Top of access Rd.	0.051	0.0
4/11/2017	9:12	Top of access Rd.	0.038	0.0
4/11/2017	9:15	Top of access Rd.	0.045	0.0
4/11/2017	14:47	Top of access Rd.	0.031	0.0
4/11/2017	14:50	Top of access Rd.	0.029	0.0
4/11/2017	14:53	Top of access Rd.	0.035	0.0
4/12/2017	8:41	Top of access Rd.	0.021	0.0
4/12/2017	8:44	Top of access Rd.	0.030	0.0
4/12/2017	8:47	Top of access Rd.	0.027	0.0
4/12/2017	13:07	Top of access Rd.	0.041	0.0
4/12/2017	13:10	Top of access Rd.	0.044	0.0
4/12/2017	13:13	Top of access Rd.	0.050	0.0
4/13/2017	9:30	Apex of access Rd.	0.059	0.0
4/13/2017	9:35	Apex of access Rd.	0.031	0.0
4/13/2017	13:50	Apex of access Rd.	0.017	0.0
4/13/2017	13:55	Apex of access Rd.	0.052	0.0
4/13/2017	15:05	Apex of access Rd.	0.007	0.0
4/13/2017	15:10	Apex of access Rd.	0.010	0.0
4/14/2017	10:03	Top of access Rd.	0.045	0.0
4/14/2017	10:06	Top of access Rd.	0.041	0.0
4/14/2017	10:09	Top of access Rd.	0.052	0.0
4/14/2017	13:22	Top of access Rd.	0.061	0.0
4/14/2017	13:25	Top of access Rd.	0.050	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
4/14/2017	13:28	Top of access Rd.	0.047	0.0
4/15/2017	10:11	Top of access Rd.	0.061	0.0
4/15/2017	10:14	Top of access Rd.	0.049	0.0
4/15/2017	10:17	Top of access Rd.	0.051	0.0
4/15/2017	15:01	Top of access Rd.	0.050	0.0
4/15/2017	15:04	Top of access Rd.	0.037	0.0
4/15/2017	15:07	Top of access Rd.	0.042	0.0
4/17/2017	10:15	Top of access Rd.	0.050	0.0
4/17/2017	10:18	Top of access Rd.	0.040	0.0
4/17/2017	10:21	Top of access Rd.	0.044	0.0
4/17/2017	12:53	Top of access Rd.	0.031	0.0
4/17/2017	12:56	Top of access Rd.	0.033	0.0
4/17/2017	12:59	Top of access Rd.	0.032	0.0
4/18/2017	9:30	Top of access Rd.	0.020	0.0
4/18/2017	9:33	Top of access Rd.	0.031	0.0
4/18/2017	9:36	Top of access Rd.	0.029	0.0
4/18/2017	12:30	Top of access Rd.	0.022	0.0
4/18/2017	12:33	Top of access Rd.	0.024	0.0
4/18/2017	12:36	Top of access Rd.	0.029	0.0
4/19/2017	9:27	Top of access Rd.	0.050	0.0
4/19/2017	9:30	Top of access Rd.	0.039	0.0
4/19/2017	9:33	Top of access Rd.	0.044	0.0
4/19/2017	14:01	Top of access Rd.	0.041	0.0
4/19/2017	14:04	Top of access Rd.	0.045	0.0
4/19/2017	14:07	Top of access Rd.	0.049	0.0
4/20/2017	7:55	Apex of access Rd.	0.031	-
4/20/2017	7:58	Apex of access Rd.	0.000	-
4/20/2017	8:05	Apex of access Rd.	0.002	-
4/20/2017	12:45	Apex of access Rd.	0.002	0.0
4/20/2017	12:48	Apex of access Rd.	0.000	0.0
4/20/2017	12:51	Apex of access Rd.	0.000	0.0
4/22/2017	9:59	Top of access Rd.	0.049	0.0
4/22/2017	10:02	Top of access Rd.	0.053	0.0
4/22/2017	10:05	Top of access Rd.	0.041	0.0
4/22/2017	14:45	Top of access Rd.	0.051	0.0
4/22/2017	14:48	Top of access Rd.	0.043	0.0
4/22/2017	14:51	Top of access Rd.	0.047	0.0
4/24/2017	9:31	Top of access Rd.	0.051	0.0
4/24/2017	9:34	Top of access Rd.	0.041	0.0
4/24/2017	9:37	Top of access Rd.	0.039	0.0
4/24/2017	13:03	Top of access Rd.	0.055	0.0
4/24/2017	13:06	Top of access Rd.	0.049	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
4/24/2017	13:09	Top of access Rd.	0.052	0.0
4/27/2017	9:37	Top of access Rd.	0.039	0.0
4/27/2017	9:40	Top of access Rd.	0.045	0.0
4/27/2017	9:43	Top of access Rd.	0.052	0.0
4/27/2017	14:06	Top of access Rd.	0.061	0.0
4/27/2017	14:09	Top of access Rd.	0.068	0.0
4/27/2017	14:12	Top of access Rd.	0.070	0.0
4/28/2017	9:18	Top of access Rd.	0.020	0.0
4/28/2017	9:21	Top of access Rd.	0.015	0.0
4/28/2017	9:24	Top of access Rd.	0.011	0.0
