ENVIRONMENTAL SITE CHARACTERIZATION
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

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6 February 2020
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ENVIRONMENTAL SITE CHARACTERIZATION
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

1.0 INTRODUCTION

This Environmental Site Characterization (ESC) report was prepared for MidPen Housing Corporation (Client) for the for the two properties located at 400 East Fifth Avenue and 480 East Fourth Avenue in San Mateo, California (the "site"). The 400 East Fifth Avenue parcel is occupied with an asphalt parking lot and two buildings which were reportedly constructed at the southeast boundary of the parcel in 2003. The 480 East Fourth Avenue parcel is occupied by an asphalt parking lot. The general land use in the vicinity of the site is commercial and residential.

2.0 PROJECT DESCRIPTION

Proposed development activities include constructing an at-grade five-story parking garage on the 400 East Fifth Avenue parcel and one multi-story at-grade residential building with a courtyard in the middle on the 480 East Fourth Avenue parcel. The residential buildings will have a pedestrian bridge over East Fifth Avenue connecting to the parking garage.

3.0 SITE HISTORY

In June 2019, Langan performed an environmental peer review to review past and present land use practices, site conditions, and neighboring property land uses to independently evaluate the environmental conditions at the site and to confirm the applicability of the conclusions and recommendations provided in the existing previous reports. Based on a review of previous environmental records, we concluded that previous land use at the site included residential units, a lumber planning mill, and a car wash and maintenance facility, temporary fire station, as well as parking lot areas. The fire station was not used for on-site fire suppression purposes. The site has supported parking spaces from the early 1980s to present day.

4.0 PREVIOUS ENVIRONMENTAL INVESTIGATION

4.1 480 East Fourth Avenue

Based on the documentation reviewed, the 480 East Fourth Avenue property consisted of residences from about 1888 to 1891. A lumber planning mill was operated beginning approximately in 1910. The 480 East Fourth Avenue property was redeveloped and used as a service station and car wash for approximately 30 years, which was demolished in the early

1980s. Reportedly, two 4,000-gallon gasoline underground storage tanks (USTs) were removed from the northwestern portion of the property in 1985; however, no documentation is available regarding removal of the USTs.

On 1 October 1990, a 250-gallon diesel UST was removed from the eastern portion of the property. Two soil samples were collected from beneath the UST and a composite sample was collected from the stockpiled soil from the UST excavation; all samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX). TPHg was not detected in any of the soil samples; benzene and xylenes were reported at maximum concentrations of 0.013 and 0.0072 milligrams per kilograms (mg/kg), respectively. Based on the analytical results, San Mateo County Health Services Agency (SMCHSA) issued a No Further Action (NFA) letter for this UST on 14 January 1991.

In February 1995, six exploratory soil borings were advanced in the vicinity of the former 4,000-gallon USTs to maximum depths of 20 feet below the ground surface (bgs). TPHg, total petroleum hydrocarbons as diesel (TPHd), and benzene were reported at maximum concentrations of 140 mg/kg, 52 mg/kg, and 0.24 mg/kg, respectively, and an Unauthorized Release Report was subsequently prepared and submitted. Subsequently, in 1995, two groundwater investigations were conducted at the property, including the installation of one groundwater monitoring well (MW-1) and six temporary monitoring points. TPHg and benzene were detected with the highest concentrations in the vicinity of the former gasoline USTs. The maximum concentrations of TPHg and benzene were 78,000 micrograms per liter (µg/L) and 4,100 µg/L, respectively.

In January 1997, a sump was removed from the western portion of the property. Post-removal inspection noted no visible cracks, but a hole was apparent. Twelve metal drums were also present at the property, which reportedly contained solids generated by the contractor during emptying the sump prior to excavation. The contents of the drums were profiled, and transported for off-site disposal as hazardous waste based on elevated concentrations of lead.

In February 1997, an additional groundwater monitoring well (MW-2) was installed downgradient of MW-1, along with two additional exploratory soil borings. Groundwater monitoring well MW-2 was located to the east of, and hydrologically downgradient, of the former gasoline USTs.

The property was subsequently redeveloped in 1998 with an asphalt-paved parking lot and commercial building. In April 1998, oxygen-releasing compound (ORC) was injected in groundwater monitoring well MW-1. Groundwater monitoring was conducted at the property through 2000. A soil gas survey was conducted in August 2001, consisting of installation of two

soil vapor points, with samples collected at depths of three feet bgs and six feet bgs from each probe. TPHg and BTEX were not detected in any of the soil vapor samples analyzed.

Based on the source removal, investigation, delineation, and lack of migration to the down-gradient well (MW-2), the SMCHSA closed the case on 21 November2002. Following case closure, MW-1 and MW-2 were properly abandoned. At the time of case closure, elevated concentrations of TPHg and benzene remained in groundwater monitoring well MW-1 at concentrations of 18,700 µg/L and 2,900 µg/L, respectively. The case closure letter indicates that residual contaminated soil and groundwater remain at the property, and the San Mateo Building Department and Environmental Health Division must be contacted prior to any change in use of the property or development of the property. AEI's Phase I ESA did not identify any recognized environmental conditions (RECs) associated with the property. However, AEI identified the former release case, and associated case closure with notification requirements, as a controlled recognized environmental condition (CREC). In addition, AEI concluded that the elevated concentrations of benzene in groundwater exceed the then applicable 2016 environmental screening levels (ESLs) established by the Regional Water Quality Control Board (RWQCB) for the evaluation of vapor intrusion to indoor air, and may pose an unacceptable risk to future occupants of the property.

4.2 400 East Fifth Avenue

Based on a review of historical sources, the 400 East Fifth Avenue property consisted of agricultural land from 1888 to 1901, after which, the property was developed with railroad spurs from at least 1908 until 1993. An electrical substation has been adjacent to the northeast of the property since at least the 1950's. AEI stated that railroad tracks and spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material.

A Limited Phase II subsurface investigations was previously conducted at the property in 1997 by Subsurface Consultants, Inc. (SCI) to evaluate the potential for the historical use of the property as well as the adjacent electrical substation to impact the subsurface conditions. Chemicals of concern evaluated in the Phase II subsurface investigation included petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated byphenols (PCBs), and heavy metals. The analytical results indicated that the upper two feet of soil contained relatively low concentrations of petroleum hydrocarbons,

primarily in the heavy hydrocarbon range. No PCBs, VOCs, or SVOCs were detected in any of the samples, and the metals were found to be within background concentrations.

Groundwater beneath the property did not detect concentrations of dissolved petroleum hydrocarbons, PCBs or SVOCs in the samples analyzed. VOCs were not detected with the exception of chloroform, which was detected in one sample at a concentration slightly below the reporting limit (as noted in the AEI report).

AEI stated that they only reviewed an Executive Summary of the 1997 Limited Phase II subsurface investigation and not the entire report and therefore it is unknown how many samples were collected, at what concentrations contaminants were detected, or whether they would meet current standards for the intended development.

4.3 2018 Subsurface Investigation by AEI

On 8 and 9 October 2018, a total of 18 exploratory soil borings (B-7 through B-16 on the 480 East Fourth Avenue parcel and SB-1 through SB-8 on the 400 East Fifth Avenue parcel) were advanced. AEI contracted a State of California licensed drilling company, Environmental Control Associates of Aptos, California to advance each of the soil borings using a truck mounted direct-push drilling rig or portable direct-push drilling rig. The borings were advanced to depths between 4 and 24 feet bgs.

The exploratory soil borings on the 400 East Fifth Avenue parcel were advanced to four feet bgs and soil samples were collected for chemical analysis. One soil sample per boring collected at a depth of one foot bgs were analyzed for TPHg, TPHd, total petroleum hydrocarbons as motor oil (TPHmo), SVOCs, and metals. With the exception of arsenic, the samples analyzed did not have detections above their respective 2016 ESLs.

The exploratory soil borings on the 480 East Fourth Avenue parcel were advanced to depths ranging from five feet bgs to 24 feet bgs. Select soil samples collected at a shallow depth (one foot bgs) and deeper depths (18, 20 or 24 feet bgs) and were analyzed for TPHg, TPHd, TPHmo, and metals. Select soil samples were also analyzed for PCBs and VOCs.

Groundwater samples were proposed to be collected; however, no groundwater was encountered during AEI's investigation. According to historical reports, groundwater is at depths of approximately 15 to 20 feet bgs. Soil vapor samples were also collected and analyzed for VOCs and helium as a leak check.

Based on the time of the subsurface investigation and report, the soil and soil vapor analytical results were compared to the RWQCB residential and commercial/industrial ESLs associated with direct exposure human health risk levels in shallow soils (Table S-1, RWQCB, February 2016, revision 3). Langan has compared the data to the latest, January 2019 RWQCB ESLs, which are in most cases conservative than the 2016 ESLs.

4.3.1 400 East Fifth Avenue Soil Analytical Results

TPHg was not detected in the eight soil samples collected and analyzed at or above the laboratory reporting limit. TPHd was detected in one of the eight soil samples collected and analyzed, at a concentration of 113 mg/kg, which was below the 2016 residential ESL of 230 mg/kg. TPHmo detected in each of the eight soil samples collected and analyzed, the highest concentration was detected at 3,120 mg/kg, which is below the 2016 residential ESL of 11,000 mg/kg. The detected concentrations of TPHd and TPHmo are below their respective 2019 residential ESLs in the one-foot bgs samples analyzed.

No SVOC or PCB constituents were detected in the eight soil samples collected and analyzed at or above their respective laboratory reporting limits.

The metal arsenic was detected in one of the eight soil samples at a concentration of 3.78 mg/kg. The detected arsenic concentration exceeded the direct contact residential ESL of 0.067 mg/kg; however, the arsenic levels observed in the sample collected from the property were consistent with naturally occurring arsenic (4.3 – 5.2 mg/kg) as demonstrated by *USGS' Geochemical and Mineralogical Maps for the Conterminous United States* for the San Mateo area. Arsenic concentrations up to 11 mg/kg are considered background in the Bay Area. Therefore, the detected arsenic concentration from SB-7-1 appears to be within accepted naturally occurring background concentrations and no further action was warranted.

Barium, chromium, and lead were also detected in each of the borings but at concentrations below their respective direct exposure 2016 ESL limits. The remaining eight metals were not detected from any of the borings above the laboratory reporting limits.

4.3.2 480 East Fourth Avenue Soil Analytical Results

TPHg was not detected in the 16 soil samples collected and analyzed at or above the laboratory detection limit. TPHd was detected in eight of the 16 soil samples, with a maximum concentration of 31.3 mg/kg, which was below the 2016 residential ESL of 230 mg/kg. TPHmo was detected in seven of the 15 soil samples, with a maximum concentration of 1,960 mg/kg,

which is below the 2016 residential ESL of 11,000 mg/kg. The detected concentrations of TPHd and TPHmo are below their respective 2019 residential ESLs.

No VOCs or PCBs were detected in the soil samples collected and analyzed at or above their respective laboratory reporting limits.

Arsenic was detected in each of the 1-foot soil samples analyzed at concentrations ranging from 3.40 to 4.55 mg/kg. The detected arsenic concentrations exceeded the direct contact residential ESL of 0.067 mg/kg; however, the arsenic levels observed in samples collected from the property are consistent with naturally occurring arsenic, as noted above. Therefore, no further action was warranted.

Barium, chromium, and lead were detected in each of the borings but at concentrations below their respective direct exposure ESL limits. The remaining RCRA eight metals were not detected in the ten soil samples collected and analyzed at or above their respective laboratory reporting limits.

Soil Vapor Sample Analytical Results

Benzene was detected in six of the eight soil vapor samples collected at 5.5 feet bgs and analyzed, at concentrations between 2.7 to 5.2 micrograms per cubic meter ($\mu g/m^3$), which is below the 2016 residential ESL of 48 $\mu g/m^3$. The most recent (2019) residential ESL for benzene is 3.2 $\mu g/m^3$. Five of the six detections of benzene exceeded the 2019 residential ESL. Ethylbenzene was detected in one of the eight soil vapor samples collected and analyzed, at a concentration of 3.6 $\mu g/m^3$ in B-10, which is below the 2016 residential ESL of 560 $\mu g/m^3$ and the 2019 residential ESL of 37 $\mu g/m^3$.

Tetrachloroethylene (PCE) was detected in four of the eight soil vapor samples, at concentrations ranging between 3.5 $\mu g/m^3$ and 110 $\mu g/m^3$, which was below the 2016 residential ESL of 240 $\mu g/m^3$. Two of the four detections were above the 2019 residential PCE ESL of 15 $\mu g/m^3$. AEI stated that the source of the PCE could not be determined with the available information and results; however, it should be noted that one property upgradient and within approximately 186 feet of this area, has documented PCE and related solvent detections in soil and groundwater above current ESLs.

Several other VOCs were detected in soil vapor; however, none of the other detected VOCs exceeded their current applicable ESLs for vapor intrusion, where established. Helium, used as

a leak detection, was detected at concentrations ranging from 0.29% to 1.4% of the shroud, which is below the allowable 5%. Therefore, the soil vapor results are considered valid.

AEI concluded that based on the subsurface investigation results which were below the referenced 2016 ESLs, no further investigation was recommended. AEI stated that these properties are undergoing planning for redevelopment; currently those plans include structured parking on the 400 East Fifth Avenue property and a multifamily residential building on the 480 East Fourth Avenue property. Although significant impacts were not identified during the investigation, if soils are excavated from the properties for disposal, such soil may require proper management and disposal. In addition, due to the historical uses of these properties and findings of the investigations, it would be prudent that grading and earthwork be conducted under an appropriately developed Environmental Site Management Plan (ESMP).

4.3.3 2019 Site Management Plan

AEI prepared a Draft Site Management Plan (SMP) dated 9 January 2019, which applies to subsurface disturbances at the properties for the proposed development activities. The SMP summarized the site description and history, contaminants and areas of potential concerns, the proposed development, risk management measures and notifications and reporting.

5.0 SUBSURFACE CONDITIONS

Based on the borings advanced by AEI and Langan, the subsurface primarily consists of sandy clay and silty clays material in the upper five to ten feet and then underlain by a gravelly sand and sandy clays to depths explored.

During our investigation, groundwater was encountered in the borings at approximately 21 feet bgs. Groundwater flow direction is estimated to be to the east, in the direction of the San Francisco Bay.

6.0 SEPTEMBER 2019 FIELD INVESTIGATION BY LANGAN

Based on the review of AEI's 2018 subsurface investigation, Langan recommended further investigation to vertically delineate soil for proposed redevelopment. Based on the new (2019) regulatory guidance, Langan also recommended deeper soil vapor sampling and/or groundwater sampling to adequately characterize the previously detected PCE soil vapor impacts. Therefore, an environmental site characterization (ESC) was performed by Langan to evaluate the environmental quality of the soil, soil vapor, and groundwater that may be encountered during construction. In addition, several soil samples were analyzed for constituents to satisfy soil

profiling scenarios generally accepted by landfills, and a groundwater and soil vapor sample were analyzed to assess potential vapor intrusion concerns.

Between 11 September and 13 September 2019, and 23 November 2019, a total of 25 exploratory borings (EB-1 through EB-21, EB-01N, EB-01E, EB-01S, EB-01W) were advanced to depths from approximately five to 30 feet bgs, as shown on Figure 2. Prior to initiating the field activities, Underground Service Alert North 811 (USA North) was notified and a private utility locator was employed to confirm the boring locations were free of underground utilities prior to intrusive activities. Under permit from San Mateo County Department of Public Health (SMCDPH), all drilling activities were performed by Gregg Drilling and Testing, Inc. a C-57 licensed drilling company located in Martinez, California. The soil borings were visually logged by Langan in general accordance with the Unified Soil Classification System (USCS), working under the supervision of a California licensed professional geologist. The locations and depths of the soil borings were selected based on the proposed building footprints to provide roughly equal lateral and vertical coverage (where accessible), to characterize soil that will most likely be excavated during future development.

Soil samples were collected from each boring using a hydraulically driven direct push drill rig advancing continuous four-foot Macro-core tooling with an acetate sleeve to depths of approximately 5 to 30 feet bgs. Soil samples were collected at depths of approximately 0.5, 1.5, 3.0, and 5.0 feet bgs and logged continuously until the terminus of the boring. Borings EB-6, EB-11, and EB-16 were advanced to a depth of 30 feet bgs for the collection of groundwater samples. Approximately six-inch sample lengths were cut from the liners and ends were covered with Teflon, sealed with plastic end caps, labeled, and stored in an ice-cooled chest for delivery to Eurofins TestAmerica Laboratory (TestAmerica), a California Department of Health Services certified analytical laboratory in Pleasanton, California. All samples were delivered under chain-of-custody procedures. Boring logs from the exploratory borings drilled during this investigation are presented in Appendix A as Figures A-1 through A-25. The soil encountered was classified in general accordance with the soil classification chart in Appendix A figure Appendix A-26.

Two grab groundwater samples were collected from the following boring locations: EB-6-GW, and EB-11-GW. EB-16 was drilled to a depth of 30 feet bgs, but groundwater was not encountered, therefore no sample could be collected. Grab groundwater samples were collected directly into laboratory-supplied sample containers using disposable bailers. Samples were appropriately labeled and stored in an ice-cooled chest for delivery to TestAmerica.

Five temporary soil vapor points were installed and samples were collected at approximately five feet bgs and 19 feet bgs at boring locations EB-1, EB-5, EB-9, EB-12, EB-19. The soil vapor sampling was conducted in general accordance with procedures established by the Department of Toxic Substance Control (DTSC) *Advisory for Active Soil Gas Investigations* dated July 2015. The soil vapor samples were collected by advancing 1.75-inch diameter steel rods equipped with a retractable sampling tip advanced to a depth of approximately 12 feet bgs using a track-mounted hydraulically driven direct push drill rig. Disposable 1/4-inch diameter Teflon tubing was connected from the surface to the sampling tip. A sand filter pack was placed around the sampling tip to facilitate soil vapor collection. Hydrated bentonite chips were placed above the filter pack to the ground surface to seal the annular space.

After waiting at least two hours, three volumes of soil vapor were purged using a purge pump connected to the Teflon tubing. Helium was used as a tracer gas around the sampling assembly above the borehole during sampling as a quality assurance/quality control (QA/QC) measure to confirm the sample integrity. The soil vapor sample was collected in a one-liter laboratory supplied summa canister and sealed before delivery to Torrent Laboratory, Inc. (Torrent), a California Department of Health Services certified analytical laboratory in Milpitas, California.

Upon completion of the drilling and sampling, the boreholes were backfilled with neat cement grout under the supervision of the SMCDPH grout inspector. Excess soil and groundwater generated from the drilling and sampling event were containerized within 55-gallon drums for later disposal from site.

6.1 Soil Testing

The ESC sampling and soil analytical testing was chosen to evaluate previous analytical results and satisfy waste profiling scenarios generally accepted by landfills. Selected soil samples were analyzed for some or all of the following compounds listed below.

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) by EPA Method 8015M;
- Volatile organic compounds (VOCs) by EPA Method 8260B;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C;
- Asbestos by California Air Resource Board (CARB) 435 Method;
- Organochlorine pesticides (OCPs) by EPA Method 8081A;

- Polychlorinated biphenyls (PCBs) by EPA Method 8082;
- Leaking Underground Fuel Tank (LUFT) 5 heavy metals by EPA Method 6010;
- California Assessment Manual (CAM) 17 metals by EPA Method 6020; and
- Total lead by EPA Method 6020.

Soil samples with concentrations of any metal greater than ten times the soluble threshold limit concentration (STLC) were also analyzed for soluble metals using the California waste extraction test (WET) method. Any total threshold limit concentration (TTLC) exceeding 20 times the STLC value, or if the STLC value after analysis with the WET method exceeded the State of California hazardous waste criteria the sample was submitted for analysis by the Federal toxicity characteristic leaching potential (TCLP). These analyses were necessary to assess if metal concentrations in soil exceed State and/or Federal hazardous waste criteria.

6.2 Groundwater Testing

Groundwater was sampled and analyzed to evaluate potential vapor intrusion concerns. The two grab groundwater samples were analyzed for the following:

- TPHg, TPHd, and TPHmo by EPA Method 8015M;
- VOCs by EPA Method 8260B;
- SVOCs by EPA Method 8270C;
- Total CAM 17 metals by EPA Method E200.8;

6.3 Soil Vapor Testing

Ten soil vapor samples (shallow and deep samples at five locations) were collected to evaluate the potential for unacceptable vapor intrusion human health risks at the site. The soil vapor samples were analyzed for the following:

- VOCs by EPA Method TO-15;
- Helium by ASTM D-1946; and
- Oxygen and Carbon Dioxide by ASTM D-1946.

7.0 LABORATORY TEST RESULTS AND EVALUATION

The laboratory analytical results are discussed below and summarized on Tables 1 through 5. Copies of the certified laboratory analytical reports are presented in Appendix B.

7.1 Soil Analytical Results Non-Metals

Soil analytical results for parameters other than metals are summarized in Table 1.

TPHd was detected above the laboratory reporting limits at concentrations ranging from 2.02 mg/kg to 314 mg/kg in 21 of the 34 samples analyzed. The detected concentration of 314 mg/kg in EB-18-1.5, exceeded the residential non-cancer hazard exposure limit for shallow soils. None of the other detected concentrations of TPHd were above the screening limits. TPHmo was detected above the laboratory reporting limits at concentrations ranging from 10.2 mg/kg to 2,380 mg/kg in 24 of the 34 samples analyzed. None of the detected concentrations were above residential screening criteria. A total of ten SVOC compounds were detected [Benzo(a)Anthracene, Benzo(a)Pyrene, Benzo(b)Fluoranthene, Benzo(g,h,i)Perylene, Benzo(k)Fluoranthene, Chrysene, Fluoranthene, Naphthalene, Phenanthrene, and Pyrene] above the laboratory reporting limits at concentrations ranging from 0.0281 mg/kg to 0.163 mg/kg. None of the detections were above residential screening criteria. Additionally, no TPHg, VOCs, PCBs, OCPs, or asbestos were detected above laboratory reporting limits in any of the samples analyzed.

7.2 Soil Analytical Results Metals

The metal analytical results are summarized in Table 2. A total of 11 total metal compounds were detected (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) above the laboratory reporting limits at concentrations ranging from 0.37 mg/kg to 1,200 mg/kg. Total lead was detected at or above the laboratory reporting limits in each of the 27 samples analyzed for lead at concentrations ranging from 7.6 mg/kg to 1,200 mg/kg (Table 2). Total lead was detected in one sample (EB-20-1.5) at a concentration of 135 mg/kg, which is above 100 mg/kg (20 times the STLC) but below 1,000 mg/kg (TTLC). Total lead was detected in one sample, EB-4-0.5, at a concentration of 1,200 mg/kg, which is above the TTLC of 1,000 mg/kg. Total lead was detected in EB-4-1.5 and EB-4-3.0 at respective concentrations of 64 and 65 mg/kg, exceeding the 10 time STLC criteria. These samples were subsequently analyzed for STLC and TCLP to determine soluble lead levels. STLC lead was detected in samples EB-4-0.5 at a concentration of 73.4 milligrams per liter (mg/L), in EB-4-1.5 at a concentration of 2.78 mg/L, EB-4-3.0 at a concentration of 0.9 mg/L and in EB-20-1.5 at a

concentration of 2.44 mg/L. The STLC lead concentration of 73.4 mg/L in EB-4-0.5 exceeds the Class I non-Resource Conservation and Recovery Act (RCRA) State of California hazardous waste criteria of 5 mg/L (Table 2). TCLP lead was detected at a concentration of 0.58 mg/L in EB-4-0.5; this detected concentrations is below the Class I RCRA Federal hazardous waste criterion of 5 mg/L.

Total chromium was detected at or above the laboratory reporting limit in each of the 25 samples analyzed at concentrations ranging from 18.8 mg/kg to 150 mg/kg (Table 2). Total chromium was detected at concentrations above 50 mg/kg (10 times the STLC) in 15 of the soil samples analyzed. STLC chromium was detected in 4 of the 15 analyzed samples at a range of 0.23 to 0.437 mg/L, which are all below the Class I non-RCRA State of California hazardous waste criteria of 5 mg/L.

Total arsenic was detected in 12 out of the 14 samples analyzed at concentrations of 1.31 mg/kg to 137 mg/kg. Total arsenic was detected at a concentration above 100 mg/kg (10 times the STLC and TCLP) in one of the 14 soil samples analyzed (EB-20-1.5). STLC and TCLP arsenic was subsequently analyzed in EB-20-1.5; STLC arsenic was detected at a concentration of 1.76 mg/L and TCLP arsenic was not detected, which are both below the Class I non- RCRA State of California hazardous waste and Class I RCRA Federal hazardous waste criteria of 100 mg/L.

The remaining metal concentrations were within normal[1] background ranges found in the Bay Area[1].

7.3 Groundwater Analytical Results

The groundwater analytical results for non-metals are summarized in Table 3. TPHg was detected at a concentration of 163 µg/L in sample EB-6-GW and at a concentration of 80.6 µg/L in sample EB-11-GW. TPHd was detected at a concentration of 201 µg/L in sample EB-6-GW and at a concentration of 758 µg/L in sample EB-11-GW. TPHmo was detected at a concentration of 1,340 µg/L in sample EB-6-GW

A total of four VOC compounds were detected (chloroform, cis-1,2-dichloroethene, tetrachloroethylene, and trichloroethylene) above the laboratory reporting limits at concentrations ranging from 0.55 µg/L to 85 µg/L. PCE was detected at 85 µg/L and 23 µg/L in EB-6-GW and EB-11-GW, respectively, exceeding the residential ESL of 0.64 µg/L. TCE was detected at

[1] Environmental Resources Management. *Feasibility Study, Hookston Station, Pleasant Hill, California.* Appendix A, Table A-2, "Comparison of Background Concentrations of Metals in Bay Area Soils," July 2006.

4.7 µg/L and 2.4 µg/L in EB-6-GW and EB-11-GW, respectively, exceeding the residential ESL of 1.2 µg/L. No other VOCs were detected above laboratory reporting limits in the samples analyzed. No SVOCs or PCBs were detected above laboratory reporting limits in the groundwater samples analyzed.

Total metals were detected above laboratory reporting limits in the samples analyzed, and concentrations are summarized on Table 4. Total arsenic was detected in sample EB-6-GW at a concentration of 13.6 µg/L and in sample EB-11-GW at a concentration of 18.2 µg/L. Total barium was detected in sample EB-6-GW at a concentration of 530 µg/L and in sample EB-11-GW at a concentration of 2,470 µg/L. Total Chromium was detected at a concentration of 214 µg/L in sample EB-6-GW and in sample EB-11-GW at a concentration of 314 µg/L. Total cobalt was detected in sample EB-6-GW at a concentration of 47.1 µg/L and in sample EB-11-GW at a concentration of 211 µg/L. Total copper was detected in sample EB-6-GW at a concentration of 82 µg/L and in sample EB-11-GW at a concentration of 208 µg/L. Total lead was detected in sample EB-6-GW at a concentration of 11 µg/L and in sample EB-11-GW at a concentration of 23 µg/L. Total vanadium was detected in sample EB-6-GW at a concentration of 159 µg/L and in sample EB-11-GW at a concentration of 243 µg/L. Total zinc was detected in sample EB-6-GW at a concentration of 172 µg/L and in sample EB-11-GW at a concentration of 458 µg/L.