4/28/2017	15:09	Top of access Rd.	0.009	0.0
4/28/2017	15:12	Top of access Rd.	0.016	0.0
4/28/2017	15:15	Top of access Rd.	0.012	0.0
5/1/2017	9:59	Top of access Rd.	0.011	0.0
5/1/2017	10:02	Top of access Rd.	0.015	0.0
5/1/2017	10:05	Top of access Rd.	0.025	0.0
5/1/2017	13:47	Top of access Rd.	0.019	0.0
5/1/2017	13:50	Top of access Rd.	0.016	0.0
5/1/2017	13:53	Top of access Rd.	0.012	0.0
5/3/2017	10:11	Top of access Rd.	0.026	0.0
5/3/2017	10:14	Top of access Rd.	0.021	0.0
5/3/2017	10:17	Top of access Rd.	0.019	0.0
5/3/2017	14:45	Top of access Rd.	0.015	0.0
5/3/2017	14:48	Top of access Rd.	0.011	0.0
5/3/2017	14:51	Top of access Rd.	0.021	0.0
5/4/2017	10:30	Top of access Rd.	0.039	0.0
5/4/2017	10:33	Top of access Rd.	0.031	0.0
5/4/2017	10:36	Top of access Rd.	0.035	0.0
5/4/2017	13:14	Top of access Rd.	0.039	0.0
5/4/2017	13:17	Top of access Rd.	0.041	0.0
5/4/2017	13:20	Top of access Rd.	0.045	0.0
5/8/2017	10:47	Top of access Rd.	0.041	0.0
5/8/2017	10:50	Top of access Rd.	0.052	0.0
5/8/2017	10:53	Top of access Rd.	0.048	0.0
5/8/2017	15:03	Top of access Rd.	0.060	0.0
5/8/2017	15:06	Top of access Rd.	0.051	0.0
5/8/2017	15:09	Top of access Rd.	0.057	0.0
5/9/2017	10:30	Top of access Rd.	0.040	0.0
5/9/2017	10:33	Top of access Rd.	0.043	0.0
5/9/2017	10:36	Top of access Rd.	0.045	0.0
5/9/2017	14:37	Top of access Rd.	0.048	0.0
5/9/2017	14:40	Top of access Rd.	0.055	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
5/9/2017	14:43	Top of access Rd.	0.057	0.0
5/10/2017	10:05	Waterline excavtion	0.051	0.0
5/10/2017	10:08	Waterline excavtion	0.046	0.0
5/10/2017	10:11	Waterline excavtion	0.041	0.0
5/10/2017	13:03	Waterline excavtion	0.051	0.0
5/10/2017	13:06	Waterline excavtion	0.049	0.0
5/10/2017	13:09	Waterline excavtion	0.043	0.0
5/11/2017	10:23	Waterline excavtion	0.061	0.0
5/11/2017	10:26	Waterline excavtion	0.065	0.0
5/11/2017	10:29	Waterline excavtion	0.059	0.0
5/11/2017	14:23	Waterline excavtion	0.040	0.0
5/11/2017	14:26	Waterline excavtion	0.047	0.0
5/11/2017	14:29	Waterline excavtion	0.042	0.0
5/12/2017	11:01	Waterline excavtion	0.041	0.0
5/12/2017	11:04	Waterline excavtion	0.049	0.0
5/12/2017	11:07	Waterline excavtion	0.046	0.0
5/12/2017	13:21	Waterline excavtion	0.054	0.0
5/12/2017	13:24	Waterline excavtion	0.057	0.0
5/12/2017	13:27	Waterline excavtion	0.059	0.0
5/16/2017	9:00	Waterline excavtion	0.031	0.0
5/16/2017	9:03	Waterline excavtion	0.045	0.0
5/16/2017	9:06	Waterline excavtion	0.060	0.0
5/16/2017	13:13	Waterline excavtion	0.053	0.0
5/16/2017	13:16	Waterline excavtion	0.058	0.0
5/16/2017	13:19	Waterline excavtion	0.056	0.0
5/17/2017	10:28	Waterline excavtion	0.051	0.0
5/17/2017	10:31	Waterline excavtion	0.057	0.0
5/17/2017	10:34	Waterline excavtion	0.064	0.0
5/17/2017	13:11	Waterline excavtion	0.041	0.0
5/17/2017	13:14	Waterline excavtion	0.039	0.0
5/17/2017	13:17	Waterline excavtion	0.045	0.0
5/18/2017	8:45	Waterline excavtion	0.025	0.0
5/18/2017	8:48	Waterline excavtion	0.032	0.0
5/18/2017	8:51	Waterline excavtion	0.026	0.0
5/18/2017	11:01	Waterline excavtion	0.017	0.0
5/18/2017	11:04	Waterline excavtion	0.012	0.0
5/18/2017	11:07	Waterline excavtion	0.010	0.0
5/19/2017	9:15	Waterline excavtion	0.009	0.0
5/19/2017	9:18	Waterline excavtion	0.014	0.0
5/19/2017	9:21	Waterline excavtion	0.012	0.0
5/19/2017	12:33	Waterline excavtion	0.029	0.0
5/19/2017	12:36	Waterline excavtion	0.021	0.0