7.4 Soil Vapor Analytical Results

Soil vapor analytical results are presented in Table 5. During the September 2019 sampling event, 23 VOC compounds were detected above their respective laboratory reporting limits, including 1,1,1-trichloroethane, 1,2,4-trimethylbenzene, 1,3-dichlorobenzene, 2-hexanone, 2-propanol, 4-ethyltoluene, acetone, benzene, carbon disulfide, chloroform, cis-1,2-dichloroethene, ethyl acetate, hexane, MEK, methyl tert-butyl ether (MTBE), tert-butanol, tetrachloroethylene, trichloroethylene, toluene, and xylenes (m, p, o).

Benzene was detected in seven soil vapor samples at concentrations ranging from 4.7 µg/m^3 to 12 µg/m^3, which exceeds the residential cancer risk vapor intrusion ESL[2] of 3.2 µg/m^3. Chloroform was detected in soil vapor sample EB-5-SV at a concentration of 81 µg/m^3, which exceeds the residential cancer risk vapor intrusion ESL of 4.1 µg/m^3 and commercial/industrial cancer risk vapor intrusion ESL of 18 µg/m^3. PCE was detected in two soil vapor samples (EB-1S-SV and EB-12D-SV) at concentrations of 15 µg/m^3 and 110 µg/m^3, respectively, which is

[2] Residential Environmental Screening Levels (ESLs), San Francisco Bay Regional Water Quality Control Board (RWQCB), Vapor Summary, Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels, Residential (Table SG-1). January 2019

at or above the residential cancer risk vapor intrusion ESL of 15 µg/m^3 (in EB-12D-SV) and the commercial/industrial cancer risk vapor intrusion ESL of 67 (in EB-1S-SV). The remaining VOCs in soil vapor were below their respective 2019 ESLs. Higher laboratory reporting limits were noted in samples EB-5 and EB-12, due to dilutions required to report the samples.

Helium was used as a tracer gas around the sampling assembly and borehole during sampling as a QA/QC measure to confirm the sample integrity. Helium was detected at concentrations ranging between 0.59% and 3.1% in the sample analyzed. Oxygen was analyzed to assess the possibility of petroleum vapor intrusion bio-attenuation in the shallow soil zone beneath the Site. Oxygen was detected at concentrations ranging from 11 to 19 percent by volume (%V), indicating bio-attenuation conditions (Water Board's User Guide: Derivation and Application of Environmental Screening Levels (ESLs), interim final 2019).

8.0 ADDITIONAL SOIL-VAPOR SAMPLING - NOVEMBER 2019

The analytical results from the September sampling event indicated the presence of PCE above residential screening criteria in one soil vapor sample, EB-1. Elevated levels of PCE was also detected in the two groundwater samples collected at the site. To further evaluate the detections of PCE, step out soil vapor samples were collected 10-feet east, north, south and west of EB-1, at a depth of 5-feet bgs. Since there were higher reporting limits noted on shallow samples from EB-5 and EB-12, resampling was conducted at those two locations.

PCE was detected in all four step-out samples collected around EB-1, at concentrations at or exceeding the cancer risk vapor intrusion residential ESL. In the sample EB-01W-S-SV, collected 10 feet west of EB-1, PCE was detected at 15 µg/m^3; in the samples EB-01N-S-SV and EB-01E-S-SV, collected 10 feet north and east of EB-1, respectively, PCE was detected at 110 µg/m^3; and in the sample EB-01S-S-SV, collected 10 feet south of EB-1, PCE was detected at 23 µg/m^3. Benzene was detected in all six soil vapor samples at concentrations ranging from 2.7 µg/m^3 to 20 µg/m^3, exceeding the cancer risk vapor intrusion ESL. No other detections were above the current residential ESLs.

Helium was used as a tracer gas around the sampling assembly and borehole during sampling as a QA/QC measure to confirm the sample integrity. Helium was detected at concentrations ranging between 1.8% and 2.9% in the sample analyzed. Oxygen was analyzed to assess the possibility of petroleum vapor intrusion bio-attenuation in the shallow soil zone beneath the Site. Oxygen was detected above the laboratory reporting limit in the soil vapor samples analyzed at

concentrations ranging from 12 to 18 percent by volume (%V), indicating bio-attenuation conditions.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The results from Langan's 2019 ESC indicated that the site is underlain by a layer of fill material in the upper five feet bgs. State of California Class I non-RCRA hazardous waste was detected around EB-4 at a depth of approximately 0.5-1.5 feet bgs. Additional soil sampling may be necessary to delineate and reduce volumes of hazardous material for export off-site during construction.

Groundwater was encountered at approximately 21 feet bgs at the Site. If dewatering and removal of groundwater is required for construction, a permit should be obtained prior to any groundwater discharge. Based on the available data, it is unlikely that the groundwater would require treatment prior to disposal (excluding a settling tank for suspended solids). If the groundwater is to be discharged to storm drain(s), treatment may be necessary.

The soil vapor analytical results indicate that VOC compounds benzene, chloroform, and PCE were detected at concentrations exceeding their respective 2019 RWQCB ESLs for vapor intrusion, specifically in the samples collected from 480 East Fourth Avenue parcel. Additionally, the groundwater analytical results indicate the presence of VOC compounds, specifically PCE, above current ESLs. Benzene and chloroform were detected in the soil vapor samples. Chloroform and PCE were detected at low levels in the groundwater samples. Because these VOC compounds were not detected in soil samples collected from the site, the contamination is likely associated with an off-site source.

Per the Environmental Protection Agency (EPA) Technical Guidance for Addressing Petroleum Vapor Intrusion at Leaking Underground Storage Tank (LUST) Sites dated June 2015, Langan evaluated the potential for petroleum related VOCs in soil vapor to naturally biodegrade beneath the Site. Generally, petroleum related VOCs biodegrade rapidly under aerobic conditions, and if biodegradation is complete, it produces only water and carbon dioxide. No significant concentrations (greater than 100 mg/kg) of TPHg were detected in the shallow fill zone (less than six feet bgs). In addition, oxygen was detected at a concentrations up to 13%V at 19 feet bgs, which suggests a bioattenuation zone is present beneath the site. Given the concentration of oxygen and vertical separation distance, there is a potential for petroleum related VOCs (benzene) to biodegrade beneath the site.

Because hazardous fill material, and contaminated groundwater and soil vapor exists beneath the site, a Site Mitigation Plan (SMP) and a Health and Safety Plan (HASP) (prepared by others) should be completed and implemented prior to the proposed construction. The SMP will provide recommended measures to mitigate the long-term environmental or health and safety (H&S) risks caused by the presence of hazardous fill material and contaminated groundwater beneath the site. The HASP will outline proper soil and groundwater handling procedures and health and safety requirements to minimize worker and public exposure to hazardous fill material and contaminated groundwater during construction. The presence of hazardous fill material and contaminated groundwater pose soil and groundwater management and potential health risks to be addressed as part of the Site development activities. The SMP objectives will be to minimize exposure to construction workers, nearby residents and/or pedestrians, and future Site users to constituents in the soil and groundwater.

Based on the results from the soil gas sampling activities at the subject property, the soil gas concentrations in the samples collected from 480 East Fourth Avenue parcel slightly exceed the established human health risk-based environmental screening levels for residential exposure. The proposed development includes construction of one multifamily at-grade residential building with a courtyard in the middle on the 480 East Fourth Avenue parcel. Langan believes that the measured contaminant concentrations in soil vapors do not militate a recommendation for the installation of active vapor mitigation systems or sub-slab depressurization systems. However, due to the proposed residential occupancy, we recommend including the installation of vapor barriers and/or passive venting beneath the multifamily at-grade residential building on the 480 East Fourth Avenue parcel. Due to lack of significant detections, the at-grade five-story parking garage on the 400 East Fifth Avenue parcel does not require vapor mitigation.

10.0 LIMITATIONS

Descriptions of specific field activities and historical events are based on our observations and on information provided by others. The opinions and information presented in this report apply to site conditions and the information that was available at the time the work was performed and do not apply to changes of which we are not aware or have not had the opportunity to evaluate. Langan makes no guarantees or warranties with respect to the accuracy or completeness of this information.

REFERENCES

Environmental Resources Management. *Feasibility Study, Hookston Station, Pleasant Hill, California. Appendix A, Table A-2, "Comparison of Background Concentrations of Metals in Bay Area Soils,"* dated July 2006.

San Francisco Bay Regional Water Quality Control Board, *Environmental Screening Levels* dated 24 January 2019.

AEI Consultants, *Phase I Environmental Site Assessment, 400 East Fifth Avenue and, San Mateo, California* dated 31 July 2018.

AEI Consultants, *Phase I Environmental Site Assessment, 480 East Fourth Avenue, San Mateo, California* dated 31 July 2018.

AEI Consultants, *Limited Phase II Environmental Subsurface Investigation, 400 East Fifth Avenue and 480 East Fourth Avenue, San Mateo, California dated* 29 November 2018.

AEI Consultants, *Draft Site Management Plan, 400 East Fifth Avenue and 480 East Fourth Avenue, San Mateo, California* dated 9 January 2019.

TABLES

Table 1
Soil Analytical Results for Non-Metals
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

Sample ID	Sample Depth (feet bgs)	Date Sampled	TPH			VOCs	SVOCs											OCPs	PCBs	Asbestos
			TPHg	TPHd	TPHmo	All VOCs	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) Fluoranthene	Benzyl Alcohol	Chrysene	Fluoranthene	Phenanthrene	Pyrene	All Other SVOCs	All Other OCPs	Total PCBs	
			(mg/kg)																	%
EB-2-0.5	0.5	9/13/2019	< 0.10	4.49	18.1	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	ND	ND	ND
EB-2-1.5	1.5	9/13/2019	< 0.10	3.57	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	–	–	–
EB-3-0.5	0.5	9/13/2019	< 0.10	< 8.0	130	ND	0.0529	0.0748	0.0956	0.0693	0.0281	0.163 J	0.0701	0.0851	0.0529	0.105	ND	–	–	–
EB-3-3.0	3.0	9/13/2019	< 0.10	< 2.0	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	–	–	–
EB-4-0.5	0.5	9/13/2019	< 0.10	2.75	< 10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-4-5.0	5.0	9/13/2019	< 0.10	< 2.0	< 10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-6-1.5	1.5	9/11/2019	< 0.10	3.07	10.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-6-3.0	3.0	9/11/2019	< 0.10	2.02	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	–	–	ND
EB-7-1.5	1.5	9/13/2019	< 0.10	2.17	11.9	ND	–	–	–	–	–	–	–	–	–	–	ND	ND	ND	–
EB-7-5.0	5.0	9/13/2019	< 0.10	2.69	< 10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-8-0.5	0.5	9/13/2019	< 0.10	11.6	327	ND	< 8.00	< 8.00	< 8.00	< 8.00	< 8.00	< 16.0	< 8.00	< 8.00	< 8.00	< 8.00	ND	–	–	ND
EB-8-3.0	3.0	9/13/2019	< 0.10	< 2.0	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	ND	ND	–
EB-10-1.5	1.5	9/12/2019	< 0.10	3.31	13.3	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	ND	ND	–
EB-10-3.0	3.0	9/12/2019	< 0.10	2.25	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	ND	ND	–
EB-11-0.5	0.5	9/11/2019	< 0.10	150	2,380	ND	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 40.0	< 20.0	< 20.0	< 20.0	< 20.0	ND	–	–	–
EB-11-1.5	1.5	9/11/2019	< 0.10	4.63	27.9	–	–	–	–	–	–	–	–	–	–	–	–	ND	ND	–
EB-13-0.5	0.5	9/12/2019	< 0.10	135	1,400	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-13-3.0	3.0	9/12/2019	< 0.10	< 4.0	66.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-14-1.5	1.5	9/13/2019	< 0.10	8.76	14.1	–	–	–	–	–	–	–	–	–	–	–	–	ND	ND	–
EB-14-5.0	5.0	9/13/2019	< 0.10	< 8.0	59.9	ND	< 0.576	< 0.576	< 0.576	< 0.576	< 0.576	0.18 J	< 0.576	< 0.576	< 0.576	< 0.576	ND	–	–	ND
EB-15-0.5	0.5	9/11/2019	< 0.10	< 40	934	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-15-1.5	1.5	9/11/2019	< 0.10	< 8.0	150	ND	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 8.00	< 4.00	< 4.00	< 4.00	< 4.00	ND	ND	ND	ND
EB-16-0.5	0.5	9/11/2019	< 0.10	< 100	1,600	ND	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 40.0	< 20.0	< 20.0	< 20.0	< 20.0	ND	–	–	–
EB-16-3.0	3.0	9/11/2019	< 0.10	6.93	12.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-17-1.5	1.5	9/11/2019	< 0.10	19.1	105	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-17-3.0	3.0	9/11/2019	< 0.10	3.43	< 10	ND	< 0.144	< 0.144	< 0.144	< 0.144	< 0.144	< 0.288	< 0.144	< 0.144	< 0.144	< 0.144	ND	–	–	ND
EB-18-0.5	0.5	9/11/2019	< 0.10	< 100	949	ND	–	–	–	–	–	–	–	–	–	–	–	ND	ND	–
EB-18-1.5	1.5	9/11/2019	< 0.10	**314**	418	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-20-1.5	1.5	9/11/2019	< 0.10	28	254	ND	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 8.00	< 4.00	< 4.00	< 4.00	< 4.00	ND	ND	ND	ND
EB-20-3.0	3.0	9/11/2019	< 0.10	4.45	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
EB-21-0.5	0.5	9/11/2019	< 0.10	< 40	715	ND	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 40.0	< 20.0	< 20.0	< 20.0	< 20.0	ND	–	–	ND
EB-21-1.5	1.5	9/11/2019	< 0.10	34.5	392	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Screening Criteria																				
Residential ESLs - Cancer Risk[1]			–	–	–	Various	1.1	0.11	1.1	–	11	–	120	–	–	–	Various	Various	0.23	–
Residential ESLs - Non-Cancer Hazard[2]			430	260	12,000	Various	–	18	–	–	–	–	–	2,400	–	1,800	Various	Various	–	–
Commercial / Industrial ESLs - Cancer Risk[3]			–	–	–	Various	20	2.1	21	–	210	–	2,100	–	–	–	Various	Various	0.94	–
Commercial / Industrial ESLs - Non-Cancer Hazard[4]			2,000	1,200	180,000	Various	–	220	–	–	–	–	–	30,000	–	23,000	Various	Various	–	–

Notes:

TPHg - Total Petroleum Hydrocarbons as Gasoline, EPA Method 8015M
TPHd - Total Petroleum Hydrocarbons as Diesel Range, EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil Range, EPA Method 8015M
VOCs - Volatile Organics, EPA Method SW8260B
SVOCs - Semi-Volatile Organics
OCPs - Organochlorine Pesticides, EPA Method 8081
PCBs - Polychlorinated Biphenyls, EPA Method 8082

mg/kg - milligrams per kilogram
"–" - Not analyzed or criteria not established
ND - Not detected
< 0.10 - Analyte was not detected above the laboratory reporting limit (RL) (0.10 mg/kg)
Bold - Concentration exceeds the lower of the Cancer Risk or Non-Cancer Risk Residential ESLs.
J - Indicates a value between the method MDL (Method Detection Limit) and PQL (Practical Quantitation Limit) and that the reported concentration should be considered as estimated rather than quantitative

[1] - San Francisco Bay Regional Water Quality Control Board (RWQCB), Direct Exposure Human Health Risk Levels (Table S-1), Soil Residential: Shallow Soil Exposure, Cancer Risk Environmental Screening Levels, dated January 2019
[2] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Residential: Shallow Soil Exposure, Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[3] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Commercial/Industrial: Shallow Soil Exposure, Cancer Risk Environmental Screening Levels, dated January 2019
[4] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Commercial/Industrial: Shallow Soil Exposure, Non-Cancer Hazard Environmental Screening Levels, dated January 2019

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Table 2
Soil Analytical Results for Metals
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

Sample ID	Sample Depth	Date Sampled	Antimony	Arsenic	Arsenic (STLC)	Arsenic (TCLP)	Barium	Beryllium	Cadmium	Chromium	Chromium (STLC)	Chromium (TCLP)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/kg)		(mg/L)		(mg/kg)				(mg/L)		(mg/kg)			(mg/L)		(mg/kg)							
EB-2-0.5	0.5	9/13/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-2-1.5	1.5	9/13/2019	< 5.00	**1.88**	--	--	100	< 5.00	< 5.00	45.6	--	--	11.1	17.8	10.2	--	--	< 0.083	< 5.00	37.2	< 5.00	< 5.00	< 5.00	48	42.6
EB-3-0.5	0.5	9/13/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-3-3.0	3.0	9/13/2019	< 5.00	**2.26**	--	--	112	< 5.00	< 5.00	73.5	< 0.01	--	20.1	31.6	8.2			< 0.083	< 5.00	55.5	< 5.00	< 5.00	< 5.00	73	45.2
EB-4-0.5	0.5	9/13/2019	--	--	--	--	--	--	1.0	55	0.316	--	--	--	***1,200***	***73.4***	0.58	--	--	48	--	--	--	--	330
EB-4-1.5	1.5	9/13/2019	--	--	--	--	--	--	--	--	--	--	--	--	***64***	2.78		--	--	48	--	--	--	--	330
EB-4-3.0	3	9/13/2019	--	--	--	--	--	--	--	--	--	--	--	--	***65***	0.9		--	--	48	--	--	--	--	330
EB-4-5.0	5.0	9/13/2019	--	--	--	--	--	--	0.83	110	< 0.01	< 0.01	--	--	25	--	--	--	--	110	--	--	--	--	69
EB-6-1.5	1.5	9/11/2019	--	--	--	--	--	--	0.43	63	< 0.01	--	--	--	13	--	--	--	--	52	--	--	--	--	59
EB-6-3.0	3.0	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-7-1.5	1.5	9/13/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-7-5.0	5.0	9/13/2019	< 5.00	< 1.30	--	--	158	< 5.00	< 5.00	97	< 0.01	--	22.7	51.5	8.15	--	--	< 0.083	< 5.00	89	< 5.00	< 5.00	< 5.00	93	60
EB-8-0.5	0.5	9/13/2019	< 5.00	**3.28**	--	--	104	< 5.00	< 5.00	37.4	--	--	10.6	28.4	30.6	--	--	< 0.083	< 5.00	36	< 5.00	< 5.00	< 5.00	44	66.5
EB-8-3.0	3.0	9/13/2019	--	--	--	--	--	--	0.70	97	< 0.01	--	--	--	19.0	--	--	--	--	89	--	--	--	--	71
EB-10-1.5	1.5	9/12/2019	< 5.00	**3.76**	--	--	129	< 5.00	< 5.00	53.5	0.240	--	13.7	28.8	19.3	--	--	< 0.083	< 5.00	43.6	< 5.00	< 5.00	< 5.00	56	59.5
EB-10-3.0	3.0	9/12/2019	--	--	--	--	--	--	0.70	150	0.230	< 0.01	--	--	10	--	--	--	--	80	--	--	--	--	57
EB-11-0.5	0.5	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-11-1.5	1.5	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-13-0.5	0.5	9/12/2019	< 5.00	**1.6**	--	--	84.5	< 5.00	< 5.00	70.5	0.437	--	16.7	29.3	8.9	--	--	< 0.083	< 5.00	52	< 5.00	< 5.00	< 5.00	50.5	38
EB-13-3.0	3.0	9/12/2019	--	--	--	--	--	--	0.74	93	< 0.01	--	--	--	11	--	--	--	--	58	--	--	--	--	56
EB-14-1.5	1.5	9/13/2019	--	--	--	--	--	--	0.35	67	< 0.01	--	--	--	8.3	--	--	--	--	50	--	--	--	--	45
EB-14-5.0	5.0	9/13/2019	< 5.00	< 1.30	--	--	167	< 5.00	< 5.00	128	< 0.01	< 0.01	21.8	54	9.05	--	--	< 0.083	< 5.00	104	< 5.00	< 5.00	< 5.00	101	65.5
EB-15-0.5	0.5	9/11/2019	--	--	--	--	--	--	0.3	28	--	--	--	--	9.6	--	--	--	--	25	--	--	--	--	39
EB-15-1.5	1.5	9/11/2019	< 5.00	**1.31**	--	--	65	< 5.00	< 5.00	18.8	--	--	11.6	86.5	16.8	--	--	< 0.083	< 5.00	15.4	< 5.00	< 5.00	< 5.00	63.5	45.4
EB-16-0.5	0.5	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EB-16-3.0	3.0	9/11/2019	< 5.00	**2.24**	--	--	120	< 5.00	< 5.00	60	< 0.01	--	14	24.4	8.05	--	--	< 0.083	< 5.00	48.9	< 5.00	< 5.00	< 5.00	60.5	64
EB-17-1.5	1.5	9/11/2019	< 5.00	**2.01**	--	--	33.8	< 5.00	< 5.00	36.6	--	--	9.2	20.2	19.1	--	--	< 0.083	< 5.00	31	< 5.00	< 5.00	< 5.00	49.7	41.5
EB-17-3.0	3.0	9/11/2019	--	--	--	--	--	--	0.4	61	< 0.010	--	--	--	7.6	--	--	--	--	48	--	--	--	--	51
EB-18-0.5	0.5	9/11/2019	< 5.00	**14.7**	--	--	111	< 5.00	< 5.00	31.1	--	--	8.3	37.4	29.5	--	--	< 0.083	< 5.00	31	< 5.00	< 5.00	< 5.00	40.5	54.5
EB-18-1.5	1.5	9/11/2019	--	--	--	--	--	--	0.6	41	--	--	--	--	43	--	--	--	--	34	--	--	--	--	96
EB-20-1.5	1.5	9/11/2019	5.25	***137***	1.76	< 0.40	76.5	< 5.00	< 5.00	27.6	--	--	8.0	89	***135***	2.44	< 0.20	< 0.083	< 5.00	38	< 5.00	< 5.00	< 5.00	39.8	99
EB-20-3.0	3.0	9/11/2019	--	--	--	--	--	--	0.37	51	< 0.01	--	--	--	8.5	--	--	--	--	42	--	--	--	--	51
EB-21-0.5	0.5	9/11/2019	< 5.00	**2.2**	--	--	112	< 5.00	< 5.00	26.2	--	--	8.15	28.4	7.65	--	--	< 0.083	< 5.00	27.7	< 5.00	< 5.00	< 5.00	41.7	33
EB-21-1.5	1.5	9/11/2019	< 5.00	**13**	--	--	64	< 5.00	< 5.00	20.3	--	--	5.4	24.4	41.6	--	--	< 0.083	< 5.00	22.8	< 5.00	< 5.00	< 5.00	23.9	58
Screening Criteria																									
Residential ESLs - Cancer Risk[1]			--	0.067	--	--	--	1,600	910	--	--	--	420	--	82	--	--	--	--	15,000	--	--	--	--	--
Residential ESLs - Non-Cancer Hazard[2]			11	0.26	--	--	15,000	16	78	--	--	--	23	3,100	80	--	--	13	390	820	390	390	0.78	390	23,000
Commercial / Industrial ESLs - Cancer Risk[3]			--	0.31	--	--	--	6,900	4,000	--	--	--	1,900	--	380	--	--	--	--	64,000	--	--	--	--	--
Commercial / Industrial ESLs - Non-Cancer Hazard[4]			160	3.6	--	--	220,000	230	1,100	--	--	--	350	47,000	320	--	--	190	5,800	11,000	5,800	5,800	12	5,800	350,000
Hazardous Waste Criteria																									
TTLC		mg/kg	500	500	--	--	10,000	75	100	2,500	--	--	8,000	2,500	1,000	--	--	20	3,500	2,000	100	500	700	2,400	5,000
STLC		mg/L	15	5	5	--	100	0.75	1	5	5	--	80	25	--	5	--	0.2	350	20	1	5	7	24	250
TCLP		mg/L	--	5	--	5	100	--	1	5	--	5	--	--	--	--	5	0.2	--	--	1	5	--	--	--
Background Metal Concentrations[5]			1.5-7.1	1.2-31	--	--	41-411	0.29-1.1	0.27-3.3	10-142	--	--	6.5-25.5	5.4-100	4.8-65	--	--	0.07-0.6	0.33-11.4	16-144	< 0.25-7	0.2-2.2	< 0.25-42.5	22-90	33-282

Notes:
TTLC - California Total Threshold Limit Concentration - State hazardous waste criterion
STLC - California Soluble Threshold Limit Concentration
TCLP - Federal Toxicity Characteristic Leaching Procedure
Bold - Concentration exceeds the lower of the Cancer Risk or Non-Cancer Risk ESLs if established.
Bold - Concentration exceeds one or multiple of the Hazardous Waste Criteria.
Bold - Concentration exceeds the higher of the Cancer Risk or Non-Cancer Risk ESLs if established.
Bold **-** Concentration exceeds the higher of the Cancer Risk or Non-Cancer Risk ESLs if established, as well as the hazardous waste criteria.
mg/kg - milligrams per kilogram
mg/L - milligrams per liter
< 0.5 - Analyte was not detected above the laboratory reporting limit (0.5 mg/kg).
"--" - Not analyzed or criteria not established

[1] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Residential: Shallow Soil Exposure, Cancer Risk Environmental Screening Levels, dated January 2019
[2] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Residential: Shallow Soil Exposure, Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[3] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Commercial/Industrial: Shallow Soil Exposure, Cancer Risk Environmental Screening Levels, dated January 2019
[4] - RWQCB, Direct Exposure Human Health Risk Levels (Table S-1), Soil Commercial/Industrial: Shallow Soil Exposure, Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[5] - Background Metals Concentration in Soil in Northern Santa Clara County (Scott, 1995).