Appendix K - Perimeter Air Monitoring Results Table 1

Dike Access Road

Providence, Rhode Island

Date	Time	Location	Dust Instanteous (mg/m^3)	TVOC (ppm)
5/19/2017	12:39	Waterline excavtion	0.022	0.0
5/31/2017	11:02	Waterline excavtion	0.007	0.0
5/31/2017	11:05	Waterline excavtion	0.010	0.0
5/31/2017	11:08	Waterline excavtion	0.013	0.0
5/31/2017	14:59	Waterline excavtion	0.020	0.0
5/31/2017	15:02	Waterline excavtion	0.018	0.0
5/31/2017	15:05	Waterline excavtion	0.019	0.0
6/1/2017	9:26	Waterline excavtion	0.010	0.0
6/1/2017	9:29	Waterline excavtion	0.014	0.0
6/1/2017	9:32	Waterline excavtion	0.011	0.0
6/1/2017	14:07	Waterline excavtion	0.007	0.0
6/1/2017	14:10	Waterline excavtion	0.003	0.0
6/1/2017	14:13	Waterline excavtion	0.009	0.0
6/2/2017	10:11	Waterline excavtion	0.011	0.0
6/2/2017	10:14	Waterline excavtion	0.017	0.0
6/2/2017	10:17	Waterline excavtion	0.020	0.0
6/2/2017	15:07	Waterline excavtion	0.015	0.0
6/2/2017	15:10	Waterline excavtion	0.014	0.0
6/2/2017	15:13	Waterline excavtion	0.008	0.0
6/3/2017	7:40	Waterline excavtion	0.007	0.0
6/3/2017	8:00	Waterline excavtion	0.010	0.0
6/3/2017	8:15	Waterline excavtion	0.008	0.0
6/7/2017	8:05	Waterline excavtion	0.011	0.0
6/7/2017	8:25	Waterline excavtion	0.009	0.0
6/7/2017	8:55	Waterline excavtion	0.007	0.0
6/7/2017	9:20	Waterline excavtion	0.008	0.0
6/7/2017	10:15	Waterline excavtion	0.016	0.0