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Table 3
Groundwater Analytical Results for Volatiles
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

Sample ID	Date Sampled	TPHg	TPHd	TPHmo	Chloroform	cis-1,2-DCE	PCE	TCE	All other VOCs	All SVOCs	PCBs
Units		µg/L									
EB-6-GW	9/12/2019	**163**	**201**	< 220	0.55	5.3	**85**	**4.7**	ND	ND	ND
EB-11-GW	9/12/2019	80.6	**758**	1,340	**0.82**	2.0	**23**	**2.4**	ND	ND	ND
Residential ESLs - Cancer Risk[1]		--	--	--	0.81	--	0.64	1.2	Various	Various	0.29
Residential ESLs - Non-Cancer Hazard[2]		--	--	--	680	49	58	5.2	Various	Various	--
Commercial / Industrial ESLs - Cancer Risk[3]		--	--	--	3.6	--	2.8	7.5	Various	Various	1.3
Commercial / Industrial ESLs - Non-Cancer Hazard[4]		--	--	--	2,900	210	240	22	Various	Various	--
Tier 1 ESLs[5]		100	100	--	0.81	6	0.64	1.2	Various	Various	0.00017

Notes:

TPHg - Total Petroleum Hydrocarbons as Gasoline, EPA Method 8015M
TPHd - Total Petroleum Hydrocarbons as Diesel Range, EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil Range, EPA Method 8015M
VOCs - Volatile organic compounds
SVOCs - Semi-Volatile Organics
µg/L - Micrograms per liter
< 220 - Analyte was not detected at or above the laboratory reporting limit (220 µg/L)
" --" - Not analyzed or Not Detected
ND - Not detected
Bolded concentrations meets or exceed Tier 1 ESLs

[1] - RWQCB, Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3), Residential: Cancer Risk Environmental Screening Levels, dated January 2019
[2] - RWQCB, Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3), Residential: Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[3] - RWQCB, Groundwater Vapor Instrusion Human Health Risk Levels (Table GW-3), Commercial/Industrial: Cancer Risk Environmental Screening Levels, dated January 2019
[4] - RWQCB, Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3), Commercial/Industrial: Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[5] - RWQCB January 2019 Tier 1 ESLs used where residential or commercial ESLs not established

Table 4
Groundwater Analytical Results for Metals
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

Sample ID	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(µg/L)																
EB-6-GW	9/12/2019	< 5.0	13.6	530	< 1.0	< 2.0	214	47.1	82	11	< 0.20	< 2.0	321	< 7.0	< 4.0	< 4.0	159	172
EB-11-GW	9/12/2019	< 5.0	18.2	2,470	< 1.0	< 2.0	314	211	208	23	< 0.20	< 2.0	728	< 7.0	< 4.0	< 4.0	243	458
Screening Criteria																		
Tier 1 ESLs[1]		1,500	10	1,000	2.7	0.25	180	3	3.1	3	0.025	100	8.2	0.5	0.19	2.00	19	81

Notes:
mg/L - milligrams per liter
< 0.5 - Analyte was not detected above the laboratory reporting limit (0.5 mg/kg).
"--" - Not analyzed or criteria not established
[1] - RWQCB January 2019 Tier 1 ESLs used where residential or commercial ESLs not established

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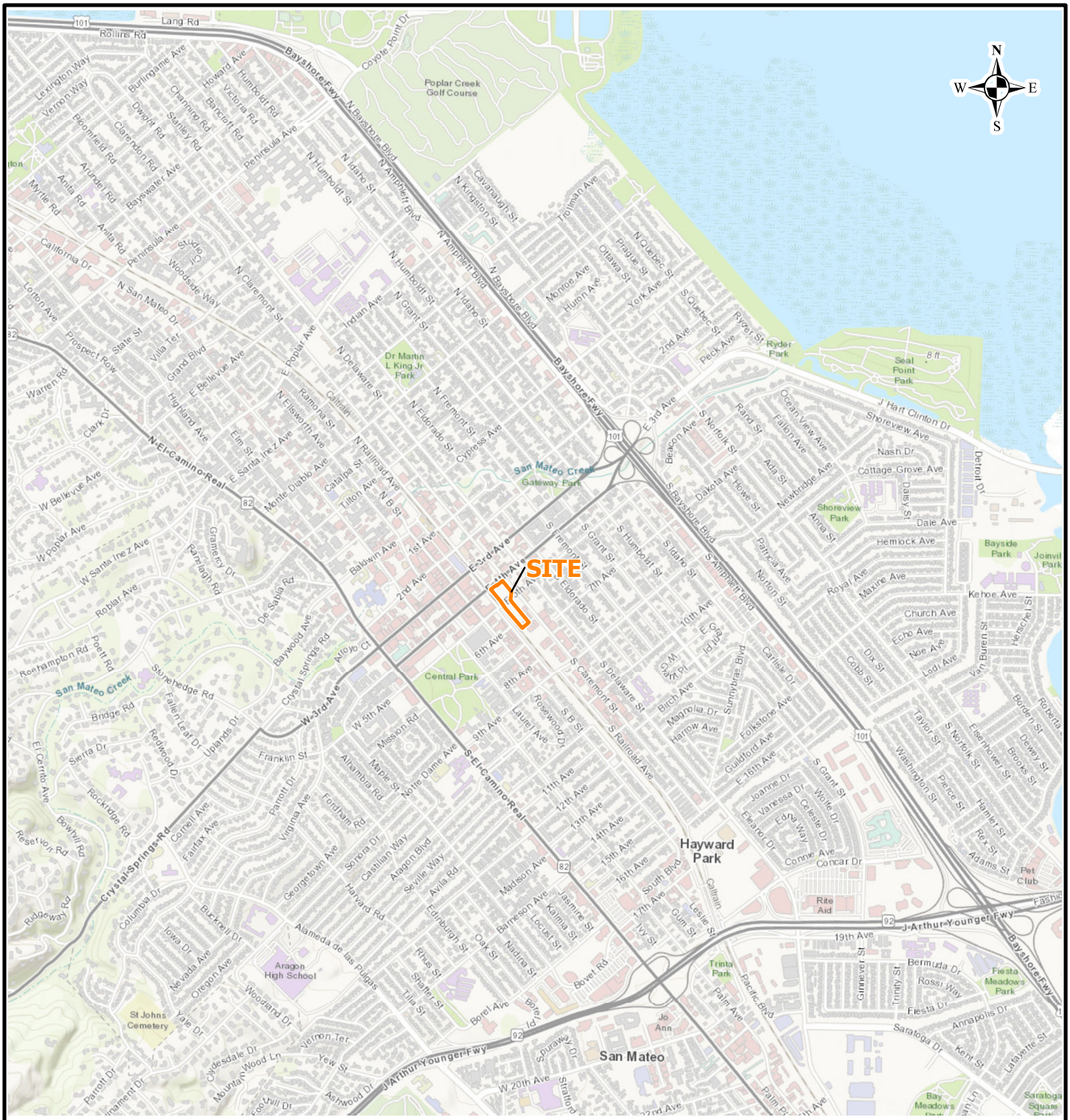
Table 5
Soil Gas Analytical Results
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California

Sample ID	Date Sampled	Depth (feet)	Acetone	Benzene	1,3-Butadiene	Carbon Disulfide	Chloroform	cis-1,2-Dichloroethene	1,3-Dichlorobenzene	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Hexane	2-Hexanone	MEK	MIBK	MTBE	2-Propanol (Isopropyl Alcohol)	tert-Butanol	TCE	Toluene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (M,P)	Xylene (O)	PCE	All Other VOCs	Carbon Dioxide	Carbon Monoxide	Oxygen	Helium	Methane	Nitrogen
			µg/m³																										%v					
EB-1S-SV	09/13/19	5	580	< 13.0	< 10	< 11.0	< 29.0	< 0.83	< 40.0	< 14.0	< 19.0	< 16.0	80	< 20.0	1,000	< 22.0	< 13.0	< 38.0	160	< 24.0	270	< 24.0	< 18.0	< 9.0	< 29.0	< 9.1	**110**	ND	–	–	–	3.7	–	–
DUP-1-SV	09/13/19	5	640	< 13.0	< 10	< 11.0	< 29.0	< 25.0	< 40.0	< 14.0	< 19.0	< 16.0	180	< 20.0	1,000	< 22.0	< 13.0	< 38.0	190	< 24.0	310	< 24.0	< 18.0	< 9.0	< 29.0	< 9.1	< 44.0	ND	–	–	–	0.69	–	–
EB-1D-SV	09/13/19	19	180	**5.1**	< 0.34	5.6	< 0.97	< 0.83	< 1.3	< 0.48	2.2	< 0.55	13	< 0.65	15	< 0.75	< 0.44	< 1.3	14	< 0.81	39	< 0.79	< 0.60	< 0.3	6.9	3.30	14	ND	< 0.049	< 0.096	12	0.61	< 0.011	42
EB-5S-SV	09/13/19	5	< 21.0	< 24.0	< 0.34	< 20.0	< 52.0	< 45	< 72.0	< 26.0	< 34.0	< 29.0	< 25.0	< 35.0	< 21	< 40.0	< 24.0	< 1.3	< 33.0	< 44.0	490	< 43.0	< 32.0	< 16	< 53.0	< 16.0	< 79.0	ND	1.8	< 0.071	11	1.8	< 0.018	43
EB-5D-SV	09/13/19	19	220 E	**7.9**	< 0.34	7.9	< 0.97	< 0.83	< 1.3	< 0.48	3.5	3	41	< 0.65	27	< 0.75	< 0.44	< 1.3	47	< 0.81	38	6.1	2.9	< 0.3	11	5.00	9	ND	–	–	–	2.7	–	–
EB-8S-SV	09/13/19	5	250	2.0	< 0.34	9.9	< 0.97	< 0.83	29	< 0.48	< 0.63	< 0.55	51	< 0.65	30	< 0.75	< 0.44	< 1.3	28	< 0.81	45	< 0.79	< 0.60	< 0.3	6.5	2.20	6.6	ND	–	–	–	0.59	–	–
EB-8D-SV	09/13/19	19	300	**7.8**	< 0.34	18	< 0.97	< 0.83	19	< 0.48	2.6	< 0.55	55	< 0.65	23	< 0.75	< 0.44	< 1.3	20	< 0.81	55	< 0.79	< 0.60	< 0.3	7.7	2.70	8.2	ND	–	–	–	0.73	–	–
EB-12S-SV	09/13/19	5	280 J	**4.70 J**	< 9.8	< 11.0	< 28.0	< 24.0	< 38.0	< 14.0	24 J	< 16.0	89	< 19.0	360	37 J	24 J	< 37.0	< 18.0	< 23.0	91	< 23.0	< 17.0	< 8.6	99	38 J	< 42.0	ND	1,100	< 0.23	13	1.3	< 0.023	44
EB-12D-SV	09/13/19	19	88	**7.1**	< 0.34	4.9	2.4	< 0.83	< 1.3	< 0.48	4.8	< 0.55	17	6.0	14	< 0.75	< 1.8	< 1.3	6.1	15	18	< 0.79	< 2.2	< 0.3	20	7.90	**15**	ND	–	–	–	1.7	–	–
EB-19S-SV	09/13/19	5	200	**12**	< 0.34	17	< 0.97	< 0.83	< 1.3	3.4	3.8	< 0.55	26	< 0.65	31	7.6	< 0.44	< 1.3	14	< 0.81	37	3.3	4.5	< 0.3	12	5.20	3.6	ND	–	–	–	3.1	–	–
EB-19D-SV	09/13/19	19	91	**10**	< 0.34	12	**81**	11	< 1.3	< 0.48	< 0.63	< 0.55	32	5.3	18	< 0.75	< 0.44	32	14	4.2	31	< 0.79	< 0.60	< 0.3	6.4	2.50	13	ND	6.1	< 0.22	19	2.3	< 0.026	66
EB-01W-S-SV	11/23/19	5	57	**4**	1.1	2.1	< 0.97	< 0.83	< 1.3	< 0.48	< 0.63	< 0.55	8.1	< 0.65	6.2	< 0.75	< 0.44	< 1.3	35	< 0.81	31	< 0.79	< 0.6	< 0.3	4.5	< 0.3	**15**	ND	0.36	< 0.12	17	2.9	< 0.014	77
EB-01N-S-SV	11/23/19	5	< 0.4	2.7	< 0.34	2.9	< 0.97	< 0.83	< 1.3	< 0.48	< 0.63	< 0.55	6.5	< 0.65	< 0.39	< 0.75	< 0.44	< 1.3	< 0.62	< 0.81	48	< 0.79	< 0.6	< 0.3	< 0.98	< 0.3	**110**	ND	2.6	< 0.08	16	1.8	< 0.0096	78
EB-01E-S-SV	11/23/19	5	39	**20**	< 0.34	7.4	< 0.97	< 0.83	< 1.3	< 0.48	3.4	< 0.55	7.7	< 0.65	< 0.39	2.5	< 0.44	< 1.3	< 0.62	< 0.81	17	< 0.79	< 0.6	< 0.3	8.6	4.4	**110**	ND	< 0.057	< 0.11	17	2.7	< 0.013	78
EB-01S-S-SV	11/23/19	5	71	**3.3**	< 0.34	2.2	< 0.97	< 0.83	< 1.3	< 0.48	< 0.63	< 0.55	7.2	< 0.65	< 0.39	< 0.75	< 0.44	< 1.3	< 0.62	< 0.81	4	< 0.79	< 0.6	< 0.3	3.3	< 0.3	**23**	ND	< 0.062	< 0.12	18	2.8	< 0.015	78
EB-05R-S-SV	11/23/19	5	170	**9.1**	< 0.34	4.5	< 0.97	< 0.83	< 1.3	< 0.48	3.9	< 0.55	23	< 0.65	38	< 0.75	< 0.44	< 1.3	5.8	< 0.81	11	9.2	< 0.6	< 0.3	16	5.5	4.2	ND	1.6	< 0.088	12	2.2	< 0.011	77
EB-12R-S-SV	11/23/19	5	32	**5**	< 0.34	< 0.37	< 0.97	< 0.83	< 1.3	< 0.48	2.5	17	< 0.46	< 0.65	7	< 0.75	< 0.44	< 1.3	2.3	< 0.81	5.8	< 0.79	30	6.60	9.9	4.50	6	ND	2.8	< 0.077	15	1.8	< 0.0091	76
Residential ESLs - Cancer Risk[1]			--	3.2	NE	NE	4.1	--	NE	NE	37	NE	NE	NE	--	--	360	NE	NE	16	--	--	NE	NE	--	--	15	Various	NE	NE	NE	NE	NE	NE
Residential ESLs - Non-Cancer Hazard[2]			1,100,000	100	NE	NE	3,400	280	NE	NE	35,000	NE	NE	NE	170,000	110,000	100,000	NE	NE	70	10,000	35,000	NE	NE	3,500	3,500	1,400	Various	NE	NE	NE	NE	NE	NE
Commercial / Industrial ESLs - Cancer Risk[3]			--	14	NE	NE	18	--	NE	NE	169	NE	NE	NE	--	--	1,600	NE	NE	100	--	--	NE	NE	--	--	67	Various	NE	NE	NE	NE	NE	NE
Commercial / Industrial ESLs - Non-Cancer Hazard[4]			4,500,000	440	NE	NE	14,000	1,200	NE	NE	150,000	NE	NE	NE	730,000	440,000	440,000	NE	NE	290	44,000	150,000	NE	NE	15,000	15,000	5,800	Various	NE	NE	NE	NE	NE	NE

Notes:
Bold text indicates analyte detected at or above residential ESLs
Bold text indicates analyte detected at or above residential and commercial ESLs
"--" - Not applicable
µg/m³- Micrograms per cubic meter
%v - Percent by volume
E - Estimated value, indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument
ND - Not detected above laboratory reporting limits
NE - Environmental screening level not established
PCE - Tetrachloroethylene
VOCs - Volatile organic compounds
[1] - RWQCB, Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1), Residential: Cancer Risk Environmental Screening Levels, dated January 2019
[2] - RWQCB, Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1), Residential: Non-Cancer Hazard Environmental Screening Levels, dated January 2019
[3] - RWQCB, Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1), Commercial/Industrial: Cancer Risk Environmental Screening Levels, dated January 2019
[4] - RWQCB, Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels (Table SG-1), Commercial/Industrial: Non-Cancer Hazard Environmental Screening Levels, dated January 2019

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FIGURES



Legend

Approximate site boundary

Notes:
1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online Copyright: © 2011 National Geographic Society, i-cubed.

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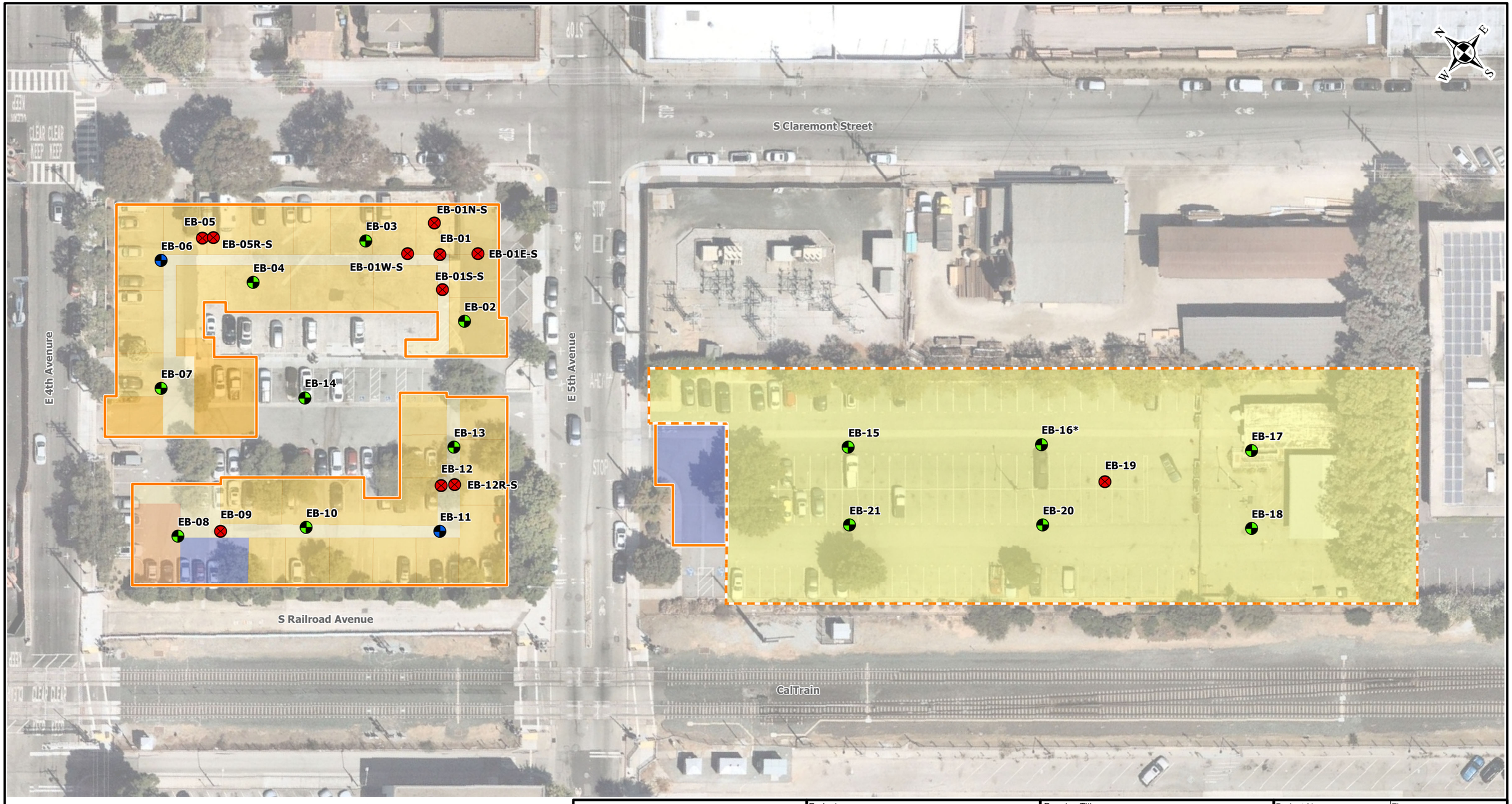
Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International, LLC

Collectively known as Langan

Project	DOWNTOWN SAN MATEO CITY OF SAN MATEO SAN MATEO COUNTY CALIFORNIA
Drawing Title	SITE LOCATION MAP
Project No.	770654001
Date	1/2/2020
Scale	1 " = 2,000 '
Drawn By	JNE
Figure	1

© 2019 Langan

Path: \\langan.com\data\SJO\data0\770654001\Project Data\ArcGIS\MXD\Environmental_Figures\Figure 1- Site Location.mxd



Legend

- Soil Sampling Boring
- Soil and GW Sampling Boring
- Soil Vapor Probe
- Garage
- Building
- 2 - Dwelling Units
- 3 - Residential Entry
- 4 - Community Space
- 6 - Community Serving Area
- 7 - Property Management

Notes:
1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown 8/29/2019.
2. All features shown are approximate.
3. Shading within building outlines in accordance with "Downtown Opportunity Sites, San Mateo, CA" provided by BAR Architects, dated 10/30/2017.
4. * - Sample drilled to depth of 30 feet for groundwater sampling; no water detected in sample location.

50 0 50
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Langan International LLC

Collectively known as Langan

Project
DOWNTOWN SAN MATEO
CITY OF SAN MATEO
SAN MATEO COUNTY CALIFORNIA

Drawing Title
SITE PLAN

Project No.	770654001
Date	1/7/2020
Scale	1 " = 50 '
Drawn By	OG

Figure 2

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Path: \\langan.com\data\SJO\data0\770654001\Project Data\ArcGIS\MXD\Environmental_Figures\Figure 2 - Sampling Plan 20191120.mxd

APPENDIX A

BORING LOGS

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-1

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: Date finished:

Drilling method: Direct Push (DP)

Hammer weight/drop: NA Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-1-0.5	●					6 inches Concrete
1	EB-1-1.5	●		36/ 48		SC	SANDY CLAY (SC) 25% sand, 20% gravel, 55% clay, medium brown, soft to medium stiff, slightly moist, semiconsolidated, no odor
2							
3	EB-1-3.0	●					
4				24/ 24			
5	EB-1-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

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Project No.: 770654001 Figure: A-1

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-2

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-2-0.5	●					6 inches Concrete
1	EB-2-1.5	●		36/ 48		SC	CLAYEY SAND (SC) 10% gravel, 55% sand, 35% clay, brown, moist, slightly consolidated, fine sand
2							
3	EB-2-3.0	●					
4				24/ 24			
5	EB-2-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

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Project No.: 770654001 | Figure: A-2

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-3

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-3-0.5	●					6 inches Concrete
1	EB-3-1.5	●		36/ 42		SC	SANDY CLAY (SC) 25% sand, 20% gravel, 55% clay, medium brown, soft to medium stiff, slightly moist, semiconsolidated, no odor
2							
3	EB-3-3.0	●					
4				24/ 24			
5	EB-3-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-3

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-4

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-4-0.5	●					6 inches Concrete
1	EB-4-1.5	●		36/ 42		SC	SANDY CLAY (SC) 25% sand, 20% gravel, 55% clay, medium brown, soft to medium stiff, slightly moist, semiconsolidated, no odor
2							
3	EB-4-3.0	●					
4				24/ 24			
5	EB-4-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-4

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-5

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: Date finished:

Drilling method: Direct Push (DP)

Hammer weight/drop: NA Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-4-0.5	●					6 inches Concrete
1	EB-4-1.5	●		36/ 48		SC	SANDY CLAY (SC) 25% sand, 20% gravel, 55% clay, medium brown, soft to medium stiff, slightly moist, semiconsolidated, no odor
2							
3	EB-4-3.0	●					
4							
5	EB-4-5.0	●		24/ 24			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 Figure: A-5

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-6

Boring location: See Sampling Plan, Figure 2
Logged by: MF
Drilled By: Gregg Drilling
Date started: 9/11/19
Date finished: 9/12/19
Drilling method: Direct Push (DP)
Hammer weight/drop: NA
Hammer type: NA
Sampler: Continuous

DEPTH (feet)	Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-6-0.5	●					6 inches Concrete
1	EB-6-1.5	●		36/ 42		SC	SANDY CLAY (SC) 65% clay, 10% gravel, 25% sand, medium brown, soft to medium stiff, slightly moist, semiconsolidated, no odor
3	EB-6-3.0	●					
5	EB-6-5.0	●		48/ 48		GC	GRAVELLY SAND (GC) 30% gravel
8							15% clay, 25% gravel, 10YR 5/6, gravel up to 0.12 inch diameter, plastic, medium stiff
9				48/ 48			
13				48/ 48		SC	SANDY CLAY (SC) 20% black sand, 65% clay, 15% gravel, medium brown, very stiff, moist, non plastic, no odor, increasing moisture with depth
17				48/ 48			
19				48/ 48			

LANGAN

Project No.: 770654001
Figure: A-6a

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-6

DEPTH (feet)	SAMPLES: Sample ID	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
21							SANDY CLAY (SC) (continued)
22				48/ 48			
23							▽
24							
25				48/ 48		SC	
26							
27							
28				24/ 24			
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

Boring terminated at a depth of 30 feet below ground surface.
Groundwater encountered at 23.5 feet below ground surface during drilling.

LANGAN

Project No.: 770654001

Figure: A-6b

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-7

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-7-0.5	●					4 inches Asphalt
1	EB-7-1.5	●		36/ 48			SILTY SAND with GRAVEL (GC) brown, 10-15% gravel, dry, non plastic, fine-grained
2							
3	EB-7-3.0	●				GC	SANDY CLAY with GRAVEL (GC) light brown, 20% gravel, slightly consolidated, dry, non plastic, stiff
4							
5	EB-7-5.0	●		24/ 24			GRAVELLY SAND (GC) 30% gravel, 20% fines, 50% sand, light brown, dry, consolidated
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-7

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-8

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-8-0.5	●					6 inches Asphalt
							FILL
1	EB-8-1.5	●					gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2				36/ 48			SANDY CLAY (SC) dark brown, 20% gravel, 50% sand, 30% fines, some pink gravel observed around 2 feet below ground surface, medium dense, stiff, medium plasticity, dry to moist with depth
3	EB-8-3.0	●				SC	
4							
5	EB-8-5.0	●		24/ 24			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-8

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-9

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/12/19 | Date finished: 9/12/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							6 inches Asphalt
1							FILL gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2				36/ 48			
3							SANDY CLAY (SC) dark brown, 20% gravel, 50% sand, 30% fines, some pink gravel observed around 2 feet below ground surface, medium dense, stiff, medium plasticity, dry to moist with depth
4							
5				48/ 48			
6							
7							
8							
9				48/ 48			
10							
11						SC	
12							
13				48/ 48			
14							
15							
16							
17				48/ 48			
18							
19							
20							

Boring terminated at a depth of 19.5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-9

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-10

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/12/19 | Date finished: 9/12/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-10-0.5	●					4 inches Asphalt
							FILL gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
1	EB-10-1.5	●		36/ 48			SANDY CLAY with GRAVEL (GC) light brown, some laminations, non plastic, loose, dry, 50% sand, 25% gravel, 25% clay, no odor
2							
3	EB-10-3.0	●				GC	
4				24/ 24			
5	EB-10-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-10

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-11

Boring location: See Sampling Plan, Figure 2
Logged by: MF
Drilled By: Gregg Drilling
Date started: 9/11/19 Date finished: 9/11/19
Drilling method: Direct Push (DP)
Hammer weight/drop: NA Hammer type: NA
Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-10-0.5						4 inches Asphalt
1	EB-10-1.5			40/ 48			FILL gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2							
3	EB-10-3.0						SANDY CLAY with GRAVEL (GC) very stiff, dry, consolidated, yellow-brown, 5% gravel, 80% sand, 15% fines, low plasticity
4							
5	EB-10-5.0						
6				48/ 48			
7							
8							
9							
10				48/ 48			
11						GC	
12							
13							
14				48/ 48			
15							
16							
17							
18				48/ 48			
19							
20							

LANGAN

Project No.: 770654001 Figure: A-11a

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-11

DEPTH (feet)	SAMPLES: Sample ID	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
21							SANDY CLAY with GRAVEL (GC) (continued)
22				48/ 48			
23							
24							
25						GC	
26				48/ 48			
27							
28							
29				24/ 24			
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

Boring terminated at a depth of 30 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.:	Figure:
770654001	A-11b

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-12

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/12/19 | Date finished: 9/12/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6 inches Asphalt
1							FILL gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2				36/ 48			
3							SANDY CLAY (SC) dark brown, 20% gravel, 50% sand, 30% fines, some pink gravel observed around 2 feet below ground surface, mdeium dense, stiff, medium plasticity, dry to moist with depth
4							
5				48/ 48			
6							
7							
8							
9				48/ 48			
10							
11						SC	
12							
13				48/ 48			
14							
15							
16							
17				48/ 48			
18							
19							
20							

Boring terminated at a depth of 19.5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-12

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-13

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/12/19 | Date finished: 9/12/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-13-0.5	●					4 inches Asphalt
							FILL
1	EB-13-1.5	●		36/ 48			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2							CLAYEY SAND (SC)
							light brown turning yellow qith depth, dry, loose, 20% angular gravel, 60% sand,
3	EB-13-3.0	●				SC	20% clay, no plasticity, no odor
4				24/ 24			
5	EB-13-5.0	●					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-13

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-14

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-14-0.5	●					4 inches Asphalt
							FILL
1	EB-14-1.5	●					gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2				36/ 48			CLAYEY SAND (SC)
	EB-14-3.0	●					light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand,
3						SC	20% clay, no plasticity, no odor
4							
	EB-14-5.0	●					
5				24/ 24			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 6 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-14

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-15

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-15-0.5	●					4 inches Asphalt
							FILL
1	EB-15-1.5	●		36/ 48			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							CLAYEY SAND (SC)
2						SC	light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand, 20% clay, no plasticity, no odor
3	EB-15-3.0	●					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-15

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-16

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-16-0.5	●					4 inches Asphalt
							FILL
1	EB-16-1.5	●		36/ 48			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							SANDY CLAY (SC)
2							dark brown to yellow-brown at depth, loose, dry to slightly moist, slightly consolidated, increasing stiffness with depth
3	EB-16-3.0	●					
4							
5							
6				48/ 48			
7							
8							
9							
10				48/ 48		SC	
11							
12							
13							
14				48/ 48			
15							
16							
17							
18				48/ 48			
19							
20							

LANGAN

Project No.: 770654001 | Figure: A-16a

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-16

DEPTH (feet)	SAMPLES: Sample ID	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
20							SANDY CLAY (SC) (continued)
21							
22				48/ 48			
23							
24							
25						SC	
26				48/ 48			
27							
28							
29				24/ 24			
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

Boring terminated at a depth of 30 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-16b

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-17

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-17-0.5	●					4 inches Asphalt
							FILL
1	EB-17-1.5	●		34/ 44			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							CLAYEY SAND (SC)
2							light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand, 20% clay, no plasticity, no odor
	EB-17-3.0	●				SC	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-17

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-18

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-18-0.5	●					4 inches Asphalt
							FILL
1	EB-18-1.5	●		34/ 44			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							CLAYEY SAND (SC)
2						SC	light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand, 20% clay, no plasticity, no odor
	EB-18-3.0	●					
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-18

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-19

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/13/19 | Date finished: 9/13/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							4 inches Asphalt
1							FILL gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
2				36/ 48			SANDY CLAY (SC) dark brown to yellow-brown at depth, loose,dry to slightly moist, slightly consolidated and laminated, increasing stiffness with depth
3							
4							
5				48/ 48			
6							
7							
8							
9				48/ 48			
10						SC	
11							
12							
13				48/ 48			
14							
15							
16							
17				48/ 48			
18							
19							
20							

Boring terminated at a depth of 19.5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-19

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-20

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-20-0.5	●					4 inches Asphalt
							FILL
1	EB-20-1.5	●		34/ 44			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							CLAYEY SAND (SC)
2						SC	light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand, 20% clay, no plasticity, no odor
3	EB-20-3.0	●					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-20

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-21

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 9/11/19 | Date finished: 9/11/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0	EB-21-0.5	●					4 inches Asphalt
							FILL
1	EB-21-1.5	●		34/ 44			gray, well sorted, 30% gravel, 60% sand, 30% fines, dry, loose
							CLAYEY SAND (SC)
2						SC	light brown turning yellow with depth, dry, loose, 20% angular gravel, 60% sand, 20% clay, no plasticity, no odor
3	EB-21-3.0	●					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-21

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-01E-S

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 11/23/19 | Date finished: 11/23/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							6 inches Concrete
1–5				36/ 42 24/ 24		SC	SANDY CLAY (SC) red-brown, dry to slightly moist, stiff, dense, non plastic, laminated 5-10% gravel, 60% fines, 30-35% sand
6–20							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-22

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-01N-S

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 11/23/19 | Date finished: 11/23/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							6 inches Concrete
1–5				36/ 42 24/ 24		SC	SANDY CLAY (SC) red-brown, dry to slightly moist, stiff, dense, non plastic, laminated 5-10% gravel, 60% fines, 30-35% sand
6–20							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-23

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-01S-S

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 11/23/19 | Date finished: 11/23/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							6 inches Concrete
1–5				36/ 42 24/ 24		SC	SANDY CLAY (SC) red-brown, dry to slightly moist, stiff, dense, non plastic, laminated 5-10% gravel, 60% fines, 30-35% sand
6–20							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-24

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

PROJECT: **DOWNTOWN SAN MATEO**
San Mateo, California

Log of Boring EB-01W-S

Boring location: See Sampling Plan, Figure 2

Logged by: MF
Drilled By: Gregg Drilling

Date started: 11/23/19 | Date finished: 11/23/19

Drilling method: Direct Push (DP)

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample ID	Sample	Blow Count	Recovery (Inches)	PID (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6 inches Concrete
1–5				36/ 42 24/ 24		SC	SANDY CLAY (SC) red-brown, dry to slightly moist, stiff, dense, non plastic, laminated 5-10% gravel, 60% fines, 30-35% sand
5–20							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.

LANGAN

Project No.: 770654001 | Figure: A-25

TEST ENVIRONMENTAL INCHES 770654001_DOWNTOWN SAN MATEO ESC.GPJ T&R.GDT 1/8/20

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size	**Gravels** (More than half of coarse fraction > no. 4 sieve size)	**GW**	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	**SW**	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	**Silts and Clays** LL = < 50	**ML**	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	**MH**	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		**PT**	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	**Grain Size in Millimeters**
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.075
coarse	No. 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.075
Silt and Clay	Below No. 200	Below 0.075

Unstabilized groundwater level

Stabilized groundwater level

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push or Drive sampler

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.5-inch inside diameter

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

LANGAN

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International, LLC

Collectively known as Langan

Project
DOWNTOWN SAN MATEO
SAN MATEO
SAN MATEO CALIFORNIA

Drawing Title
CLASSIFICATION CHART

Project No. 770643302
Date 1/8/2020

Figure
A-26

APPENDIX B

CERTIFIED ANALYTICAL LABORATORY REPORTS

Langan
555 Montgomery Street, Suite 1300
San Francisco, California 94111
Tel: 415-955-9040

RE:

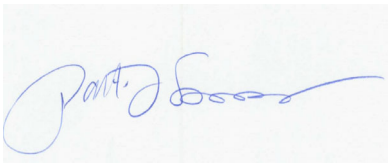
Work Order No.: 1909128

Dear Peter Cusack:

Torrent Laboratory, Inc. received 11 sample(s) on September 16, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Patti L Sandrock
QA Officer

September 25, 2019
Date

Date: 9/25/2019

Client: Langan

Project:

Work Order: 1909128

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 09/16/19
Date Reported: 09/25/19

EB-12S-SV 1909128-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	4.6	0.010	0.046	1.3%
Carbon Dioxide	D1946	4.6	0.046	0.23	1.1%
Oxygen	D1946	4.6	0.049	0.23	13%
Nitrogen	D1946	4.6	0.12	0.23	44%
Acetone	ETO15	28.8	11	340	280
Hexane	ETO15	28.8	13	51	89
MTBE	ETO15	28.8	13	52	24
2-Butanone (MEK)	ETO15	28.8	11	42	360
Benzene	ETO15	28.8	13	46	15
Toluene	ETO15	28.8	22	54	91
4-Methyl-2-Pentanone (MIBK)	ETO15	28.8	21	59	37
Ethyl Benzene	ETO15	28.8	18	63	24
m,p-Xylene	ETO15	28.8	28	63	99
o-Xylene	ETO15	28.8	8.7	63	38

EB-12D-SV 1909128-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	6.4	0.014	0.064	1.7%
Carbon Disulfide	ETO15	1	0.37	1.6	4.9
Hexane	ETO15	1	0.46	1.8	17
tert-Butanol	ETO15	1	0.62	1.5	6.1
Chloroform	ETO15	1	0.97	2.4	2.4
2-Butanone (MEK)	ETO15	1	0.39	1.5	14
Benzene	ETO15	1	0.44	1.6	7.1
Toluene	ETO15	1	0.75	1.9	18
Tetrachloroethylene	ETO15	1	1.5	3.4	15
2-Hexanone	ETO15	1	0.65	2.1	6.0
Ethyl Benzene	ETO15	1	0.63	2.2	4.8
m,p-Xylene	ETO15	1	0.98	2.2	20
o-Xylene	ETO15	1	0.30	2.2	7.9
Acetone	ETO15	6.4	2.5	76	88

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 09/16/19
Date Reported: 09/25/19

EB-8S-SV 1909128-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	4.6	0.010	0.046	0.59%
Carbon Disulfide	ETO15	1	0.37	1.6	9.9
Hexane	ETO15	1	0.46	1.8	51
tert-Butanol	ETO15	1	0.62	1.5	28
2-Butanone (MEK)	ETO15	1	0.39	1.5	30
Benzene	ETO15	1	0.44	1.6	2.0
Toluene	ETO15	1	0.75	1.9	45
Tetrachloroethylene	ETO15	1	1.5	3.4	6.6
m,p-Xylene	ETO15	1	0.98	2.2	6.5
o-Xylene	ETO15	1	0.30	2.2	2.2
1,3-Dichlorobenzene	ETO15	1	1.3	3.0	29
Acetone	ETO15	13.8	5.5	160	250

EB-8D-SV 1909128-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	3.8	0.0085	0.038	0.73%
Carbon Disulfide	ETO15	1	0.37	1.6	18
Hexane	ETO15	1	0.46	1.8	55
tert-Butanol	ETO15	1	0.62	1.5	20
2-Butanone (MEK)	ETO15	1	0.39	1.5	23
Benzene	ETO15	1	0.44	1.6	7.8
Toluene	ETO15	1	0.75	1.9	55
Tetrachloroethylene	ETO15	1	1.5	3.4	8.2
Ethyl Benzene	ETO15	1	0.63	2.2	2.6
m,p-Xylene	ETO15	1	0.98	2.2	7.7
o-Xylene	ETO15	1	0.30	2.2	2.7
1,3-Dichlorobenzene	ETO15	1	1.3	3.0	19
Acetone	ETO15	10	4.0	120	300

EB-5S-SV 1909128-005

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	3.6	0.0081	0.036	1.8%
Carbon Dioxide	D1946	3.6	0.036	0.18	1.8%
Oxygen	D1946	3.6	0.038	0.18	11%
Nitrogen	D1946	3.6	0.094	0.18	43%
Toluene	ETO15	54	41	100	490

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 09/16/19
Date Reported: 09/25/19

EB-5D-SV 1909128-006

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	12.5	0.028	0.13	2.7%
Carbon Disulfide	ETO15	1	0.37	1.6	7.9
Acetone	ETO15	1	0.40	12	220
Hexane	ETO15	1	0.46	1.8	41
tert-Butanol	ETO15	1	0.62	1.5	47
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	6.1
2-Butanone (MEK)	ETO15	1	0.39	1.5	27
Benzene	ETO15	1	0.44	1.6	7.9
Toluene	ETO15	1	0.75	1.9	38
Tetrachloroethylene	ETO15	1	1.5	3.4	9.0
Ethyl Benzene	ETO15	1	0.63	2.2	3.5
m,p-Xylene	ETO15	1	0.98	2.2	11
o-Xylene	ETO15	1	0.30	2.2	5.0
4-Ethyl Toluene	ETO15	1	0.55	2.5	3.0
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	2.9

EB-1S-SV 1909128-007

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	5.4	0.012	0.054	3.7%
Acetone	ETO15	30	12	360	580
Hexane	ETO15	30	14	53	80
tert-Butanol	ETO15	30	19	45	160
2-Butanone (MEK)	ETO15	30	12	44	1000
Toluene	ETO15	30	23	57	270
Tetrachloroethylene	ETO15	30	44	100	110

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 09/16/19
Date Reported: 09/25/19

EB-1D-SV 1909128-008

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	4.9	0.011	0.049	0.61%
Oxygen	D1946	4.9	0.052	0.25	12%
Nitrogen	D1946	4.9	0.13	0.25	42%
Carbon Disulfide	ETO15	1	0.37	1.6	5.6
Hexane	ETO15	1	0.46	1.8	13
tert-Butanol	ETO15	1	0.62	1.5	14
2-Butanone (MEK)	ETO15	1	0.39	1.5	15
Benzene	ETO15	1	0.44	1.6	5.1
Toluene	ETO15	1	0.75	1.9	39
Tetrachloroethylene	ETO15	1	1.5	3.4	14
Ethyl Benzene	ETO15	1	0.63	2.2	2.2
m,p-Xylene	ETO15	1	0.98	2.2	6.9
o-Xylene	ETO15	1	0.30	2.2	3.3
Acetone	ETO15	4.9	1.9	58	180

EB-19S-SV 1909128-009

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	18.2	0.041	0.18	3.1%
Carbon Disulfide	ETO15	1	0.37	1.6	17
Acetone	ETO15	1	0.40	12	200
Hexane	ETO15	1	0.46	1.8	26
tert-Butanol	ETO15	1	0.62	1.5	14
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	3.3
2-Butanone (MEK)	ETO15	1	0.39	1.5	31
Ethyl Acetate	ETO15	1	0.48	1.8	3.4
Benzene	ETO15	1	0.44	1.6	12
Toluene	ETO15	1	0.75	1.9	37
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	7.6
Tetrachloroethylene	ETO15	1	1.5	3.4	3.6
Ethyl Benzene	ETO15	1	0.63	2.2	3.8
m,p-Xylene	ETO15	1	0.98	2.2	12
o-Xylene	ETO15	1	0.30	2.2	5.2
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	4.5

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 09/16/19
Date Reported: 09/25/19

EB-19D-SV 1909128-010

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	11.3	0.025	0.11	2.3%
Carbon Dioxide	D1946	11.3	0.11	0.57	6.1%
Oxygen	D1946	11.3	0.12	0.57	19%
Nitrogen	D1946	11.3	0.30	0.57	66%
Carbon Disulfide	ETO15	1	0.37	1.6	12
2-Propanol (Isopropyl Alcohol)	ETO15	1	1.3	12	32
Acetone	ETO15	1	0.40	12	91
Hexane	ETO15	1	0.46	1.8	32
tert-Butanol	ETO15	1	0.62	1.5	14
cis-1,2-Dichloroethene	ETO15	1	0.83	2.0	11
Chloroform	ETO15	1	0.97	2.4	81
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	24
2-Butanone (MEK)	ETO15	1	0.39	1.5	18
Benzene	ETO15	1	0.44	1.6	10
Trichloroethylene	ETO15	1	0.81	2.7	4.2
Toluene	ETO15	1	0.75	1.9	31
Tetrachloroethylene	ETO15	1	1.5	3.4	13
2-Hexanone	ETO15	1	0.65	2.1	5.3
m,p-Xylene	ETO15	1	0.98	2.2	6.4
o-Xylene	ETO15	1	0.30	2.2	2.5

DUP-1-SV 1909128-011

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	3.5	0.0078	0.035	0.95%
Acetone	ETO15	30	12	360	640
Hexane	ETO15	30	14	53	180
tert-Butanol	ETO15	30	19	45	190
2-Butanone (MEK)	ETO15	30	12	44	1000
Toluene	ETO15	30	23	57	310

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12S-SV	**Lab Sample ID:**	1909128-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:04	**Certified Clean WO # :**	
Canister/Tube ID:	N3989	**Received PSI :**	10.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116772 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	4.60	0.010	0.046	1.3			09/19/19	13:37	BA	442534

Prep Method: FG-P — **Prep Batch Date/Time:** 9/20/19 8:15:00AM
Prep Batch ID: 1116799 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	4.60	0.046	0.23	1.1			09/20/19	10:26	BA	442561
Oxygen	D1946	4.60	0.049	0.23	13			09/20/19	10:26	BA	442561
Nitrogen	D1946	4.60	0.12	0.23	44			09/20/19	10:26	BA	442561
Methane	D1946	4.60	0.011	0.023	ND	ND		09/20/19	10:26	BA	442561
Carbon Monoxide	D1946	4.60	0.090	0.23	ND	ND		09/20/19	10:26	BA	442561

Prep Method: TO15-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116771 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	ETO15	28.80	45	71	ND	ND		09/19/19	17:30	BA	442533
1,1-Difluoroethane	ETO15	28.80	10.	390	ND	ND		09/19/19	17:30	BA	442533
1,2-Dichlorotetrafluoroethane	ETO15	28.80	40	100	ND	ND		09/19/19	17:30	BA	442533
Chloromethane	ETO15	28.80	59	120	ND	ND		09/19/19	17:30	BA	442533
Vinyl Chloride	ETO15	28.80	6.5	37	ND	ND		09/19/19	17:30	BA	442533
1,3-Butadiene	ETO15	28.80	9.8	32	ND	ND		09/19/19	17:30	BA	442533
Bromomethane	ETO15	28.80	19	56	ND	ND		09/19/19	17:30	BA	442533
Chloroethane	ETO15	28.80	23	38	ND	ND		09/19/19	17:30	BA	442533
Trichlorofluoromethane	ETO15	28.80	16	81	ND	ND		09/19/19	17:30	BA	442533
1,1-Dichloroethene	ETO15	28.80	24	57	ND	ND		09/19/19	17:30	BA	442533
Freon 113	ETO15	28.80	29	110	ND	ND		09/19/19	17:30	BA	442533
Carbon Disulfide	ETO15	28.80	11	45	ND	ND		09/19/19	17:30	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12S-SV	**Lab Sample ID:**	1909128-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:04	**Certified Clean WO # :**	
Canister/Tube ID:	N3989	**Received PSI :**	10.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116771	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
2-Propanol (Isopropyl Alcohol)	ETO15	28.80	37	350	ND	ND		09/19/19	17:30	BA	442533
Methylene Chloride	ETO15	28.80	20	300	ND	ND		09/19/19	17:30	BA	442533
Acetone	ETO15	28.80	11	340	280	117.65	J	09/19/19	17:30	BA	442533
trans-1,2-Dichloroethene	ETO15	28.80	14	57	ND	ND		09/19/19	17:30	BA	442533
Hexane	ETO15	28.80	13	51	89	25.28		09/19/19	17:30	BA	442533
MTBE	ETO15	28.80	13	52	24	6.65	J	09/19/19	17:30	BA	442533
tert-Butanol	ETO15	28.80	18	44	ND	ND		09/19/19	17:30	BA	442533
Diisopropyl ether (DIPE)	ETO15	28.80	21	60	ND	ND		09/19/19	17:30	BA	442533
1,1-Dichloroethane	ETO15	28.80	16	58	ND	ND		09/19/19	17:30	BA	442533
ETBE	ETO15	28.80	9.4	60	ND	ND		09/19/19	17:30	BA	442533
cis-1,2-Dichloroethene	ETO15	28.80	24	57	ND	ND		09/19/19	17:30	BA	442533
Chloroform	ETO15	28.80	28	70	ND	ND		09/19/19	17:30	BA	442533
Vinyl Acetate	ETO15	28.80	22	51	ND	ND		09/19/19	17:30	BA	442533
Carbon Tetrachloride	ETO15	28.80	32	91	ND	ND		09/19/19	17:30	BA	442533
1,1,1-Trichloroethane	ETO15	28.80	23	79	ND	ND		09/19/19	17:30	BA	442533
2-Butanone (MEK)	ETO15	28.80	11	42	360	122.03		09/19/19	17:30	BA	442533
Ethyl Acetate	ETO15	28.80	14	52	ND	ND		09/19/19	17:30	BA	442533
Tetrahydrofuran	ETO15	28.80	13	42	ND	ND		09/19/19	17:30	BA	442533
Benzene	ETO15	28.80	13	46	15	4.70	J	09/19/19	17:30	BA	442533
TAME	ETO15	28.80	19	60	ND	ND		09/19/19	17:30	BA	442533
1,2-Dichloroethane (EDC)	ETO15	28.80	12	58	ND	ND		09/19/19	17:30	BA	442533
Trichloroethylene	ETO15	28.80	23	77	ND	ND		09/19/19	17:30	BA	442533
1,2-Dichloropropane	ETO15	28.80	22	67	ND	ND		09/19/19	17:30	BA	442533
Bromodichloromethane	ETO15	28.80	21	96	ND	ND		09/19/19	17:30	BA	442533
1,4-Dioxane	ETO15	28.80	52	100	ND	ND		09/19/19	17:30	BA	442533
trans-1,3-Dichloropropene	ETO15	28.80	31	65	ND	ND		09/19/19	17:30	BA	442533
Toluene	ETO15	28.80	22	54	91	24.14		09/19/19	17:30	BA	442533
4-Methyl-2-Pentanone (MIBK)	ETO15	28.80	21	59	37	9.02	J	09/19/19	17:30	BA	442533
cis-1,3-Dichloropropene	ETO15	28.80	12	65	ND	ND		09/19/19	17:30	BA	442533
Tetrachloroethylene	ETO15	28.80	42	98	ND	ND		09/19/19	17:30	BA	442533
1,1,2-Trichloroethane	ETO15	28.80	17	79	ND	ND		09/19/19	17:30	BA	442533
Dibromochloromethane	ETO15	28.80	32	120	ND	ND		09/19/19	17:30	BA	442533
1,2-Dibromoethane (EDB)	ETO15	28.80	21	110	ND	ND		09/19/19	17:30	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12S-SV	**Lab Sample ID:**	1909128-001A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:04	**Certified Clean WO # :**	
Canister/Tube ID:	N3989	**Received PSI :**	10.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116771	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
2-Hexanone	ETO15	28.80	19	59	ND	ND		09/19/19	17:30	BA	442533
Ethyl Benzene	ETO15	28.80	18	63	24	5.53	J	09/19/19	17:30	BA	442533
Chlorobenzene	ETO15	28.80	17	66	ND	ND		09/19/19	17:30	BA	442533
1,1,1,2-Tetrachloroethane	ETO15	28.80	24	99	ND	ND		09/19/19	17:30	BA	442533
m,p-Xylene	ETO15	28.80	28	63	99	22.81		09/19/19	17:30	BA	442533
o-Xylene	ETO15	28.80	8.7	63	38	8.76	J	09/19/19	17:30	BA	442533
Styrene	ETO15	28.80	13	61	ND	ND		09/19/19	17:30	BA	442533
Bromoform	ETO15	28.80	38	150	ND	ND		09/19/19	17:30	BA	442533
1,1,2,2-Tetrachloroethane	ETO15	28.80	24	99	ND	ND		09/19/19	17:30	BA	442533
4-Ethyl Toluene	ETO15	28.80	16	71	ND	ND		09/19/19	17:30	BA	442533
1,3,5-Trimethylbenzene	ETO15	28.80	8.6	71	ND	ND		09/19/19	17:30	BA	442533
1,2,4-Trimethylbenzene	ETO15	28.80	17	71	ND	ND		09/19/19	17:30	BA	442533
1,4-Dichlorobenzene	ETO15	28.80	21	87	ND	ND		09/19/19	17:30	BA	442533
1,3-Dichlorobenzene	ETO15	28.80	38	87	ND	ND		09/19/19	17:30	BA	442533
1,2-Dichlorobenzene	ETO15	28.80	31	87	ND	ND		09/19/19	17:30	BA	442533
Hexachlorobutadiene	ETO15	28.80	53	150	ND	ND		09/19/19	17:30	BA	442533
1,2,4-Trichlorobenzene	ETO15	28.80	62	110	ND	ND		09/19/19	17:30	BA	442533
Naphthalene	ETO15	28.80	37	75	ND	ND		09/19/19	17:30	BA	442533
(S) 4-Bromofluorobenzene	ETO15	28.80	50	150	100 %			09/19/19	17:30	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12D-SV	**Lab Sample ID:**	1909128-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	6105	**Received PSI :**	11.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	6.40	0.014	0.064	1.7			09/19/19	13:51	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	9:09	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	9:09	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	9:09	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	9:09	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	9:09	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	9:09	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	9:09	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	9:09	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	9:09	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:09	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	9:09	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	4.9	1.58		09/18/19	9:09	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	9:09	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	9:09	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	9:09	BA	442493
Hexane	ETO15	1.00	0.46	1.8	17	4.83		09/18/19	9:09	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	9:09	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	6.1	2.01		09/18/19	9:09	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	9:09	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	9:09	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	9:09	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:09	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	2.4	0.49		09/18/19	9:09	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	9:09	BA	442493
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	9:09	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12D-SV	**Lab Sample ID:**	1909128-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	6105	**Received PSI :**	11.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/18/19	9:09	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	14	4.75		09/18/19	9:09	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	9:09	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	9:09	BA	442493
Benzene	ETO15	1.00	0.44	1.6	7.1	2.23		09/18/19	9:09	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	9:09	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	9:09	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	9:09	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	9:09	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	9:09	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	9:09	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	9:09	BA	442493
Toluene	ETO15	1.00	0.75	1.9	18	4.77		09/18/19	9:09	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	9:09	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	9:09	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	15	2.21		09/18/19	9:09	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	9:09	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	9:09	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	9:09	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	6.0	1.46		09/18/19	9:09	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	4.8	1.11		09/18/19	9:09	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	9:09	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	9:09	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	20	4.61		09/18/19	9:09	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	7.9	1.82		09/18/19	9:09	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	9:09	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	9:09	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	9:09	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	9:09	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	9:09	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/18/19	9:09	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	9:09	BA	442493
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/18/19	9:09	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-12D-SV	**Lab Sample ID:**	1909128-002A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	6105	**Received PSI :**	11.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	9:09	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	9:09	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	9:09	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	9:09	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			09/18/19	9:09	BA	442493