Appendix K - Perimeter Air Monitoring Results Table 2
Dike Access Road
Providence, Rhode Island

Date	TVOC Max (ppm)	TVOC Min (ppm)	Dust Max (mg/m^3)	Dust Min (mg/m^3)	Work Areas
6/8/2017	0	0	0.002	0.091	waterline
6/10/2017	0	0	0.004	0.088	waterline
6/12/2017	0	0	0.002	0.094	waterline
6/13/2017	0	0	0.006	0.089	waterline and fencing
6/14/2017	0	0	0.006	0.89	waterline and fencing
6/15/2017	0	0	0.006	0.079	waterline
6/16/2017	0	0	-	-	waterline
6/17/2017	0	0	-	-	waterline
6/19/2017	0	0	-	-	waterline
6/20/2017	0	0	-	-	waterline
6/21/2017	0	0	0.004	0.094	waterline
6/22/2017	0	0	-	-	waterline
6/23/2017	0	0	0.007	0.068	waterline
6/26/2017	0	0	-	0.044	waterline
6/27/2017	0	0	-	0.027	waterline
6/28/2017	0	0	-	0.027	waterline and drain line
6/29/2017	0	0	-	0.031	waterline and drain line
6/30/2017	0	0	0.004	0.077	waterline and drain line
7/5/2017	0	0	-	0.052	waterline
7/6/2017	0	0	-	0.032	waterline
7/7/2017	0	0	-	-	waterline
7/10/2017	0	0	-	-	waterline
7/11/2017	0	0	-	-	waterline
7/12/2017	0	0	-	-	waterline
7/13/2017	0	0	-	-	waterline
7/14/2017	0	0	-	-	waterline
7/17/2017	0	0	-	-	waterline
7/18/2017	0	0	-	-	waterline
7/19/2017	0	0	-	0.032	waterline
7/20/2017	0	0	-	0.044	waterline and electrical line
7/21/2017	0	0	-	0.05	electrical line
7/24/2017	0	0	-	0.04	electrical line
7/25/2017	0	0.9	-	0.024	electrical line
7/26/2017	0	0	-	0.098	electrical line
7/27/2017	0	0.9	-	0.039	electrical line and final grading
7/28/2017	0	0.3	-	0.095	electrical and demobilizing
7/31/2017	0	0	-	0.045	electrical and demobilizing
8/1/2017	0	0	-	0.051	electrical line and final grading
8/2/2017	0	0	-	0.051	electrical line and final grading
8/3/2017	0	0	-	0.031	final grading and demobilizing
8/4/2017	0	0	-	0.031	final grading and demobilizing
8/7/2017	0	0	-	0.041	capping and final grading

Appendix K - Perimeter Air Monitoring Results Table 2
Dike Access Road
Providence, Rhode Island

Date	TVOC Max (ppm)	TVOC Min (ppm)	Dust Max (mg/m^3)	Dust Min (mg/m^3)	Work Areas
8/8/2017	0	0.2	-	0.022	capping and final grading
8/9/2017	0	0	-	0.32	capping and final grading
8/10/2017	0	0	-	0.053	capping and final grading
8/11/2017	0	0	-	0.062	capping and final grading
8/15/2017	0	0	-	0.094	capping and final grading
8/16/2017	0	0	-	0.094	capping and final grading
8/17/2017	0	0	-	0.025	capping and final grading
8/18/2017	0	0.2	-	0.05	paving and demobilizing
8/21/2017	0	0.2	-	0.05	paving and demobilizing
8/22/2017	0	0	-	0.057	demobilizing
8/23/2017	0	0.1	-	0.032	demobilizing
6/15/2018	0	0	-	0.024	paving
11/8/2018	0	0	0.01	0.017	repair erosion areas
11/9/2018	0	0.4	0.009	0.014	repair erosion areas and paving
6/3/2019	0	0	0.004	0.012	repair erosion areas
6/4/2019	0	0	0.004	0.006	repair erosion areas
6/5/2019	0	0	0.013	0.03	repair erosion areas
6/6/2019	0	0	0.007	0.036	repair erosion areas
6/7/2019	0	0	0.007	0.036	repair erosion areas

GZA GeoEnvironmental, Inc.