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/18/19	1:00:00PM
Prep Batch ID:	1116757	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	6.40	2.5	76	88	36.97		09/18/19	18:14	BA	442529
(S) 4-Bromofluorobenzene	ETO15	6.40	50	150	99 %			09/18/19	18:14	BA	442529

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8S-SV	**Lab Sample ID:**	1909128-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11710	**Received PSI :**	11.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	4.60	0.010	0.046	0.59			09/19/19	14:05	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	9:34	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	9:34	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	9:34	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	9:34	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	9:34	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	9:34	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	9:34	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	9:34	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	9:34	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:34	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	9:34	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	9.9	3.18		09/18/19	9:34	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	9:34	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	9:34	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	9:34	BA	442493
Hexane	ETO15	1.00	0.46	1.8	51	14.49		09/18/19	9:34	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	9:34	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	28	9.24		09/18/19	9:34	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	9:34	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	9:34	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	9:34	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:34	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/18/19	9:34	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	9:34	BA	442493
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	9:34	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8S-SV	**Lab Sample ID:**	1909128-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11710	**Received PSI :**	11.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/18/19	9:34	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	30	10.17		09/18/19	9:34	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	9:34	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	9:34	BA	442493
Benzene	ETO15	1.00	0.44	1.6	2.0	0.63		09/18/19	9:34	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	9:34	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	9:34	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	9:34	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	9:34	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	9:34	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	9:34	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	9:34	BA	442493
Toluene	ETO15	1.00	0.75	1.9	45	11.94		09/18/19	9:34	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	9:34	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	9:34	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	6.6	0.97		09/18/19	9:34	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	9:34	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	9:34	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	9:34	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/18/19	9:34	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/18/19	9:34	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	9:34	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	9:34	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	6.5	1.50		09/18/19	9:34	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	2.2	0.51		09/18/19	9:34	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	9:34	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	9:34	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	9:34	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	9:34	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	9:34	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/18/19	9:34	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	9:34	BA	442493
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	29	4.83		09/18/19	9:34	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8S-SV	**Lab Sample ID:**	1909128-003A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11710	**Received PSI :**	11.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	9:34	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	9:34	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	9:34	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	9:34	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			09/18/19	9:34	BA	442493

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/18/19	1:00:00PM
Prep Batch ID:	1116757	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	13.80	5.5	160	250	105.04		09/18/19	17:49	BA	442529
(S) 4-Bromofluorobenzene	ETO15	13.80	50	150	100 %			09/18/19	17:49	BA	442529

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8D-SV	**Lab Sample ID:**	1909128-004A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:44	**Certified Clean WO # :**	
Canister/Tube ID:	6323	**Received PSI :**	11.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	3.80	0.0085	0.038	0.73			09/19/19	14:17	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	9:59	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	9:59	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	9:59	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	9:59	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	9:59	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	9:59	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	9:59	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	9:59	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	9:59	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:59	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	9:59	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	18	5.79		09/18/19	9:59	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	9:59	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	9:59	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	9:59	BA	442493
Hexane	ETO15	1.00	0.46	1.8	55	15.63		09/18/19	9:59	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	9:59	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	20	6.60		09/18/19	9:59	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	9:59	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	9:59	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	9:59	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	9:59	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/18/19	9:59	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	9:59	BA	442493
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	9:59	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8D-SV	**Lab Sample ID:**	1909128-004A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:44	**Certified Clean WO # :**	
Canister/Tube ID:	6323	**Received PSI :**	11.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/18/19	9:59	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	23	7.80		09/18/19	9:59	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	9:59	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	9:59	BA	442493
Benzene	ETO15	1.00	0.44	1.6	7.8	2.45		09/18/19	9:59	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	9:59	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	9:59	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	9:59	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	9:59	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	9:59	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	9:59	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	9:59	BA	442493
Toluene	ETO15	1.00	0.75	1.9	55	14.59		09/18/19	9:59	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	9:59	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	9:59	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	8.2	1.21		09/18/19	9:59	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	9:59	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	9:59	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	9:59	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/18/19	9:59	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	2.6	0.60		09/18/19	9:59	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	9:59	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	9:59	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	7.7	1.77		09/18/19	9:59	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	2.7	0.62		09/18/19	9:59	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	9:59	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	9:59	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	9:59	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	9:59	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	9:59	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/18/19	9:59	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	9:59	BA	442493
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	19	3.16		09/18/19	9:59	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-8D-SV	**Lab Sample ID:**	1909128-004A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:44	**Certified Clean WO # :**	
Canister/Tube ID:	6323	**Received PSI :**	11.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	9:59	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	9:59	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	9:59	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	9:59	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			09/18/19	9:59	BA	442493

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/18/19	1:00:00PM
Prep Batch ID:	1116757	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	10.00	4.0	120	300	126.05		09/19/19	8:57	BA	442529
(S) 4-Bromofluorobenzene	ETO15	10.00	50	150	100 %			09/19/19	8:57	BA	442529

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5S-SV	**Lab Sample ID:**	1909128-005A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:31	**Certified Clean WO # :**	
Canister/Tube ID:	A7463	**Received PSI :**	13.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116772 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	3.60	0.0081	0.036	1.8			09/19/19	14:29	BA	442534

Prep Method: FG-P — **Prep Batch Date/Time:** 9/20/19 8:15:00AM
Prep Batch ID: 1116799 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	3.60	0.036	0.18	1.8			09/20/19	11:05	BA	442561
Oxygen	D1946	3.60	0.038	0.18	11			09/20/19	11:05	BA	442561
Nitrogen	D1946	3.60	0.094	0.18	43			09/20/19	11:05	BA	442561
Methane	D1946	3.60	0.0084	0.018	ND	ND		09/20/19	11:05	BA	442561
Carbon Monoxide	D1946	3.60	0.071	0.18	ND	ND		09/20/19	11:05	BA	442561

Prep Method: TO15-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116771 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	54.00	85	130	ND	ND		09/19/19	17:55	BA	442533
1,1-Difluoroethane	ETO15	54.00	19	730	ND	ND		09/19/19	17:55	BA	442533
1,2-Dichlorotetrafluoroethane	ETO15	54.00	75	190	ND	ND		09/19/19	17:55	BA	442533
Chloromethane	ETO15	54.00	110	220	ND	ND		09/19/19	17:55	BA	442533
Vinyl Chloride	ETO15	54.00	12	69	ND	ND		09/19/19	17:55	BA	442533
1,3-Butadiene	ETO15	54.00	18	60	ND	ND		09/19/19	17:55	BA	442533
Bromomethane	ETO15	54.00	35	100	ND	ND		09/19/19	17:55	BA	442533
Chloroethane	ETO15	54.00	44	71	ND	ND		09/19/19	17:55	BA	442533
Trichlorofluoromethane	ETO15	54.00	30	150	ND	ND		09/19/19	17:55	BA	442533
1,1-Dichloroethene	ETO15	54.00	45	110	ND	ND		09/19/19	17:55	BA	442533
Freon 113	ETO15	54.00	55	210	ND	ND		09/19/19	17:55	BA	442533
Carbon Disulfide	ETO15	54.00	20	84	ND	ND		09/19/19	17:55	BA	442533
2-Propanol (Isopropyl Alcohol)	ETO15	54.00	69	660	ND	ND		09/19/19	17:55	BA	442533
Methylene Chloride	ETO15	54.00	38	560	ND	ND		09/19/19	17:55	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5S-SV	**Lab Sample ID:**	1909128-005A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:31	**Certified Clean WO # :**	
Canister/Tube ID:	A7463	**Received PSI :**	13.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116771	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	54.00	21	640	ND	ND		09/19/19	17:55	BA	442533
trans-1,2-Dichloroethene	ETO15	54.00	26	110	ND	ND		09/19/19	17:55	BA	442533
Hexane	ETO15	54.00	25	95	ND	ND		09/19/19	17:55	BA	442533
MTBE	ETO15	54.00	24	97	ND	ND		09/19/19	17:55	BA	442533
tert-Butanol	ETO15	54.00	33	82	ND	ND		09/19/19	17:55	BA	442533
Diisopropyl ether (DIPE)	ETO15	54.00	40	110	ND	ND		09/19/19	17:55	BA	442533
1,1-Dichloroethane	ETO15	54.00	29	110	ND	ND		09/19/19	17:55	BA	442533
ETBE	ETO15	54.00	18	110	ND	ND		09/19/19	17:55	BA	442533
cis-1,2-Dichloroethene	ETO15	54.00	45	110	ND	ND		09/19/19	17:55	BA	442533
Chloroform	ETO15	54.00	52	130	ND	ND		09/19/19	17:55	BA	442533
Vinyl Acetate	ETO15	54.00	41	95	ND	ND		09/19/19	17:55	BA	442533
Carbon Tetrachloride	ETO15	54.00	60	170	ND	ND		09/19/19	17:55	BA	442533
1,1,1-Trichloroethane	ETO15	54.00	43	150	ND	ND		09/19/19	17:55	BA	442533
2-Butanone (MEK)	ETO15	54.00	21	80	ND	ND		09/19/19	17:55	BA	442533
Ethyl Acetate	ETO15	54.00	26	97	ND	ND		09/19/19	17:55	BA	442533
Tetrahydrofuran	ETO15	54.00	24	80	ND	ND		09/19/19	17:55	BA	442533
Benzene	ETO15	54.00	24	86	ND	ND		09/19/19	17:55	BA	442533
TAME	ETO15	54.00	36	110	ND	ND		09/19/19	17:55	BA	442533
1,2-Dichloroethane (EDC)	ETO15	54.00	23	110	ND	ND		09/19/19	17:55	BA	442533
Trichloroethylene	ETO15	54.00	44	140	ND	ND		09/19/19	17:55	BA	442533
1,2-Dichloropropane	ETO15	54.00	41	120	ND	ND		09/19/19	17:55	BA	442533
Bromodichloromethane	ETO15	54.00	40	180	ND	ND		09/19/19	17:55	BA	442533
1,4-Dioxane	ETO15	54.00	97	190	ND	ND		09/19/19	17:55	BA	442533
trans-1,3-Dichloropropene	ETO15	54.00	57	120	ND	ND		09/19/19	17:55	BA	442533
Toluene	ETO15	54.00	41	100	490	129.97		09/19/19	17:55	BA	442533
4-Methyl-2-Pentanone (MIBK)	ETO15	54.00	40	110	ND	ND		09/19/19	17:55	BA	442533
cis-1,3-Dichloropropene	ETO15	54.00	23	120	ND	ND		09/19/19	17:55	BA	442533
Tetrachloroethylene	ETO15	54.00	79	180	ND	ND		09/19/19	17:55	BA	442533
1,1,2-Trichloroethane	ETO15	54.00	32	150	ND	ND		09/19/19	17:55	BA	442533
Dibromochloromethane	ETO15	54.00	60	230	ND	ND		09/19/19	17:55	BA	442533
1,2-Dibromoethane (EDB)	ETO15	54.00	40	210	ND	ND		09/19/19	17:55	BA	442533
2-Hexanone	ETO15	54.00	35	110	ND	ND		09/19/19	17:55	BA	442533
Ethyl Benzene	ETO15	54.00	34	120	ND	ND		09/19/19	17:55	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5S-SV	**Lab Sample ID:**	1909128-005A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:31	**Certified Clean WO # :**	
Canister/Tube ID:	A7463	**Received PSI :**	13.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116771	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Chlorobenzene	ETO15	54.00	32	120	ND	ND		09/19/19	17:55	BA	442533
1,1,1,2-Tetrachloroethane	ETO15	54.00	45	190	ND	ND		09/19/19	17:55	BA	442533
m,p-Xylene	ETO15	54.00	53	120	ND	ND		09/19/19	17:55	BA	442533
o-Xylene	ETO15	54.00	16	120	ND	ND		09/19/19	17:55	BA	442533
Styrene	ETO15	54.00	25	120	ND	ND		09/19/19	17:55	BA	442533
Bromoform	ETO15	54.00	70	280	ND	ND		09/19/19	17:55	BA	442533
1,1,2,2-Tetrachloroethane	ETO15	54.00	44	190	ND	ND		09/19/19	17:55	BA	442533
4-Ethyl Toluene	ETO15	54.00	29	130	ND	ND		09/19/19	17:55	BA	442533
1,3,5-Trimethylbenzene	ETO15	54.00	16	130	ND	ND		09/19/19	17:55	BA	442533
1,2,4-Trimethylbenzene	ETO15	54.00	32	130	ND	ND		09/19/19	17:55	BA	442533
1,4-Dichlorobenzene	ETO15	54.00	40	160	ND	ND		09/19/19	17:55	BA	442533
1,3-Dichlorobenzene	ETO15	54.00	72	160	ND	ND		09/19/19	17:55	BA	442533
1,2-Dichlorobenzene	ETO15	54.00	58	160	ND	ND		09/19/19	17:55	BA	442533
Hexachlorobutadiene	ETO15	54.00	100	290	ND	ND		09/19/19	17:55	BA	442533
1,2,4-Trichlorobenzene	ETO15	54.00	120	200	ND	ND		09/19/19	17:55	BA	442533
Naphthalene	ETO15	54.00	69	140	ND	ND		09/19/19	17:55	BA	442533
(S) 4-Bromofluorobenzene	ETO15	54.00	50	150	95 %			09/19/19	17:55	BA	442533

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5D-SV	**Lab Sample ID:**	1909128-006A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:24	**Certified Clean WO # :**	
Canister/Tube ID:	A7559	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	12.50	0.028	0.13	2.7			09/19/19	14:45	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	11:05	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	11:05	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	11:05	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	11:05	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	11:05	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	11:05	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	11:05	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	11:05	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	11:05	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	11:05	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	11:05	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	7.9	2.54		09/18/19	11:05	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	11:05	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	11:05	BA	442493
Acetone	ETO15	1.00	0.40	12	220	92.44	E	09/18/19	11:05	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	11:05	BA	442493
Hexane	ETO15	1.00	0.46	1.8	41	11.65		09/18/19	11:05	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	11:05	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	47	15.51		09/18/19	11:05	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	11:05	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	11:05	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	11:05	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	11:05	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/18/19	11:05	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	11:05	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5D-SV	**Lab Sample ID:**	1909128-006A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:24	**Certified Clean WO # :**	
Canister/Tube ID:	A7559	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	11:05	BA	442493
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	6.1	1.12		09/18/19	11:05	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	27	9.15		09/18/19	11:05	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	11:05	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	11:05	BA	442493
Benzene	ETO15	1.00	0.44	1.6	7.9	2.48		09/18/19	11:05	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	11:05	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	11:05	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	11:05	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	11:05	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	11:05	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	11:05	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	11:05	BA	442493
Toluene	ETO15	1.00	0.75	1.9	38	10.08		09/18/19	11:05	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	11:05	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	11:05	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	9.0	1.33		09/18/19	11:05	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	11:05	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	11:05	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	11:05	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/18/19	11:05	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	3.5	0.81		09/18/19	11:05	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	11:05	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	11:05	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	11	2.53		09/18/19	11:05	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	5.0	1.15		09/18/19	11:05	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	11:05	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	11:05	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	11:05	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	3.0	0.61		09/18/19	11:05	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	11:05	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	2.9	0.59		09/18/19	11:05	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	11:05	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-5D-SV	**Lab Sample ID:**	1909128-006A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 15:24	**Certified Clean WO # :**	
Canister/Tube ID:	A7559	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/18/19	11:05	BA	442493
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	11:05	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	11:05	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	11:05	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	11:05	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			09/18/19	11:05	BA	442493

NOTE: E-estimated value. Concentration outside of calibration range but within linear range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1S-SV	**Lab Sample ID:**	1909128-007A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:24	**Certified Clean WO # :**	
Canister/Tube ID:	N1439	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	5.40	0.012	0.054	3.7			09/19/19	15:00	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	30.00	47	74	ND	ND		09/18/19	5:05	BA	442493
1,1-Difluoroethane	ETO15	30.00	10	410	ND	ND		09/18/19	5:05	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	30.00	42	100	ND	ND		09/18/19	5:05	BA	442493
Chloromethane	ETO15	30.00	61	120	ND	ND		09/18/19	5:05	BA	442493
Vinyl Chloride	ETO15	30.00	6.8	38	ND	ND		09/18/19	5:05	BA	442493
1,3-Butadiene	ETO15	30.00	10	33	ND	ND		09/18/19	5:05	BA	442493
Bromomethane	ETO15	30.00	20	58	ND	ND		09/18/19	5:05	BA	442493
Chloroethane	ETO15	30.00	24	40	ND	ND		09/18/19	5:05	BA	442493
Trichlorofluoromethane	ETO15	30.00	17	84	ND	ND		09/18/19	5:05	BA	442493
1,1-Dichloroethene	ETO15	30.00	25	60	ND	ND		09/18/19	5:05	BA	442493
Freon 113	ETO15	30.00	31	110	ND	ND		09/18/19	5:05	BA	442493
Carbon Disulfide	ETO15	30.00	11	47	ND	ND		09/18/19	5:05	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	30.00	38	370	ND	ND		09/18/19	5:05	BA	442493
Methylene Chloride	ETO15	30.00	21	310	ND	ND		09/18/19	5:05	BA	442493
Acetone	ETO15	30.00	12	360	580	243.70		09/18/19	5:05	BA	442493
trans-1,2-Dichloroethene	ETO15	30.00	14	59	ND	ND		09/18/19	5:05	BA	442493
Hexane	ETO15	30.00	14	53	80	22.73		09/18/19	5:05	BA	442493
MTBE	ETO15	30.00	13	54	ND	ND		09/18/19	5:05	BA	442493
tert-Butanol	ETO15	30.00	19	45	160	52.81		09/18/19	5:05	BA	442493
Diisopropyl ether (DIPE)	ETO15	30.00	22	63	ND	ND		09/18/19	5:05	BA	442493
1,1-Dichloroethane	ETO15	30.00	16	61	ND	ND		09/18/19	5:05	BA	442493
ETBE	ETO15	30.00	9.8	63	ND	ND		09/18/19	5:05	BA	442493
cis-1,2-Dichloroethene	ETO15	30.00	25	59	ND	ND		09/18/19	5:05	BA	442493
Chloroform	ETO15	30.00	29	73	ND	ND		09/18/19	5:05	BA	442493
Vinyl Acetate	ETO15	30.00	23	53	ND	ND		09/18/19	5:05	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1S-SV	**Lab Sample ID:**	1909128-007A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:24	**Certified Clean WO # :**	
Canister/Tube ID:	N1439	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	30.00	33	94	ND	ND		09/18/19	5:05	BA	442493
1,1,1-Trichloroethane	ETO15	30.00	24	82	ND	ND		09/18/19	5:05	BA	442493
2-Butanone (MEK)	ETO15	30.00	12	44	1000	338.98		09/18/19	5:05	BA	442493
Ethyl Acetate	ETO15	30.00	14	54	ND	ND		09/18/19	5:05	BA	442493
Tetrahydrofuran	ETO15	30.00	13	44	ND	ND		09/18/19	5:05	BA	442493
Benzene	ETO15	30.00	13	48	ND	ND		09/18/19	5:05	BA	442493
TAME	ETO15	30.00	20	63	ND	ND		09/18/19	5:05	BA	442493
1,2-Dichloroethane (EDC)	ETO15	30.00	13	61	ND	ND		09/18/19	5:05	BA	442493
Trichloroethylene	ETO15	30.00	24	81	ND	ND		09/18/19	5:05	BA	442493
1,2-Dichloropropane	ETO15	30.00	23	69	ND	ND		09/18/19	5:05	BA	442493
Bromodichloromethane	ETO15	30.00	22	100	ND	ND		09/18/19	5:05	BA	442493
1,4-Dioxane	ETO15	30.00	54	110	ND	ND		09/18/19	5:05	BA	442493
trans-1,3-Dichloropropene	ETO15	30.00	32	68	ND	ND		09/18/19	5:05	BA	442493
Toluene	ETO15	30.00	23	57	270	71.62		09/18/19	5:05	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	30.00	22	62	ND	ND		09/18/19	5:05	BA	442493
cis-1,3-Dichloropropene	ETO15	30.00	13	68	ND	ND		09/18/19	5:05	BA	442493
Tetrachloroethylene	ETO15	30.00	44	100	110	16.22		09/18/19	5:05	BA	442493
1,1,2-Trichloroethane	ETO15	30.00	18	82	ND	ND		09/18/19	5:05	BA	442493
Dibromochloromethane	ETO15	30.00	33	130	ND	ND		09/18/19	5:05	BA	442493
1,2-Dibromoethane (EDB)	ETO15	30.00	22	120	ND	ND		09/18/19	5:05	BA	442493
2-Hexanone	ETO15	30.00	20	62	ND	ND		09/18/19	5:05	BA	442493
Ethyl Benzene	ETO15	30.00	19	65	ND	ND		09/18/19	5:05	BA	442493
Chlorobenzene	ETO15	30.00	18	69	ND	ND		09/18/19	5:05	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		09/18/19	5:05	BA	442493
m,p-Xylene	ETO15	30.00	29	65	ND	ND		09/18/19	5:05	BA	442493
o-Xylene	ETO15	30.00	9.1	65	ND	ND		09/18/19	5:05	BA	442493
Styrene	ETO15	30.00	14	64	ND	ND		09/18/19	5:05	BA	442493
Bromoform	ETO15	30.00	39	160	ND	ND		09/18/19	5:05	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		09/18/19	5:05	BA	442493
4-Ethyl Toluene	ETO15	30.00	16	74	ND	ND		09/18/19	5:05	BA	442493
1,3,5-Trimethylbenzene	ETO15	30.00	9.0	74	ND	ND		09/18/19	5:05	BA	442493
1,2,4-Trimethylbenzene	ETO15	30.00	18	74	ND	ND		09/18/19	5:05	BA	442493
1,4-Dichlorobenzene	ETO15	30.00	22	90	ND	ND		09/18/19	5:05	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1S-SV	**Lab Sample ID:**	1909128-007A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:24	**Certified Clean WO # :**	
Canister/Tube ID:	N1439	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	30.00	40	90	ND	ND		09/18/19	5:05	BA	442493
1,2-Dichlorobenzene	ETO15	30.00	32	90	ND	ND		09/18/19	5:05	BA	442493
Hexachlorobutadiene	ETO15	30.00	56	160	ND	ND		09/18/19	5:05	BA	442493
1,2,4-Trichlorobenzene	ETO15	30.00	65	110	ND	ND		09/18/19	5:05	BA	442493
Naphthalene	ETO15	30.00	38	79	ND	ND		09/18/19	5:05	BA	442493
(S) 4-Bromofluorobenzene	ETO15	30.00	50	150	110 %			09/18/19	5:05	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1D-SV	**Lab Sample ID:**	1909128-008A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3968	**Received PSI :**	13.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116772 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	4.90	0.011	0.049	0.61			09/19/19	15:16	BA	442534

Prep Method: FG-P — **Prep Batch Date/Time:** 9/20/19 8:15:00AM
Prep Batch ID: 1116799 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	4.90	0.049	0.25	ND	ND		09/20/19	11:27	BA	442561
Oxygen	D1946	4.90	0.052	0.25	12			09/20/19	11:27	BA	442561
Nitrogen	D1946	4.90	0.13	0.25	42			09/20/19	11:27	BA	442561
Methane	D1946	4.90	0.011	0.025	ND	ND		09/20/19	11:27	BA	442561
Carbon Monoxide	D1946	4.90	0.096	0.25	ND	ND		09/20/19	11:27	BA	442561

Prep Method: TO15-P — **Prep Batch Date/Time:** 9/17/19 5:30:00PM
Prep Batch ID: 1116708 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	2:15	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	2:15	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	2:15	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	2:15	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	2:15	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	2:15	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	2:15	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	2:15	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	2:15	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	2:15	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	2:15	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	5.6	1.80		09/18/19	2:15	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	2:15	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	2:15	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1D-SV	**Lab Sample ID:**	1909128-008A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3968	**Received PSI :**	13.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	2:15	BA	442493
Hexane	ETO15	1.00	0.46	1.8	13	3.69		09/18/19	2:15	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	2:15	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	14	4.62		09/18/19	2:15	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	2:15	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	2:15	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	2:15	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	2:15	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/18/19	2:15	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	2:15	BA	442493
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	2:15	BA	442493
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/18/19	2:15	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	15	5.08		09/18/19	2:15	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	2:15	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	2:15	BA	442493
Benzene	ETO15	1.00	0.44	1.6	5.1	1.60		09/18/19	2:15	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	2:15	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	2:15	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	2:15	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	2:15	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	2:15	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	2:15	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	2:15	BA	442493
Toluene	ETO15	1.00	0.75	1.9	39	10.34		09/18/19	2:15	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	2:15	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	2:15	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	14	2.06		09/18/19	2:15	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	2:15	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	2:15	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	2:15	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/18/19	2:15	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	2.2	0.51		09/18/19	2:15	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	2:15	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-1D-SV	**Lab Sample ID:**	1909128-008A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 16:17	**Certified Clean WO # :**	
Canister/Tube ID:	N3968	**Received PSI :**	13.8
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19 5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	2:15	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	6.9	1.59		09/18/19	2:15	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	3.3	0.76		09/18/19	2:15	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	2:15	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	2:15	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	2:15	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	2:15	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	2:15	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/18/19	2:15	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	2:15	BA	442493
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/18/19	2:15	BA	442493
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	2:15	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	2:15	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	2:15	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	2:15	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			09/18/19	2:15	BA	442493

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/18/19 1:00:00PM
Prep Batch ID:	1116757	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	4.90	1.9	58	180	75.63		09/18/19	19:03	BA	442529
(S) 4-Bromofluorobenzene	ETO15	4.90	50	150	110 %			09/18/19	19:03	BA	442529

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19S-SV	**Lab Sample ID:**	1909128-009A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	N3988	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	18.20	0.041	0.18	3.1			09/19/19	15:29	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	12:59	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	12:59	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	12:59	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	12:59	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	12:59	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	12:59	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	12:59	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	12:59	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	12:59	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	12:59	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	12:59	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	17	5.47		09/18/19	12:59	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/18/19	12:59	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	12:59	BA	442493
Acetone	ETO15	1.00	0.40	12	200	84.03	E	09/18/19	12:59	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	12:59	BA	442493
Hexane	ETO15	1.00	0.46	1.8	26	7.39		09/18/19	12:59	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	12:59	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	14	4.62		09/18/19	12:59	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	12:59	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	12:59	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	12:59	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	12:59	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/18/19	12:59	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	12:59	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19S-SV	**Lab Sample ID:**	1909128-009A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	N3988	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	12:59	BA	442493
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	3.3	0.60		09/18/19	12:59	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	31	10.51		09/18/19	12:59	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	3.4	0.94		09/18/19	12:59	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	12:59	BA	442493
Benzene	ETO15	1.00	0.44	1.6	12	3.76		09/18/19	12:59	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	12:59	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	12:59	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/18/19	12:59	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	12:59	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	12:59	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	12:59	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	12:59	BA	442493
Toluene	ETO15	1.00	0.75	1.9	37	9.81		09/18/19	12:59	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	7.6	1.85		09/18/19	12:59	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	12:59	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	3.6	0.53		09/18/19	12:59	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	12:59	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	12:59	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	12:59	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/18/19	12:59	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	3.8	0.88		09/18/19	12:59	BA	442493
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	12:59	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	12:59	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	12	2.76		09/18/19	12:59	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	5.2	1.20		09/18/19	12:59	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	12:59	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	12:59	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	12:59	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	12:59	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	12:59	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	4.5	0.91		09/18/19	12:59	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	12:59	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19S-SV	**Lab Sample ID:**	1909128-009A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	N3988	**Received PSI :**	10.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/18/19	12:59	BA	442493
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	12:59	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	12:59	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	12:59	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	12:59	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			09/18/19	12:59	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19D-SV	**Lab Sample ID:**	1909128-010A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	A11732	**Received PSI :**	11.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P — **Prep Batch Date/Time:** 9/19/19 1:00:00PM
Prep Batch ID: 1116772 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	11.30	0.025	0.11	2.3			09/19/19	15:48	BA	442534

Prep Method: FG-P — **Prep Batch Date/Time:** 9/20/19 8:15:00AM
Prep Batch ID: 1116799 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	11.30	0.11	0.57	6.1			09/20/19	10:50	BA	442561
Oxygen	D1946	11.30	0.12	0.57	19			09/20/19	10:50	BA	442561
Nitrogen	D1946	11.30	0.30	0.57	66			09/20/19	10:50	BA	442561
Methane	D1946	11.30	0.026	0.057	ND	ND		09/20/19	10:50	BA	442561
Carbon Monoxide	D1946	11.30	0.22	0.57	ND	ND		09/20/19	10:50	BA	442561

Prep Method: TO15-P — **Prep Batch Date/Time:** 9/17/19 5:30:00PM
Prep Batch ID: 1116708 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/18/19	13:40	BA	442493
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/18/19	13:40	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/18/19	13:40	BA	442493
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/18/19	13:40	BA	442493
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/18/19	13:40	BA	442493
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/18/19	13:40	BA	442493
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/18/19	13:40	BA	442493
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/18/19	13:40	BA	442493
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/18/19	13:40	BA	442493
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/18/19	13:40	BA	442493
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/18/19	13:40	BA	442493
Carbon Disulfide	ETO15	1.00	0.37	1.6	12	3.86		09/18/19	13:40	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	32	13.01		09/18/19	13:40	BA	442493
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/18/19	13:40	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19D-SV	**Lab Sample ID:**	1909128-010A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	A11732	**Received PSI :**	11.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Acetone	ETO15	1.00	0.40	12	91	38.24		09/18/19	13:40	BA	442493
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/18/19	13:40	BA	442493
Hexane	ETO15	1.00	0.46	1.8	32	9.09		09/18/19	13:40	BA	442493
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/18/19	13:40	BA	442493
tert-Butanol	ETO15	1.00	0.62	1.5	14	4.62		09/18/19	13:40	BA	442493
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/18/19	13:40	BA	442493
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/18/19	13:40	BA	442493
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/18/19	13:40	BA	442493
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	11	2.78		09/18/19	13:40	BA	442493
Chloroform	ETO15	1.00	0.97	2.4	81	16.60		09/18/19	13:40	BA	442493
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/18/19	13:40	BA	442493
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/18/19	13:40	BA	442493
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	24	4.40		09/18/19	13:40	BA	442493
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	18	6.10		09/18/19	13:40	BA	442493
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/18/19	13:40	BA	442493
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/18/19	13:40	BA	442493
Benzene	ETO15	1.00	0.44	1.6	10	3.13		09/18/19	13:40	BA	442493
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/18/19	13:40	BA	442493
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/18/19	13:40	BA	442493
Trichloroethylene	ETO15	1.00	0.81	2.7	4.2	0.78		09/18/19	13:40	BA	442493
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/18/19	13:40	BA	442493
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/18/19	13:40	BA	442493
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/18/19	13:40	BA	442493
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/18/19	13:40	BA	442493
Toluene	ETO15	1.00	0.75	1.9	31	8.22		09/18/19	13:40	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/18/19	13:40	BA	442493
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/18/19	13:40	BA	442493
Tetrachloroethylene	ETO15	1.00	1.5	3.4	13	1.92		09/18/19	13:40	BA	442493
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/18/19	13:40	BA	442493
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/18/19	13:40	BA	442493
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/18/19	13:40	BA	442493
2-Hexanone	ETO15	1.00	0.65	2.1	5.3	1.29		09/18/19	13:40	BA	442493
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/18/19	13:40	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	EB-19D-SV	**Lab Sample ID:**	1909128-010A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 17:03	**Certified Clean WO # :**	
Canister/Tube ID:	A11732	**Received PSI :**	11.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/18/19	13:40	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/18/19	13:40	BA	442493
m,p-Xylene	ETO15	1.00	0.98	2.2	6.4	1.47		09/18/19	13:40	BA	442493
o-Xylene	ETO15	1.00	0.30	2.2	2.5	0.58		09/18/19	13:40	BA	442493
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/18/19	13:40	BA	442493
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/18/19	13:40	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/18/19	13:40	BA	442493
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/18/19	13:40	BA	442493
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/18/19	13:40	BA	442493
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/18/19	13:40	BA	442493
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/18/19	13:40	BA	442493
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/18/19	13:40	BA	442493
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/18/19	13:40	BA	442493
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/18/19	13:40	BA	442493
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/18/19	13:40	BA	442493
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/18/19	13:40	BA	442493
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			09/18/19	13:40	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	DUP-1-SV	**Lab Sample ID:**	1909128-011A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11730	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	9/19/19	1:00:00PM
Prep Batch ID:	1116772	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	3.50	0.0078	0.035	0.95			09/19/19	16:09	BA	442534

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	30.00	47	74	ND	ND		09/18/19	8:44	BA	442493
1,1-Difluoroethane	ETO15	30.00	10	410	ND	ND		09/18/19	8:44	BA	442493
1,2-Dichlorotetrafluoroethane	ETO15	30.00	42	100	ND	ND		09/18/19	8:44	BA	442493
Chloromethane	ETO15	30.00	61	120	ND	ND		09/18/19	8:44	BA	442493
Vinyl Chloride	ETO15	30.00	6.8	38	ND	ND		09/18/19	8:44	BA	442493
1,3-Butadiene	ETO15	30.00	10	33	ND	ND		09/18/19	8:44	BA	442493
Bromomethane	ETO15	30.00	20	58	ND	ND		09/18/19	8:44	BA	442493
Chloroethane	ETO15	30.00	24	40	ND	ND		09/18/19	8:44	BA	442493
Trichlorofluoromethane	ETO15	30.00	17	84	ND	ND		09/18/19	8:44	BA	442493
1,1-Dichloroethene	ETO15	30.00	25	60	ND	ND		09/18/19	8:44	BA	442493
Freon 113	ETO15	30.00	31	110	ND	ND		09/18/19	8:44	BA	442493
Carbon Disulfide	ETO15	30.00	11	47	ND	ND		09/18/19	8:44	BA	442493
2-Propanol (Isopropyl Alcohol)	ETO15	30.00	38	370	ND	ND		09/18/19	8:44	BA	442493
Methylene Chloride	ETO15	30.00	21	310	ND	ND		09/18/19	8:44	BA	442493
Acetone	ETO15	30.00	12	360	640	268.91		09/18/19	8:44	BA	442493
trans-1,2-Dichloroethene	ETO15	30.00	14	59	ND	ND		09/18/19	8:44	BA	442493
Hexane	ETO15	30.00	14	53	180	51.14		09/18/19	8:44	BA	442493
MTBE	ETO15	30.00	13	54	ND	ND		09/18/19	8:44	BA	442493
tert-Butanol	ETO15	30.00	19	45	190	62.71		09/18/19	8:44	BA	442493
Diisopropyl ether (DIPE)	ETO15	30.00	22	63	ND	ND		09/18/19	8:44	BA	442493
1,1-Dichloroethane	ETO15	30.00	16	61	ND	ND		09/18/19	8:44	BA	442493
ETBE	ETO15	30.00	9.8	63	ND	ND		09/18/19	8:44	BA	442493
cis-1,2-Dichloroethene	ETO15	30.00	25	59	ND	ND		09/18/19	8:44	BA	442493
Chloroform	ETO15	30.00	29	73	ND	ND		09/18/19	8:44	BA	442493
Vinyl Acetate	ETO15	30.00	23	53	ND	ND		09/18/19	8:44	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	DUP-1-SV	**Lab Sample ID:**	1909128-011A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11730	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	30.00	33	94	ND	ND		09/18/19	8:44	BA	442493
1,1,1-Trichloroethane	ETO15	30.00	24	82	ND	ND		09/18/19	8:44	BA	442493
2-Butanone (MEK)	ETO15	30.00	12	44	1000	338.98		09/18/19	8:44	BA	442493
Ethyl Acetate	ETO15	30.00	14	54	ND	ND		09/18/19	8:44	BA	442493
Tetrahydrofuran	ETO15	30.00	13	44	ND	ND		09/18/19	8:44	BA	442493
Benzene	ETO15	30.00	13	48	ND	ND		09/18/19	8:44	BA	442493
TAME	ETO15	30.00	20	63	ND	ND		09/18/19	8:44	BA	442493
1,2-Dichloroethane (EDC)	ETO15	30.00	13	61	ND	ND		09/18/19	8:44	BA	442493
Trichloroethylene	ETO15	30.00	24	81	ND	ND		09/18/19	8:44	BA	442493
1,2-Dichloropropane	ETO15	30.00	23	69	ND	ND		09/18/19	8:44	BA	442493
Bromodichloromethane	ETO15	30.00	22	100	ND	ND		09/18/19	8:44	BA	442493
1,4-Dioxane	ETO15	30.00	54	110	ND	ND		09/18/19	8:44	BA	442493
trans-1,3-Dichloropropene	ETO15	30.00	32	68	ND	ND		09/18/19	8:44	BA	442493
Toluene	ETO15	30.00	23	57	310	82.23		09/18/19	8:44	BA	442493
4-Methyl-2-Pentanone (MIBK)	ETO15	30.00	22	62	ND	ND		09/18/19	8:44	BA	442493
cis-1,3-Dichloropropene	ETO15	30.00	13	68	ND	ND		09/18/19	8:44	BA	442493
Tetrachloroethylene	ETO15	30.00	44	100	ND	ND		09/18/19	8:44	BA	442493
1,1,2-Trichloroethane	ETO15	30.00	18	82	ND	ND		09/18/19	8:44	BA	442493
Dibromochloromethane	ETO15	30.00	33	130	ND	ND		09/18/19	8:44	BA	442493
1,2-Dibromoethane (EDB)	ETO15	30.00	22	120	ND	ND		09/18/19	8:44	BA	442493
2-Hexanone	ETO15	30.00	20	62	ND	ND		09/18/19	8:44	BA	442493
Ethyl Benzene	ETO15	30.00	19	65	ND	ND		09/18/19	8:44	BA	442493
Chlorobenzene	ETO15	30.00	18	69	ND	ND		09/18/19	8:44	BA	442493
1,1,1,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		09/18/19	8:44	BA	442493
m,p-Xylene	ETO15	30.00	29	65	ND	ND		09/18/19	8:44	BA	442493
o-Xylene	ETO15	30.00	9.1	65	ND	ND		09/18/19	8:44	BA	442493
Styrene	ETO15	30.00	14	64	ND	ND		09/18/19	8:44	BA	442493
Bromoform	ETO15	30.00	39	160	ND	ND		09/18/19	8:44	BA	442493
1,1,2,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		09/18/19	8:44	BA	442493
4-Ethyl Toluene	ETO15	30.00	16	74	ND	ND		09/18/19	8:44	BA	442493
1,3,5-Trimethylbenzene	ETO15	30.00	9.0	74	ND	ND		09/18/19	8:44	BA	442493
1,2,4-Trimethylbenzene	ETO15	30.00	18	74	ND	ND		09/18/19	8:44	BA	442493
1,4-Dichlorobenzene	ETO15	30.00	22	90	ND	ND		09/18/19	8:44	BA	442493

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 09/16/19, 1:00 pm
Date Reported: 09/25/19

Client Sample ID:	DUP-1-SV	**Lab Sample ID:**	1909128-011A
Project Name/Location:		**Sample Matrix:**	Air
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 14:57	**Certified Clean WO # :**	
Canister/Tube ID:	A11730	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	9/17/19	5:30:00PM
Prep Batch ID:	1116708	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	30.00	40	90	ND	ND		09/18/19	8:44	BA	442493
1,2-Dichlorobenzene	ETO15	30.00	32	90	ND	ND		09/18/19	8:44	BA	442493
Hexachlorobutadiene	ETO15	30.00	56	160	ND	ND		09/18/19	8:44	BA	442493
1,2,4-Trichlorobenzene	ETO15	30.00	65	110	ND	ND		09/18/19	8:44	BA	442493
Naphthalene	ETO15	30.00	38	79	ND	ND		09/18/19	8:44	BA	442493
(S) 4-Bromofluorobenzene	ETO15	30.00	50	150	110 %			09/18/19	8:44	BA	442493

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/17/19	**Prep Batch:**	1116708
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442493
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Vinyl Chloride	0.088	0.50	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	
(S) 4-Bromofluorobenzene			94	

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/18/19	**Prep Batch:**	1116757
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442529
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	0.091	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	0.13	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	0.57	
Methylene Chloride	0.20	3.0	2.0	
Acetone	0.17	5.0	3.2	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	0.38	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	0.28	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/18/19	**Prep Batch:**	1116757
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442529
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
2-Butanone (MEK)	0.13	0.50	0.19	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	0.086	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	0.15	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			100	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/19/19	**Prep Batch:**	1116771
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442533
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	1.9	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	0.16	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	0.18	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/19/19	**Prep Batch:**	1116771
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442533
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
(S) 4-Bromofluorobenzene			100	

Work Order:	1909128	**Prep Method:**	FG-P	**Prep Date:**	09/19/19	**Prep Batch:**	1116772
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442534
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	22	100	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909128	**Prep Method:**	FG-P	**Prep Date:**	09/20/19	**Prep Batch:**	1116799
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442561
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Carbon Dioxide	100	500	ND		
Ethene	110	500	ND		
Ethane	130	500	ND		
Hydrogen	180	500	ND		
Oxygen	110	500	ND		
Nitrogen	260	500	ND		
Methane	23	50	ND		
Carbon Monoxide	200	500	ND		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/17/19	**Prep Batch:**	1116708
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442493
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50		8.00	105	96.1	9.06	65 - 135	30	
Benzene	0.14	0.50		8.00	85.9	79.4	7.87	65 - 135	30	
Trichloroethylene	0.15	0.50		8.00	90.2	80.1	11.9	65 - 135	30	
Toluene	0.20	0.50		8.00	89.4	81.2	9.66	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	87.0	80.0	8.38	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	102	100		50 - 150		

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/18/19	**Prep Batch:**	1116757
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442529
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	93.6	97.3	3.80	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	76.3	83.2	8.61	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	81.3	86.3	5.96	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	81.0	87.9	8.14	65 - 135	30	
Chlorobenzene	0.13	0.50	0.091	8.00	79.4	80.4	1.25	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	102	99.5		50 - 150		

Work Order:	1909128	**Prep Method:**	TO15-P	**Prep Date:**	09/19/19	**Prep Batch:**	1116771
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442533
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	94.8	103	8.34	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	86.1	91.1	5.64	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	127	124	1.50	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	99.5	102	1.99	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	101	103	1.59	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	97.6	98.0		50 - 150		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909128	**Prep Method:**	FG-P	**Prep Date:**	09/19/19	**Prep Batch:**	1116772
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442534
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	22	100	ND	2500	90.3	87.4	3.15	65 - 135	30	

Work Order:	1909128	**Prep Method:**	FG-P	**Prep Date:**	09/20/19	**Prep Batch:**	1116799
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442561
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Carbon Dioxide	100	500	ND	2500	81.8	73.7	10.3	65 - 135	30	
Ethene	110	500	ND	2500	73.4	68.1	7.91	65 - 135	30	
Ethane	130	500	ND	2500	73.6	68.1	7.91	65 - 135	30	
Hydrogen	180	500	ND	2500	92.8	88.7	4.41	65 - 135	30	
Oxygen	110	500	ND	2500	98.4	102	3.59	65 - 135	30	
Nitrogen	260	500	ND	2500	81.5	72.2	12.5	65 - 135	30	
Methane	230	500	ND	2500	83.2	80.2	3.42	65 - 135	30	
Carbon Monoxide	200	500	ND	2500	81.8	88.7	7.96	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Langan

Project Name:

Work Order No.: 1909128

Date and Time Received: 9/16/2019 1:00:00PM

Received By: KE

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	No
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A
pH Checked by: na	pH Adjusted by: na

Comments:

CoC received enclosed in box with summas--not signed as relinquished or by courier. Client e-mailed over CoC copies with more information on testing and sample times.

Torrent LABORATORY, INC.

Login Summary Report

Client ID:	TL5493	Langan	**QC Level:**	II
Project Name:			**TAT Requested:**	3 Day Std:3
Project # :	770654001		**Date Received:**	9/16/2019
Report Due Date:	9/19/2019		**Time Received:**	1:00 pm

Comments:

Work Order # : ***1909128***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909128-001A	EB-12S-SV	09/13/19 14:04	Air				VOC_A_TO15 VOC_A_FG D1946	
Sample Note:	Samples 001/005/008/010 1946 list is for He, O2, N2, CO2, CH4, CO. All other samples, He only							
1909128-002A	EB-12D-SV	09/13/19 13:38	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-003A	EB-8S-SV	09/13/19 14:57	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-004A	EB-8D-SV	09/13/19 14:44	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-005A	EB-5S-SV	09/13/19 15:31	Air				VOC_A_TO15 VOC_A_FG D1946	
1909128-006A	EB-5D-SV	09/13/19 15:24	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-007A	EB-1S-SV	09/13/19 16:24	Air				VOC_A_TO15 VOC_A_FG D1946	
1909128-008A	EB-1D-SV	09/13/19 16:17	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-009A	EB-19S-SV	09/13/19 17:03	Air				VOC_A_FG D1946 VOC_A_TO15	
1909128-010A	EB-19D-SV	09/13/19 17:03	Air				VOC_A_TO15 VOC_A_FG D1946	
1909128-011A	DUP-1-SV	09/13/19 14:57	Air				VOC_A_TO15 VOC_A_FG D1946	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1909128

Company Name: Langan ☐ Env. ☐ DOD ☐ Food ☐ Special | Project Name:

Address: 1 Almaden Boulevard Suite 590 | Project #

City: San Jose | State: CA | Zip Code: 95113 | Comments:

Telephone: 408-283-3600 | Cell: 862-202-2213 | Email:

REPORT TO: Peter J Cusack | SAMPLER: Mari Fromstein | P.O. # | QUOTE #

TURNAROUND TIME: std - preferred client
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☒ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☒ Air
☐ Waste Water ☐ Wipe
☐ Ground Water ☐ Other
☐ Soil

REPORT FORMAT:
☒ Excel/ EDD
☐ EDF
☒ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	PRES.	TO-15	Helium							REMARKS
001A	3889	EB-12S-SV	09-13-2019 1519 to 1524	SV	1	1 liter	-30 to -4	X	X							
002A	#L0105	EB-12D-SV	9-13-19 13:33-13:38	SV	1	1 liter		X	X							
003A	#A11710	EB-8S-SV	9-13-19 14:50-1457	SV	1	1 liter		X	X							#A11710
004A	#6323	EB-8D-SV	9-13-19 14:38-14:44	SV	1	1 liter		X	X							
005A	#A7463	EB-5S-SV	9-13-19 15:29-15:31	SV	1	1 liter										
006A	#A7559	EB-5D-SV	9-13-19 15:19-15:24	SV	1	1 liter										#A7559
007A	#1439	EB-1S-SV	9-13-19 16:12-16:24	SV	1	1 liter										
008A	#N3968	EB-1D-SV	9-13-19	SV	1	1 liter										
009A	#N3988	EB-19S-SV	9-13-19 16:57-17:03	SV	1	1 liter										
010A	#A11732	EB-19D-SV	9-13-19 16:57-17:02	SV	1	1 liter										

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1					Karrie		9-16-19	13:00
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☐ Yes ☒ NO Method of Shipment Fed Ex Corp Sample seals intact? ☐ Yes ☐ NO ☐ ~~N/A~~

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp. Gun # _____ Temp _____ °C @ Page ____ of ____

Log In By: Date: Labeled By: Date: Log In Reviewed By Summas rec'd Date ambient temp

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Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1909128

Company Name: ☐ Env. ☐ DOD ☐ Food ☐ Special | Project Name:

Address: 1 Almaden Boulevard Suite 590 | Project #

City: San Jose | State: CA | Zip Code: 95113 | Comments:

Telephone: 408-283-3600 | Cell: 862-202-2213 | Email:

REPORT TO: Peter J Cusack | SAMPLER: Mari Fromstein | P.O. # | QUOTE #

TURNAROUND TIME: std - preferred client
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☒ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☒ Air
☐ Waste Water ☐ Wipe
☐ Ground Water ☐ Other
☐ Soil

REPORT FORMAT:
☒ Excel/ EDD
☐ EDF
☒ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	PRES.	TO-15	Helium							REMARKS
01	#A11730	DUP-1-SV	9-13-19	SV	1	1 liter		x	x							#A11730

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1					Kanthp	CWOS	9-16-19	13:00
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☑ Yes ☐ NO | Samples on Ice? ☐ Yes ☑ NO | Method of Shipment: Fed Ex Cefy | Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp. Gun # _____ Temp _____ °C Page ____ of ____

Log In By: _____ Date: | Labeled By: | Date: | Log In Reviewed By: Summas received @ ambient temp

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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1909128

Company Name: Langan ☐ Env. ☐ DOD ☐ Food ☐ Special | Project Name:

Address: 1 Almaden Boulevard Suite 590 | Project # 770654001

City: San Jose State: CA Zip Code: 95113 | Comments:

Telephone: 408-283-3600 Cell: 862-202-2213 | Email: pcusack@langan.com; mpatil@langan.com;

REPORT TO: Peter J Cusack SAMPLER: Mari Fromstein | P.O. # mfromstein@langan.com; QUOTE # cmadsen@langan.com

TURNAROUND TIME: std - preferred client

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☒ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:

☐ Storm Water ☒ Air
☐ Waste Water ☐ Wipe
☐ Ground Water ☐ Other
☐ Soil

REPORT FORMAT:

☒ Excel/ EDD
☐ EDF
☒ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	PRES.	TO-15	Helium	Fixed Gas Analysis (O2, N2, CO2, CH4, CO)					REMARKS
001A	N3989	EB-12S-SV	09-13-2019 1400 to 1404	SV	1	1 liter	-30 to -5	X	X	X					
002A	6105	EB-12D-SV	09-13-2019; 1333 to 1338	SV	1	1 liter	-30 to -5	X	X						
003A	A11710	EB-8S-SV	09-13-2019 1450 to 1457	SV	1	1 liter	-30 to -5	X	X						
004A	6323	EB-8D-SV	09-13-2019 1438 to 1444	SV	1	1 liter	-28 to -5	X	X						
005A	A7463	EB-5S-SV	09-13-2019 1529 to 1531	SV	1	1 liter	-30 to -5	X	X	X					
006A	A7559	EB-5D-SV	09-13-2019 1519 to 1524	SV	1	1 liter	-30 to -4	X	X						
007A	N1439	EB-1S-SV	09-13-2019 1612 to 1624	SV	1	1 liter	-30 to -5	X	X						
008A	N3968	EB-1D-SV	09-13-2019 1612 to 1617	SV	1	1 liter	-30 to -5	X	X	X					
009A	N3988	EB-19S-SV	09-13-2019 1657 to 1703	SV	1	1 liter	-30 to -5	X	X						
010A	A11732	EB-19D-SV	09-13-2019 1657 to 1702	SV	1	1 liter	-30 to -5	X	X	X					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1								
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp. Gun # Temp ____ °C Page ____ of ____

Log In By _____ Date _____ Labeled By _____ Date _____ Log In Reviewed By _____ Date _____

Rev 3

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CHAIN OF CUSTODY

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LAB WORK ORDER NO: 1909128

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Address: 1 Almaden Boulevard Suite 590 | Project #

City: San Jose State: CA Zip Code: 95113 | Comments:

Telephone: 408-283-3600 Cell: 862-202-2213 | Email:

REPORT TO: Peter J Cusack SAMPLER: Mari Fromstein | P.O. # QUOTE #

TURNAROUND TIME: std - preferred client

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☒ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:

☐ Storm Water ☒ Air
☐ Waste Water ☐ Wipe
☐ Ground Water ☐ Other
☐ Soil

REPORT FORMAT:

☒ Excel/ EDD
☐ EDF
☒ QC Level III
☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	PRES.	TO-15	Helium						REMARKS
01A	A11730	DUP-1-SV	09-13-2019	SV	1	1 liter	-30 to -5	X	X						

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1								
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp. Gun # _____ Temp _____ °C Page ____ of ____

Log In By _____ Date _____ Labeled By _____ Date: _____ Log In Reviewed By: _____ Date: _____

Rev 3

Torrent
LABORATORY, INC.

Langan
555 Montgomery Street, Suite 1300
San Francisco, California 94111
Tel: 415-955-9040

RE: DTSM Drilling

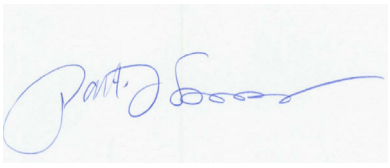
Work Order No.: 1909147

Dear Mukta Patil:

Torrent Laboratory, Inc. received 2 sample(s) on September 17, 2019 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Patti L Sandrock
QA Officer

September 24, 2019
Date

Date: 9/24/2019

Client: Langan

Project: DTSM Drilling

Work Order: 1909147

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

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Due to the conditions at the sampling site, only 1 1L amber could be collected per sample for both TPH diesel/motor oil and SVOC analyses. After consultation with the client, analyses proceeded with reduced volume for both analyses, and SVOCs analyzed by 8270SIM.

Analytical Comments for method 6010B, 1909147-001B MS/MSD, QC Analytical Preparation ID 1116754, Note:The % recoveries for Antimony are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Analytical Comments for method 7470A, 1909147-001B MS/MSD, QC Analytical Preparation ID 1116755, Note:The % recoveries for Mercury are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 09/24/19

EB-6-GW 1909147-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	29	50	163	ug/L
Arsenic	SW6010B	1	0.0040	0.010	0.0136	mg/L
Barium	SW6010B	1	0.0010	0.0050	0.530	mg/L
Chromium	SW6010B	1	0.0010	0.0050	0.214	mg/L
Cobalt	SW6010B	1	0.0010	0.0050	0.0471	mg/L
Copper	SW6010B	1	0.0020	0.0050	0.0822	mg/L
Lead	SW6010B	1	0.0014	0.010	0.0110	mg/L
Nickel	SW6010B	1	0.0020	0.0050	0.321	mg/L
Vanadium	SW6010B	1	0.0020	0.0050	0.159	mg/L
Zinc	SW6010B	1	0.0020	0.010	0.172	mg/L
TPH as Diesel	SW8015B	1	0.074	0.20	0.201	mg/L
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	5.3	ug/L
Chloroform	SW8260B	1	0.12	0.50	0.55	ug/L
Trichloroethylene	SW8260B	1	0.15	0.50	4.7	ug/L
Tetrachloroethylene	SW8260B	1	0.24	0.50	85	ug/L

EB-11-GW 1909147-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	29	50	80.6	ug/L
Arsenic	SW6010B	1	0.0040	0.010	0.0182	mg/L
Barium	SW6010B	1	0.0010	0.0050	2.47	mg/L
Chromium	SW6010B	1	0.0010	0.0050	0.314	mg/L
Cobalt	SW6010B	1	0.0010	0.0050	0.211	mg/L
Copper	SW6010B	1	0.0020	0.0050	0.208	mg/L
Lead	SW6010B	1	0.0014	0.010	0.0230	mg/L
Nickel	SW6010B	1	0.0020	0.0050	0.728	mg/L
Vanadium	SW6010B	1	0.0020	0.0050	0.243	mg/L
Zinc	SW6010B	1	0.0020	0.010	0.458	mg/L
TPH as Diesel	SW8015B	1	0.097	0.26	0.748	mg/L
TPH as Motor Oil	SW8015B	1	0.29	1.1	1.34	mg/L
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	2.0	ug/L
Chloroform	SW8260B	1	0.12	0.50	0.82	ug/L
Trichloroethylene	SW8260B	1	0.15	0.50	2.4	ug/L
Tetrachloroethylene	SW8260B	1	0.24	0.50	23	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19 5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Pyridine	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
N-Nitrosdimethylamine	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Aniline	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Phenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Bis(2-chloroethyl) ether	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2-Chlorophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,3-Dichlorobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,4-Dichlorobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Benzyl Alcohol	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,2-Dichlorobenzene	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2-Methylphenol (o-Cresol)	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Bis(2-chloroisopropyl)ether	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
3-/4-Methylphenol (p-/m-Cresol)	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
N-nitroso-di-n-propylamine	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Hexachloroethane	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Nitrobenzene	SW8270	1	2.00	40	ND		ug/L	09/19/19	3:12	MT	442557
Isophorone	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2-Nitrophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,4-Dimethylphenol	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Benzoic Acid	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Bis(2-Chloroethoxy)methane	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,4-Dichlorophenol	SW8270	1	0.400	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,2,4-Trichlorobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,6-Dichlorophenol	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Naphthalene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
4-Chloroaniline	SW8270	1	0.400	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Hexachloro-1,3-butadiene	SW8270	1	1.00	40	ND		ug/L	09/19/19	3:12	MT	442557
4-Chloro-3-methylphenol	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2-Methylnaphthalene	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1-Methylnaphthalene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Hexachlorocyclopentadiene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,4,6-Trichlorophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,4,5-Trichlorophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2-Chloronaphthalene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
2-Nitroaniline	SW8270	1	2.00	20	ND		ug/L	09/19/19	3:12	MT	442557

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19	5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,4-Dinitrobenzene	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Dimethyl phthalate	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,3-Dinitrobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Acenaphthylene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
2,6-Dinitrotoluene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
1,2-Dinitrobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
3-Nitroaniline	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Acenaphthene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,4-Dinitrophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
4-Nitrophenol	SW8270	1	2.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Dibenzofuran	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
2,4-Dinitrotoluene	SW8270	1	0.400	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,3,5,6-Tetrachlorophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
2,3,4,6-Tetrachlorophenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Diethylphthalate	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Fluorene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
4-Chlorophenyl phenyl ether	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
4-Nitroaniline	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
4,6-Dinitro-2-methylphenol	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Diphenylamine	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Azobenzene	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
4-Bromophenyl phenyl ether	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Hexachlorobenzene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Pentachlorophenol	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Phenanthrene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Anthracene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Carbazole	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Di-n-butylphthalate	SW8270	1	1.00	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Fluoranthene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benzidine	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Pyrene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benzyl butyl phthalate	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benz[a]anthracene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
3,3-Dichlorobenzidine	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Chrysene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19 5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bis(2-Ethylhexyl)phthalate	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Di-n-octyl phthalate	SW8270	1	0.400	8.0	ND		ug/L	09/19/19	3:12	MT	442557
Benzo[b]fluoranthene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benzo[k]fluoranthene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benzo[a]pyrene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Indeno[1,2,3-cd]pyrene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Dibenz[a,h]anthracene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
Benzo[g,h,i]perylene	SW8270	1	0.400	1.2	ND		ug/L	09/19/19	3:12	MT	442557
			Acceptance Limits								
2-Fluorophenol (S)	SW8270		15 - 105		**61.6**		%	09/19/19	3:12	MT	442557
Phenol-d6 (S)	SW8270		15 - 100		**37.3**		%	09/19/19	3:12	MT	442557
Nitrobenzene-d5 (S)	SW8270		30 - 100		**74.4**		%	09/19/19	3:12	MT	442557
2-Fluorobiphenyl (S)	SW8270		30 - 105		**74.2**		%	09/19/19	3:12	MT	442557
2,4,6-Tribromophenol (S)	SW8270		15 - 125		**87.6**		%	09/19/19	3:12	MT	442557
p-Terphenyl-d14 (S)	SW8270		30 - 125		**89.5**		%	09/19/19	3:12	MT	442557

NOTE: Reporting limits were raised due to limited sample volume (<1000 ml)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	9/17/19 9:38:00PM
Prep Batch ID:	1116670	**Prep Analyst:**	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.074	0.20	**0.201**	x	mg/L	09/18/19	18:11	MK	442476
TPH as Motor Oil	SW8015B	1	0.22	0.80	ND		mg/L	09/18/19	18:11	MK	442476
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**75.8**		%	09/18/19	18:11	MK	442476

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001B
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	7470AP	**Prep Batch Date/Time:**	9/19/19	4:10:00PM
Prep Batch ID:	1116755	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7470A	1	0.00013	0.00020	ND		mg/L	09/20/19	11:25	BJAY	442553

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001B
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	3010B	**Prep Batch Date/Time:**	9/19/19	4:10:00PM
Prep Batch ID:	1116754	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.0050	0.010	ND		mg/L	09/20/19	11:42	PPATEL	442569
Arsenic	SW6010B	1	0.0040	0.010	**0.0136**		mg/L	09/20/19	11:42	PPATEL	442569
Barium	SW6010B	1	0.0010	0.0050	**0.530**		mg/L	09/20/19	11:42	PPATEL	442569
Beryllium	SW6010B	1	0.0010	0.0050	ND		mg/L	09/20/19	11:42	PPATEL	442569
Cadmium	SW6010B	1	0.0020	0.0050	ND		mg/L	09/20/19	11:42	PPATEL	442569
Chromium	SW6010B	1	0.0010	0.0050	**0.214**		mg/L	09/20/19	11:42	PPATEL	442569
Cobalt	SW6010B	1	0.0010	0.0050	**0.0471**		mg/L	09/20/19	11:42	PPATEL	442569
Copper	SW6010B	1	0.0020	0.0050	**0.0822**		mg/L	09/20/19	11:42	PPATEL	442569
Lead	SW6010B	1	0.0014	0.010	**0.0110**		mg/L	09/20/19	11:42	PPATEL	442569
Molybdenum	SW6010B	1	0.0020	0.010	ND		mg/L	09/20/19	11:42	PPATEL	442569
Nickel	SW6010B	1	0.0020	0.0050	**0.321**		mg/L	09/20/19	11:42	PPATEL	442569
Selenium	SW6010B	1	0.0070	0.010	ND		mg/L	09/20/19	11:42	PPATEL	442569
Silver	SW6010B	1	0.0040	0.010	ND		mg/L	09/20/19	11:42	PPATEL	442569
Thallium	SW6010B	1	0.0040	0.015	ND		mg/L	09/20/19	11:42	PPATEL	442569
Vanadium	SW6010B	1	0.0020	0.0050	**0.159**		mg/L	09/20/19	11:42	PPATEL	442569
Zinc	SW6010B	1	0.0020	0.010	**0.172**		mg/L	09/20/19	11:42	PPATEL	442569

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	9/19/19 10:20:00AM
Prep Batch ID:	1116768	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Methylene Chloride	SW8260B	1	0.13	1.0	ND		ug/L	09/19/19	18:46	BP	442532
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	18:46	BP	442532
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	09/19/19	18:46	BP	442532
tert-Butanol	SW8260B	1	2.9	5.0	ND		ug/L	09/19/19	18:46	BP	442532
DIPE	SW8260B	1	0.12	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	09/19/19	18:46	BP	442532
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	09/19/19	18:46	BP	442532
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	**5.3**		ug/L	09/19/19	18:46	BP	442532
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Chloroform	SW8260B	1	0.12	0.50	**0.55**		ug/L	09/19/19	18:46	BP	442532
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Benzene	SW8260B	1	0.065	0.50	ND		ug/L	09/19/19	18:46	BP	442532
TAME	SW8260B	1	0.072	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Trichloroethylene	SW8260B	1	0.15	0.50	**4.7**		ug/L	09/19/19	18:46	BP	442532
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	18:46	BP	442532
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Tetrachloroethylene	SW8260B	1	0.24	0.50	**85**		ug/L	09/19/19	18:46	BP	442532
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	09/19/19	18:46	BP	442532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	9/19/19 10:20:00AM
Prep Batch ID:	1116768	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Ethylbenzene	SW8260B	1	0.20	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	09/19/19	18:46	BP	442532
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	09/19/19	18:46	BP	442532
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	18:46	BP	442532
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	09/19/19	18:46	BP	442532
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	09/19/19	18:46	BP	442532
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	18:46	BP	442532
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	18:46	BP	442532
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	09/19/19	18:46	BP	442532
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	09/19/19	18:46	BP	442532
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	09/19/19	18:46	BP	442532
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	18:46	BP	442532
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	09/19/19	18:46	BP	442532
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	09/19/19	18:46	BP	442532
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	09/19/19	18:46	BP	442532
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	09/19/19	18:46	BP	442532
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	09/19/19	18:46	BP	442532
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**113**		%	09/19/19	18:46	BP	442532
(S) Toluene-d8	SW8260B		75.1 - 127		**95.0**		%	09/19/19	18:46	BP	442532
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**96.0**		%	09/19/19	18:46	BP	442532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-6-GW	**Lab Sample ID:**	1909147-001C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:40		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	9/19/19	10:20:00AM
Prep Batch ID:	1116770	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	**163**	x	ug/L	09/19/19	18:46	BP	442532
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**88.4**		%	09/19/19	18:46	BP	442532

NOTE: x - Does not match pattern of reference Gasoline standard. Reported value is the result of discrete peaks of non-gasoline compounds within the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19 5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Pyridine	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
N-Nitrosdimethylamine	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Aniline	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Phenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Bis(2-chloroethyl) ether	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
2-Chlorophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
1,3-Dichlorobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
1,4-Dichlorobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Benzyl Alcohol	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
1,2-Dichlorobenzene	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
2-Methylphenol (o-Cresol)	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Bis(2-chloroisopropyl)ether	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
3-/4-Methylphenol (p-/m-Cresol)	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
N-nitroso-di-n-propylamine	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Hexachloroethane	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Nitrobenzene	SW8270	1	2.65	53	ND		ug/L	09/19/19	3:42	MT	442557
Isophorone	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
2-Nitrophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,4-Dimethylphenol	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Benzoic Acid	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Bis(2-Chloroethoxy)methane	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
2,4-Dichlorophenol	SW8270	1	0.529	11	ND		ug/L	09/19/19	3:42	MT	442557
1,2,4-Trichlorobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,6-Dichlorophenol	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Naphthalene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
4-Chloroaniline	SW8270	1	0.529	11	ND		ug/L	09/19/19	3:42	MT	442557
Hexachloro-1,3-butadiene	SW8270	1	1.32	53	ND		ug/L	09/19/19	3:42	MT	442557
4-Chloro-3-methylphenol	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
2-Methylnaphthalene	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
1-Methylnaphthalene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Hexachlorocyclopentadiene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,4,6-Trichlorophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,4,5-Trichlorophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2-Chloronaphthalene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
2-Nitroaniline	SW8270	1	2.65	26	ND		ug/L	09/19/19	3:42	MT	442557

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19	5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,4-Dinitrobenzene	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Dimethyl phthalate	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
1,3-Dinitrobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Acenaphthylene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
2,6-Dinitrotoluene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
1,2-Dinitrobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
3-Nitroaniline	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Acenaphthene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,4-Dinitrophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
4-Nitrophenol	SW8270	1	2.65	11	ND		ug/L	09/19/19	3:42	MT	442557
Dibenzofuran	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
2,4-Dinitrotoluene	SW8270	1	0.529	11	ND		ug/L	09/19/19	3:42	MT	442557
2,3,5,6-Tetrachlorophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
2,3,4,6-Tetrachlorophenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Diethylphthalate	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Fluorene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
4-Chlorophenyl phenyl ether	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
4-Nitroaniline	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
4,6-Dinitro-2-methylphenol	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Diphenylamine	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Azobenzene	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
4-Bromophenyl phenyl ether	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Hexachlorobenzene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Pentachlorophenol	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Phenanthrene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Anthracene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Carbazole	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Di-n-butylphthalate	SW8270	1	1.32	11	ND		ug/L	09/19/19	3:42	MT	442557
Fluoranthene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benzidine	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Pyrene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benzyl butyl phthalate	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benz[a]anthracene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
3,3-Dichlorobenzidine	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Chrysene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	3510_BNASIM	**Prep Batch Date/Time:**	9/18/19 5:23:00PM
Prep Batch ID:	1116725	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bis(2-Ethylhexyl)phthalate	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Di-n-octyl phthalate	SW8270	1	0.529	11	ND		ug/L	09/19/19	3:42	MT	442557
Benzo[b]fluoranthene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benzo[k]fluoranthene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benzo[a]pyrene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Indeno[1,2,3-cd]pyrene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Dibenz[a,h]anthracene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
Benzo[g,h,i]perylene	SW8270	1	0.529	1.6	ND		ug/L	09/19/19	3:42	MT	442557
			Acceptance Limits								
2-Fluorophenol (S)	SW8270		15 - 105		**56.1**		%	09/19/19	3:42	MT	442557
Phenol-d6 (S)	SW8270		15 - 100		**35.5**		%	09/19/19	3:42	MT	442557
Nitrobenzene-d5 (S)	SW8270		30 - 100		**65.0**		%	09/19/19	3:42	MT	442557
2-Fluorobiphenyl (S)	SW8270		30 - 105		**71.3**		%	09/19/19	3:42	MT	442557
2,4,6-Tribromophenol (S)	SW8270		15 - 125		**94.6**		%	09/19/19	3:42	MT	442557
p-Terphenyl-d14 (S)	SW8270		30 - 125		**88.6**		%	09/19/19	3:42	MT	442557

NOTE: Reporting limits were raised due to limited sample volume (<1000 ml)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	9/17/19 9:38:00PM
Prep Batch ID:	1116670	**Prep Analyst:**	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.097	0.26	**0.748**	x	mg/L	09/18/19	18:35	MK	442476
TPH as Motor Oil	SW8015B	1	0.29	1.1	**1.34**		mg/L	09/18/19	18:35	MK	442476
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**79.8**		%	09/18/19	18:35	MK	442476

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002B
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	7470AP	**Prep Batch Date/Time:**	9/19/19	4:10:00PM
Prep Batch ID:	1116755	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7470A	1	0.00013	0.00020	ND		mg/L	09/20/19	11:31	BJAY	442553

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002B
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	3010B	**Prep Batch Date/Time:**	9/19/19	4:10:00PM
Prep Batch ID:	1116754	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.0050	0.010	ND		mg/L	09/20/19	11:54	PPATEL	442569
Arsenic	SW6010B	1	0.0040	0.010	**0.0182**		mg/L	09/20/19	11:54	PPATEL	442569
Barium	SW6010B	1	0.0010	0.0050	**2.47**		mg/L	09/20/19	11:54	PPATEL	442569
Beryllium	SW6010B	1	0.0010	0.0050	ND		mg/L	09/20/19	11:54	PPATEL	442569
Cadmium	SW6010B	1	0.0020	0.0050	ND		mg/L	09/20/19	11:54	PPATEL	442569
Chromium	SW6010B	1	0.0010	0.0050	**0.314**		mg/L	09/20/19	11:54	PPATEL	442569
Cobalt	SW6010B	1	0.0010	0.0050	**0.211**		mg/L	09/20/19	11:54	PPATEL	442569
Copper	SW6010B	1	0.0020	0.0050	**0.208**		mg/L	09/20/19	11:54	PPATEL	442569
Lead	SW6010B	1	0.0014	0.010	**0.0230**		mg/L	09/20/19	11:54	PPATEL	442569
Molybdenum	SW6010B	1	0.0020	0.010	ND		mg/L	09/20/19	11:54	PPATEL	442569
Nickel	SW6010B	1	0.0020	0.0050	**0.728**		mg/L	09/20/19	11:54	PPATEL	442569
Selenium	SW6010B	1	0.0070	0.010	ND		mg/L	09/20/19	11:54	PPATEL	442569
Silver	SW6010B	1	0.0040	0.010	ND		mg/L	09/20/19	11:54	PPATEL	442569
Thallium	SW6010B	1	0.0040	0.015	ND		mg/L	09/20/19	11:54	PPATEL	442569
Vanadium	SW6010B	1	0.0020	0.0050	**0.243**		mg/L	09/20/19	11:54	PPATEL	442569
Zinc	SW6010B	1	0.0020	0.010	**0.458**		mg/L	09/20/19	11:54	PPATEL	442569

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	9/19/19 10:20:00AM
Prep Batch ID:	1116768	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Methylene Chloride	SW8260B	1	0.13	1.0	ND		ug/L	09/19/19	19:15	BP	442532
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	19:15	BP	442532
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	09/19/19	19:15	BP	442532
tert-Butanol	SW8260B	1	2.9	5.0	ND		ug/L	09/19/19	19:15	BP	442532
DIPE	SW8260B	1	0.12	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	09/19/19	19:15	BP	442532
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	09/19/19	19:15	BP	442532
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	**2.0**		ug/L	09/19/19	19:15	BP	442532
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Chloroform	SW8260B	1	0.12	0.50	**0.82**		ug/L	09/19/19	19:15	BP	442532
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Benzene	SW8260B	1	0.065	0.50	ND		ug/L	09/19/19	19:15	BP	442532
TAME	SW8260B	1	0.072	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Trichloroethylene	SW8260B	1	0.15	0.50	**2.4**		ug/L	09/19/19	19:15	BP	442532
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	19:15	BP	442532
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Tetrachloroethylene	SW8260B	1	0.24	0.50	**23**		ug/L	09/19/19	19:15	BP	442532
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	09/19/19	19:15	BP	442532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	5030VOC	**Prep Batch Date/Time:**	9/19/19 10:20:00AM
Prep Batch ID:	1116768	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Ethylbenzene	SW8260B	1	0.20	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	09/19/19	19:15	BP	442532
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	09/19/19	19:15	BP	442532
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	19:15	BP	442532
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	09/19/19	19:15	BP	442532
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	09/19/19	19:15	BP	442532
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	09/19/19	19:15	BP	442532
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	09/19/19	19:15	BP	442532
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	09/19/19	19:15	BP	442532
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	09/19/19	19:15	BP	442532
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	09/19/19	19:15	BP	442532
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	09/19/19	19:15	BP	442532
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	09/19/19	19:15	BP	442532
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	09/19/19	19:15	BP	442532
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	09/19/19	19:15	BP	442532
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	09/19/19	19:15	BP	442532
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	09/19/19	19:15	BP	442532
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**117**		%	09/19/19	19:15	BP	442532
(S) Toluene-d8	SW8260B		75.1 - 127		**94.2**		%	09/19/19	19:15	BP	442532
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**95.1**		%	09/19/19	19:15	BP	442532

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 09/24/19

Client Sample ID:	EB-11-GW	**Lab Sample ID:**	1909147-002C
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Groundwater
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 13:25		
SDG:			

Prep Method:	5030GRO	**Prep Batch Date/Time:**	9/19/19	10:20:00AM
Prep Batch ID:	1116770	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	**80.6**	x	ug/L	09/19/19	19:15	torrent	442532
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**80.2**		%	09/19/19	19:15	torrent	442532

NOTE: x - Does not match pattern of reference Gasoline standard. Reported value is the result of discrete peaks of non-gasoline compounds within the C5-C12 Gasoline quantitation range.

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	3510_TPH	**Prep Date:**	09/17/19	**Prep Batch:**	1116670
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442476
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0525	
TPH as Motor Oil	0.11	0.40	ND	
Pentacosane (S)			72.1	

Work Order:	1909147	**Prep Method:**	3510_BNASIM	**Prep Date:**	09/18/19	**Prep Batch:**	1116725
Matrix:	Water	**Analytical Method:**	SW8270	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Pyridine	0.00045	3.6	ND	
N-Nitrosdimethylamine	0.00045	3.6	ND	
Aniline	0.00090	3.6	ND	
Phenol	0.00045	3.6	ND	
Bis(2-chloroethyl) ether	0.00090	3.6	ND	
2-Chlorophenol	0.00045	3.6	ND	
1,3-Dichlorobenzene	0.00045	3.6	ND	
1,4-Dichlorobenzene	0.00045	3.6	ND	
Benzyl Alcohol	0.00090	3.6	ND	
1,2-Dichlorobenzene	0.00090	3.6	ND	
2-Methylphenol (o-Cresol)	0.00090	3.6	ND	
Bis(2-chloroisopropyl)ether	0.00045	3.6	ND	
3-/4-Methylphenol (p-/m-Cresol)	0.00045	3.6	ND	
N-nitroso-di-n-propylamine	0.00090	3.6	ND	
Hexachloroethane	0.00045	3.6	ND	
Nitrobenzene	0.00090	18	ND	
Isophorone	0.00090	3.6	ND	
2-Nitrophenol	0.00045	3.6	ND	
2,4-Dimethylphenol	0.00090	3.6	ND	
Benzoic Acid	0.00045	3.6	ND	
Bis(2-Chloroethoxy)methane	0.00090	3.6	ND	
2,4-Dichlorophenol	0.00018	3.6	ND	
1,2,4-Trichlorobenzene	0.00045	3.6	ND	
2,6-Dichlorophenol	0.00090	3.6	ND	
Naphthalene	0.00018	0.54	0.00754	
4-Chloroaniline	0.00018	3.6	ND	
Hexachloro-1,3-butadiene	0.00045	18	ND	
4-Chloro-3-methylphenol	0.00090	3.6	ND	
2-Methylnaphthalene	0.00090	3.6	0.00428	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	3510_BNASIM	**Prep Date:**	09/18/19	**Prep Batch:**	1116725
Matrix:	Water	**Analytical Method:**	SW8270	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1-Methylnaphthalene	0.00045	3.6	0.00194	
Hexachlorocyclopentadiene	0.00045	3.6	ND	
2,4,6-Trichlorophenol	0.00018	3.6	ND	
2,4,5-Trichlorophenol	0.00045	3.6	ND	
2-Chloronaphthalene	0.00018	0.54	ND	
2-Nitroaniline	0.00090	9.0	ND	
1,4-Dinitrobenzene	0.00090	3.6	ND	
Dimethyl phthalate	0.00090	3.6	0.0144	
1,3-Dinitrobenzene	0.00045	3.6	ND	
Acenaphthylene	0.00018	0.54	0.00194	
2,6-Dinitrotoluene	0.00045	3.6	ND	
1,2-Dinitrobenzene	0.00045	3.6	ND	
3-Nitroaniline	0.00045	3.6	ND	
Acenaphthene	0.00045	3.6	ND	
2,4-Dinitrophenol	0.00045	3.6	ND	
4-Nitrophenol	0.00090	3.6	ND	
Dibenzofuran	0.00018	0.54	ND	
2,4-Dinitrotoluene	0.00018	3.6	ND	
2,3,5,6-Tetrachlorophenol	0.00045	3.6	ND	
2,3,4,6-Tetrachlorophenol	0.00018	3.6	ND	
Diethylphthalate	0.00018	3.6	0.0923	
Fluorene	0.00045	3.6	0.00511	
4-Chlorophenyl phenyl ether	0.00018	3.6	ND	
4-Nitroaniline	0.00045	3.6	ND	
4,6-Dinitro-2-methylphenol	0.00018	3.6	ND	
Diphenylamine	0.00045	3.6	ND	
Azobenzene	0.00045	3.6	ND	
4-Bromophenyl phenyl ether	0.00018	3.6	ND	
Hexachlorobenzene	0.00018	0.54	ND	
Pentachlorophenol	0.00018	0.54	ND	
Phenanthrene	0.00018	0.54	0.0120	
Anthracene	0.00018	0.54	0.00738	
Carbazole	0.00018	0.54	ND	
Di-n-butylphthalate	0.00018	3.6	0.242	
Fluoranthene	0.00018	0.54	0.0208	
Benzidine	0.00018	0.54	ND	
Pyrene	0.00018	0.54	0.0187	
Benzyl butyl phthalate	0.00018	0.54	0.0795	
Benz[a]anthracene	0.00018	0.54	0.0417	
3,3-Dichlorobenzidine	0.00018	0.54	ND	
Chrysene	0.00018	0.54	0.0151	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	3510_BNASIM	**Prep Date:**	09/18/19	**Prep Batch:**	1116725
Matrix:	Water	**Analytical Method:**	SW8270	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Bis(2-Ethylhexyl)phthalate	0.00018	0.54	0.528	
Di-n-octyl phthalate	0.00018	3.6	0.0249	
Benzo[b]fluoranthene	0.00018	0.54	0.0276	
Benzo[k]fluoranthene	0.00018	0.54	0.0297	
Benzo[a]pyrene	0.00018	0.54	0.0253	
Indeno[1,2,3-cd]pyrene	0.00018	0.54	0.0258	
Dibenz[a,h]anthracene	0.00018	0.54	0.0109	
Benzo[g,h,i]perylene	0.00018	0.54	0.0191	
2-Fluorophenol (S)			66.3	
Phenol-d6 (S)			39.8	
Nitrobenzene-d5 (S)			79.9	
2-Fluorobiphenyl (S)			78.3	
2,4,6-Tribromophenol (S)			92.2	
p-Terphenyl-d14 (S)			87.7	

Work Order:	1909147	**Prep Method:**	3010B	**Prep Date:**	09/19/19	**Prep Batch:**	1116754
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442569
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.0050	0.010	ND	
Arsenic	0.0040	0.010	ND	
Barium	0.0010	0.0050	ND	
Beryllium	0.0010	0.0050	ND	
Cadmium	0.0020	0.0050	ND	
Chromium	0.0010	0.0050	ND	
Cobalt	0.0010	0.0050	ND	
Copper	0.0020	0.0050	ND	
Lead	0.0014	0.010	ND	
Molybdenum	0.0020	0.010	ND	
Nickel	0.0020	0.0050	ND	
Selenium	0.0070	0.010	ND	
Silver	0.0040	0.010	ND	
Thallium	0.0040	0.015	ND	
Vanadium	0.0010	0.0050	ND	
Zinc	0.0020	0.010	0.0021	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	7470AP	**Prep Date:**	09/19/19	**Prep Batch:**	1116755
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442553
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Mercury	0.00013	0.00020	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	5030VOC	**Prep Date:**	09/19/19	**Prep Batch:**	1116768
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442532
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909147	**Prep Method:**	5030VOC	**Prep Date:**	09/19/19	**Prep Batch:**	1116768
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442532
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			115	
(S) Toluene-d8			89.4	
(S) 4-Bromofluorobenzene			92.9	

Work Order:	1909147	**Prep Method:**	5030GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116770
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442532
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	29	50	40	
(S) 4-Bromofluorobenzene			86.7	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909147	**Prep Method:**	3510_TPH	**Prep Date:**	09/17/19	**Prep Batch:**	1116670
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442476
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	0.0525	1.0	82.0	81.1	1.10	52 - 115	30	
Pentacosane (S)				200	86.0	82.6		59 - 129		

Work Order:	1909147	**Prep Method:**	3510_BNASIM	**Prep Date:**	09/18/19	**Prep Batch:**	1116725
Matrix:	Water	**Analytical Method:**	SW8270	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	0.45	3.6	ND	20.00	48.0	45.3	5.68	15 - 95	30	
2-Chlorophenol	0.45	3.6	ND	20.00	80.5	79.2	1.88	15 - 105	30	
1,4-Dichlorobenzene	0.45	3.6	ND	10.00	71.6	71.9	0.418	35 - 105	30	
N-nitroso-di-n-propylamine	0.90	3.6	ND	20.00	76.2	77.7	1.95	40 - 115	30	
1,2,4-Trichlorobenzene	0.45	3.6	ND	10.00	74.4	75.2	1.07	45 - 110	30	
4-Chloro-3-methylphenol	0.90	3.6	ND	20.00	91.6	89.4	2.21	15 - 110	30	
Acenaphthene	0.18	0.54	ND	10.00	76.3	79.3	5.68	45 - 110	30	
2,4-Dinitrotoluene	0.18	0.54	ND	10.00	83.4	83.3	0.120	40 - 115	30	
Pentachlorophenol	0.18	0.54	ND	20.00	80.5	79.2	1.88	15 - 120	30	
Pyrene	0.18	0.54	ND	10.00	87.2	85.7	1.74	45 - 125	30	
2-Fluorophenol (S)				11110	71.9	69.6		15 - 105		
Phenol-d6 (S)				11110	45.8	43.2		15 - 100		
Nitrobenzene-d5 (S)				5556	77.4	80.5		30 - 100		
2-Fluorobiphenyl (S)				5556	74.7	79.1		30 - 105		
2,4,6-Tribromophenol (S)				11110	96.0	95.8		15 - 125		
p-Terphenyl-d14 (S)				5556	94.7	93.7		30 - 125		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909147	**Prep Method:**	3010B	**Prep Date:**	09/19/19	**Prep Batch:**	1116754
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442569
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.0050	0.010	ND	1	102	102	0.000	80 - 120	20	
Arsenic	0.0040	0.010	ND	1	103	104	0.966	80 - 120	20	
Barium	0.0010	0.0050	ND	1	103	105	1.92	80 - 120	20	
Beryllium	0.0010	0.0050	ND	1	101	103	1.96	80 - 120	20	
Cadmium	0.0020	0.0050	ND	1	102	104	1.94	80 - 120	20	
Chromium	0.0010	0.0050	ND	1	102	105	2.90	80 - 120	20	
Cobalt	0.0010	0.0050	ND	1	103	105	1.92	80 - 120	20	
Copper	0.0020	0.0050	ND	1	100	103	2.96	80 - 120	20	
Lead	0.0014	0.010	ND	1	103	105	1.92	80 - 120	20	
Molybdenum	0.0020	0.010	ND	1	103	105	1.92	80 - 120	20	
Nickel	0.0020	0.0050	ND	1	103	107	3.81	80 - 120	20	
Selenium	0.0070	0.010	ND	1	103	104	0.966	80 - 120	20	
Silver	0.0040	0.010	ND	1	101	102	0.985	80 - 120	20	
Thallium	0.0040	0.015	ND	1	103	104	0.966	80 - 120	20	
Vanadium	0.0020	0.0050	ND	1	102	105	2.90	80 - 120	20	
Zinc	0.0020	0.010	0.0021	1	102	106	3.85	80 - 120	20	

Work Order:	1909147	**Prep Method:**	7470AP	**Prep Date:**	09/19/19	**Prep Batch:**	1116755
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442553
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.00013	0.00020	ND	0.015	94.6	93.3	1.42	80 - 120	20	

Work Order:	1909147	**Prep Method:**	5030VOC	**Prep Date:**	09/19/19	**Prep Batch:**	1116768
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442532
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	110	113	2.01	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	103	107	3.73	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	97.5	103	5.04	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	103	106	2.14	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	99.9	103	3.31	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	115	113		61.2 - 131		
(S) Toluene-d8				17.9	102	102		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	95.5	99.0		64.1 - 120		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909147	**Prep Method:**	5030GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116770
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442532
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	40	238	98.1	109	11.0	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	93.4	103		41.5 - 125		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909147	**Prep Method:**	3010B	**Prep Date:**	09/19/19	**Prep Batch:**	1116754
Matrix:	**Water**	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442569
Spiked Sample:	1909147-001B						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.00500	0.0100	ND	1	73.4	73.2	0.271	75 - 125	20	S
Arsenic	0.00400	0.0100	0.0136	1	100	101	0.976	75 - 125	20	
Barium	0.00200	0.00500	0.530	1	100	102	1.30	75 - 125	20	
Beryllium	0.00100	0.00500	ND	1	101	101	0.985	75 - 125	20	
Cadmium	0.00200	0.00500	ND	1	101	102	0.985	75 - 125	20	
Chromium	0.00100	0.00500	0.214	1	104	106	1.59	75 - 125	20	
Cobalt	0.00100	0.00500	0.0471	1	96.5	97.6	0.985	75 - 125	20	
Copper	0.00200	0.00500	0.0822	1	103	104	0.000	75 - 125	20	
Lead	0.00140	0.0100	0.0110	1	97.0	98.6	1.62	75 - 125	20	
Molybdenum	0.00200	0.0100	ND	1	98.3	98.6	0.307	75 - 125	20	
Nickel	0.00200	0.00500	0.321	1	101	102	0.749	75 - 125	20	
Selenium	0.00700	0.0100	ND	1	99.5	102	2.49	75 - 125	20	
Silver	0.00400	0.0100	ND	1	104	104	0.966	75 - 125	20	
Thallium	0.00400	0.0150	ND	1	95.4	97.6	2.35	75 - 125	20	
Vanadium	0.00200	0.00500	0.159	1	103	105	1.67	75 - 125	20	
Zinc	0.00200	0.0100	0.172	1	98.1	98.6	0.866	75 - 125	20	

Work Order:	1909147	**Prep Method:**	7470AP	**Prep Date:**	09/19/19	**Prep Batch:**	1116755
Matrix:	**Water**	**Analytical Method:**	SW7470A	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442553
Spiked Sample:	1909147-002B						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.000130	0.000200	ND	0.015	47.2	46.3	1.98	75 - 125	20	S

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Langan

Project Name: DTSM Drilling

Work Order No.: 1909147

Date and Time Received: 9/17/2019 1:30:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	No

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?	No	Temperature: 11.0	°C
Water-VOA vials have zero headspace?	Yes		
Water-pH acceptable upon receipt?	N/A		

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Insufficient unpreserved sample volume available for SVOC and TPH-d/mo analyses (only one amber received per sample)-pending client instruction on how to proceed >> Per client request, split sample for both tests, and run 8270 by SIM. CoC e-mailed by client

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 9/24/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909147***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909147-001A	EB-6-GW	09/12/19 13:40	Water	10/27/19			TPHDO_W_8015B(M) SVOC_W_SIMFull	
Sample Note:	*Sample expires Thu.9/19* Both SVOC & TPH-d/mo requested, but only one amber received per sample >> Per client request, split sample for both tests, and run SVOCs by 8270SIM.							
1909147-001B	EB-6-GW	09/12/19 13:40	Water	10/27/19			Met_W_CAM17_6010 B Hg_W_7470A	
1909147-001C	EB-6-GW	09/12/19 13:40	Water	10/27/19			VOC_W_8260B VOC_W_GRO	
1909147-002A	EB-11-GW	09/12/19 13:25	Water	10/27/19			TPHDO_W_8015B(M) SVOC_W_SIMFull	
1909147-002B	EB-11-GW	09/12/19 13:25	Water	10/27/19			Met_W_CAM17_6010 B Hg_W_7470A	
1909147-002C	EB-11-GW	09/12/19 13:25	Water	10/27/19			VOC_W_8260B VOC_W_GRO	

Torrent LABORATORY, INC.

12330

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

1909147

555 Montgomery Street, Suite 1300, San Francisco, CA 94111
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: DTSM Drilling
Job Number: 770654001
Project Manager\Contact: Mukta Patil and Peter Cusack
Samplers: MF
Recorder (Signature Required): [signature]

Turnaround Time: STD

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	#	Analysis Requested: CAM-17	TPH(g,d,mo)	VOCs	SVOCs	Silica gel clean-up	Hold	Remarks
001 HOK EB-6-GW	9/12/19	~~1324~~ 1340			X			X		XX		5	X	X	X	X			Containers include 1 unpreserv amber, 3 HCl VOAs, 1 HNO_3 jar MF
002 HOK EB-11-GW	9/12/19	1325			X			X		XX		5	X	X	X	X			

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
*COC received via email 9/17/19			FedEx (courier)		
FedEx (courier)	Date:	Time	[signature] / Torrent Lab	9/17/19	1330
Relinquished by. (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☒ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co Name)

White Copy - Original | Yellow Copy - Laboratory | Pink Copy - Field | COC Number:

FedEx City Temp = 11° C #2

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Langan
555 Montgomery Street, Suite 1300
San Francisco, California 94111
Tel: 415-955-9040

RE: DTSM Drilling

Work Order No.: 1909150 Rev: 4

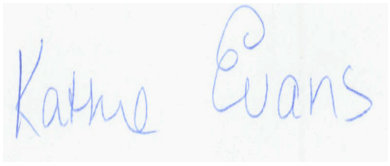
Dear Mukta Patil:

Torrent Laboratory, Inc. received 26 sample(s) on September 17, 2019 for the analyses presented in the following Report.

As requested on the Chain of Custody, 10 samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

October 07, 2019
Date

Torrent LABORATORY, INC.

Date: 10/7/2019

Client: Langan

Project: DTSM Drilling

Work Order: 1909150

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Asbestos analysis was sub-contracted to ELAP certified laboratory EMSL. Sub-contract data will follow under a separate cover.

Analytical Comment for 8260 VOCs, 1909150-001A MSD, QC Preparation Batch ID 1116822, Note:The % recovery for the 4-BFB surrogate in the MS is outside of laboratory control limits (high bias) but all assocaited compound were receovered within control limits. No corrective action is required.

Analytical Comments for method 6010B, 1909150-013A MS/MSD, QC Analytical Preparation ID 1116736, Note:The % recoveries for Barium and Copper are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include sub-contracted Asbestos data. Data appears as an attachment to the Torrent generated report.

Rev. 1 (9/25/19)

Report revised to include STLC and TCLP data on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 9/30/19 at 10:00 AM to 10/2/19 at 10:15 AM

TCLP

Note: Extraction of 100 g sample/2000 g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (SW-846 1311 TCLP) which was rotated in a rotary shaker@ 32 RPM for 18 hours (+/- 2 hours). Due to limited sample mass, for sample 028, 50 grams of sample/1000 grams of TCLP Fluid # 1 was used for extraction. Client permission was obtained to use less than the TCLP method mass of 100 grams.

Date Prepared: 9/30/19 at 6:20 PM to 10/1/19 at 9:40 AM

Rev. 2 (10/3/19)

Report revised to include STLC data for sample 014.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/3/19 at 3:30 PM to 10/5/19 at 11:50 AM

Rev. 3 (10/7/19)

Report revised to correct reporting limits for LUFT metals data.

(10/14/19)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/07/19

EB-11-0.5 1909150-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	43	100	150	mg/Kg
TPH as Motor Oil	SW8015B	1	160	500	2380	mg/Kg

EB-11-1.5 1909150-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	1.7	4.0	4.63	mg/Kg
TPH as Motor Oil	SW8015B	1	6.4	20	27.9	mg/Kg

EB-6-1.5 1909150-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	63	mg/Kg
Lead	SW6010B	1	0.20	3.0	13	mg/Kg
Nickel	SW6010B	1	0.10	5.0	52	mg/Kg
Zinc	SW6010B	1	0.10	5.0	59	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	3.07	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	10.2	mg/Kg

EB-6-3.0 1909150-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.85	2.0	2.02	mg/Kg

EB-16-0.5 1909150-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B	1	160	500	1600	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/07/19

EB-16-3.0 1909150-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	2.24	mg/Kg
Barium	SW6010B	1	0.055	5.00	120	mg/Kg
Chromium	SW6010B	1	0.075	5.00	60.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	14.0	mg/Kg
Copper	SW6010B	1	0.20	5.00	24.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.05	mg/Kg
Nickel	SW6010B	1	0.50	5.00	48.9	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	60.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	64.0	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	6.93	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	12.1	mg/Kg

EB-17-1.5 1909150-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	2.01	mg/Kg
Barium	SW6010B	1	0.055	5.00	33.8	mg/Kg
Chromium	SW6010B	1	0.075	5.00	36.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.20	mg/Kg
Copper	SW6010B	1	0.20	5.00	20.2	mg/Kg
Lead	SW6010B	1	0.10	3.00	19.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	31.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	49.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	41.5	mg/Kg
TPH as Diesel	SW8015B	1	1.7	4.0	19.1	mg/Kg
TPH as Motor Oil	SW8015B	1	6.4	20	105	mg/Kg

EB-17-3.0 1909150-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	61	mg/Kg
Lead	SW6010B	1	0.20	3.0	7.6	mg/Kg
Nickel	SW6010B	1	0.10	5.0	48	mg/Kg
Zinc	SW6010B	1	0.10	5.0	51	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	3.43	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/07/19

EB-18-0.5 1909150-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	14.7	mg/Kg
Barium	SW6010B	1	0.055	5.00	111	mg/Kg
Chromium	SW6010B	1	0.075	5.00	31.1	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.30	mg/Kg
Copper	SW6010B	1	0.20	5.00	37.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	29.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	31.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	40.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	54.5	mg/Kg
TPH as Motor Oil	SW8015B	1	160	500	949	mg/Kg

EB-18-1.5 1909150-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	41	mg/Kg
Lead	SW6010B	1	0.20	3.0	43	mg/Kg
Nickel	SW6010B	1	0.10	5.0	34	mg/Kg
Zinc	SW6010B	1	0.10	5.0	96	mg/Kg
TPH as Diesel	SW8015B	5	17	40	314	mg/Kg
TPH as Motor Oil	SW8015B	5	64	200	418	mg/Kg

EB-20-1.5 1909150-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic (STLC)	SW6010B	1	0.20	0.40	1.76	mg/L
Lead (STLC)	SW6010B	1	0.050	0.20	2.44	mg/L
Antimony	SW6010B	1	0.050	5.00	5.25	mg/Kg
Arsenic	SW6010B	1	0.15	1.30	137	mg/Kg
Barium	SW6010B	1	0.055	5.00	76.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	27.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.00	mg/Kg
Copper	SW6010B	1	0.20	5.00	89.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	135	mg/Kg
Nickel	SW6010B	1	0.50	5.00	38.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	39.8	mg/Kg
Zinc	SW6010B	1	0.30	5.00	99.0	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	28.0	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	254	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/07/19

EB-20-3.0 1909150-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	51	mg/Kg
Lead	SW6010B	1	0.20	3.0	8.5	mg/Kg
Nickel	SW6010B	1	0.10	5.0	42	mg/Kg
Zinc	SW6010B	1	0.10	5.0	51	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	4.45	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	12.0	mg/Kg

EB-21-0.5 1909150-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	2.20	mg/Kg
Barium	SW6010B	1	0.055	5.00	112	mg/Kg
Chromium	SW6010B	1	0.075	5.00	26.2	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.15	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	7.65	mg/Kg
Nickel	SW6010B	1	0.50	5.00	27.7	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	41.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	33.0	mg/Kg
TPH as Motor Oil	SW8015B	2	64	200	715	mg/Kg

EB-21-1.5 1909150-022

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	13.0	mg/Kg
Barium	SW6010B	1	0.055	5.00	64.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	20.3	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	5.40	mg/Kg
Copper	SW6010B	1	0.20	5.00	24.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	41.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	22.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	23.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	58.0	mg/Kg
TPH as Diesel	SW8015B	5	8.5	20	34.5	mg/Kg
TPH as Motor Oil	SW8015B	5	32	100	392	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/07/19

EB-15-0.5 1909150-024

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	28	mg/Kg
Lead	SW6010B	1	0.20	3.0	9.6	mg/Kg
Nickel	SW6010B	1	0.10	5.0	25	mg/Kg
Zinc	SW6010B	1	0.10	5.0	39	mg/Kg
TPH as Motor Oil	SW8015B	2	64	200	934	mg/Kg

EB-15-1.5 1909150-025

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	1.31	mg/Kg
Barium	SW6010B	1	0.055	5.00	65.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	18.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	86.5	mg/Kg
Lead	SW6010B	1	0.10	3.00	16.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	15.4	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	63.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	45.4	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	150	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	09/22/19	4:23	MT	442584
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Bis(2-chloroethyl)ether	SW8270C	50	1.85	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	50	9.45	100	ND		mg/Kg	09/22/19	4:23	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	09/22/19	4:23	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	09/22/19	4:23	MT	442584
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	09/22/19	4:23	MT	442584
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	09/22/19	4:23	MT	442584
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
4-Chlorophenyl-phenylether	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
4-Bromophenyl-phenylether	SW8270C	50	1.14	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzidine	SW8270C	50	20.4	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Butylbenzylphthalate	SW8270C	50	2.92	100	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzo(a)anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	09/22/19	4:23	MT	442584
Di-n-Octylphthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzo(b)fluorathene	SW8270C	50	1.67	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	50	1.13	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzo(a)pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Dibenzo(a,h)anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Benzo(g,h,i)perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	09/22/19	4:23	MT	442584
Pyridine	SW8270C	50	6.08	100	ND		mg/Kg	09/22/19	4:23	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	4:23	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	4:23	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	4:23	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	4:23	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	4:23	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	4:23	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	**150**	x	mg/Kg	09/18/19	19:09	MK	442518
TPH as Motor Oil	SW8015B	1	160	500	**2380**		mg/Kg	09/18/19	19:09	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/18/19	19:09	MK	442518

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	13:25	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	13:25	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**113**		%	09/18/19	13:25	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	09/18/19	13:25	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**105**		%	09/18/19	13:25	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-0.5	**Lab Sample ID:**	1909150-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:20		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	13:25	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**78.6**		%	09/18/19	13:25	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-1.5	**Lab Sample ID:**	1909150-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:21		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	10:52	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**70.0**		%	09/19/19	10:52	MK	442530
DCBP (S)	SW8082A		48 - 135		**70.0**		%	09/19/19	10:52	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-1.5	**Lab Sample ID:**	1909150-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/17/19 6:44:00PM
Prep Batch ID:	1116692	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
4,4'-DDE	SW8081B	10	0.0019	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Dieldrin	SW8081B	10	0.0015	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
4,4'-DDT	SW8081B	10	0.0013	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	09/19/19	19:08	LA	442574
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	09/19/19	19:08	LA	442574
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	09/19/19	19:08	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**76.9**		%	09/19/19	19:08	LA	442574
DCBP (S)	SW8081B		38 - 135		**88.7**		%	09/19/19	19:08	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-1.5	**Lab Sample ID:**	1909150-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:21		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.7	4.0	**4.63**	x	mg/Kg	09/18/19	19:33	MK	442518
TPH as Motor Oil	SW8015B	1	6.4	20	**27.9**		mg/Kg	09/18/19	19:33	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**88.9**		%	09/18/19	19:33	MK	442518

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-11-1.5	**Lab Sample ID:**	1909150-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 8:21		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	13:58	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**104**		%	09/18/19	13:58	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-1.5	**Lab Sample ID:**	1909150-006A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:01		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19 1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	17:29	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-1.5	**Lab Sample ID:**	1909150-006A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:01		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:30	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**63**		mg/Kg	09/19/19	20:30	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**13**		mg/Kg	09/19/19	20:30	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**52**		mg/Kg	09/19/19	20:30	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**59**		mg/Kg	09/19/19	20:30	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-1.5	**Lab Sample ID:**	1909150-006A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:01		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**3.07**	x	mg/Kg	09/18/19	19:56	MK	442518
TPH as Motor Oil	SW8015B	1	3.2	10	**10.2**		mg/Kg	09/18/19	19:56	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**80.2**		%	09/18/19	19:56	MK	442518

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-1.5	**Lab Sample ID:**	1909150-006A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:01		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	14:27	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**96.7**		%	09/18/19	14:27	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	4:52	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	4:52	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	4:52	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**63.0**		%	09/22/19	4:52	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**59.3**		%	09/22/19	4:52	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**67.1**		%	09/22/19	4:52	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**62.5**		%	09/22/19	4:52	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**55.9**		%	09/22/19	4:52	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**67.6**		%	09/22/19	4:52	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.02**	x	mg/Kg	09/18/19	20:20	MK	442518
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/18/19	20:20	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**73.2**		%	09/18/19	20:20	MK	442518

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	14:55	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	14:55	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**107**		%	09/18/19	14:55	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**96.7**		%	09/18/19	14:55	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**88.5**		%	09/18/19	14:55	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-6-3.0	**Lab Sample ID:**	1909150-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 10:02		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	14:55	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**98.3**		%	09/18/19	14:55	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	09/22/19	5:21	MT	442584
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Bis(2-chloroethyl)ether	SW8270C	50	1.85	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	50	9.45	100	ND		mg/Kg	09/22/19	5:21	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	09/22/19	5:21	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	09/22/19	5:21	MT	442584
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	09/22/19	5:21	MT	442584
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	09/22/19	5:21	MT	442584
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
4-Chlorophenyl-phenylether	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
4-Bromophenyl-phenylether	SW8270C	50	1.14	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzidine	SW8270C	50	20.4	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Butylbenzylphthalate	SW8270C	50	2.92	100	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzo(a)anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	09/22/19	5:21	MT	442584
Di-n-Octylphthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzo(b)fluorathene	SW8270C	50	1.67	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	50	1.13	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzo(a)pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Dibenzo(a,h)anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Benzo(g,h,i)perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	09/22/19	5:21	MT	442584
Pyridine	SW8270C	50	6.08	100	ND		mg/Kg	09/22/19	5:21	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	5:21	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	5:21	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	5:21	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	5:21	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	5:21	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	5:21	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	ND		mg/Kg	09/18/19	20:44	MK	442518
TPH as Motor Oil	SW8015B	1	160	500	**1600**		mg/Kg	09/18/19	20:44	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/18/19	20:44	MK	442518

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	15:24	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	15:24	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**116**		%	09/18/19	15:24	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	09/18/19	15:24	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**109**		%	09/18/19	15:24	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-0.5	**Lab Sample ID:**	1909150-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:15		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	15:24	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**71.4**		%	09/18/19	15:24	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-3.0	**Lab Sample ID:**	1909150-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:17		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	11:44	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-3.0	**Lab Sample ID:**	1909150-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:17		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**2.24**		mg/Kg	09/19/19	18:36	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**120**		mg/Kg	09/19/19	18:36	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**60.0**		mg/Kg	09/19/19	18:36	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**14.0**		mg/Kg	09/19/19	18:36	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**24.4**		mg/Kg	09/19/19	18:36	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**8.05**		mg/Kg	09/19/19	18:36	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**48.9**		mg/Kg	09/19/19	18:36	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	18:36	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**60.5**		mg/Kg	09/19/19	18:36	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**64.0**		mg/Kg	09/19/19	18:36	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-3.0	**Lab Sample ID:**	1909150-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:17		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	17:32	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-3.0	**Lab Sample ID:**	1909150-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:17		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**6.93**	x	mg/Kg	09/18/19	21:07	MK	442518
TPH as Motor Oil	SW8015B	1	3.2	10	**12.1**		mg/Kg	09/18/19	21:07	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**102**		%	09/18/19	21:07	MK	442518

NOTE: x-presence of discrete peaks not typical of diesel pattern

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-16-3.0	**Lab Sample ID:**	1909150-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 12:17		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	15:53	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**87.3**		%	09/18/19	15:53	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-1.5	**Lab Sample ID:**	1909150-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:57		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	11:49	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-1.5	**Lab Sample ID:**	1909150-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:57		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**2.01**		mg/Kg	09/19/19	18:42	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**33.8**		mg/Kg	09/19/19	18:42	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**36.6**		mg/Kg	09/19/19	18:42	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**9.20**		mg/Kg	09/19/19	18:42	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**20.2**		mg/Kg	09/19/19	18:42	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**19.1**		mg/Kg	09/19/19	18:42	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**31.0**		mg/Kg	09/19/19	18:42	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	18:42	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**49.7**		mg/Kg	09/19/19	18:42	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**41.5**		mg/Kg	09/19/19	18:42	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-1.5	**Lab Sample ID:**	1909150-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:57		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.7	4.0	**19.1**	x	mg/Kg	09/18/19	21:31	MK	442518
TPH as Motor Oil	SW8015B	1	6.4	20	**105**		mg/Kg	09/18/19	21:31	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**80.9**		%	09/18/19	21:31	MK	442518

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-1.5	**Lab Sample ID:**	1909150-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:57		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	16:22	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**109**		%	09/18/19	16:22	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/7/19	11:30:00AM
Prep Batch ID:	1117181	**Prep Analyst:**	PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/07/19	12:25	PPATEL	442914

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:34	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**61**		mg/Kg	09/19/19	20:34	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**7.6**		mg/Kg	09/19/19	20:34	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**48**		mg/Kg	09/19/19	20:34	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**51**		mg/Kg	09/19/19	20:34	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	5:50	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	5:50	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	5:50	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**64.3**		%	09/22/19	5:50	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**60.3**		%	09/22/19	5:50	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**74.6**		%	09/22/19	5:50	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**61.5**		%	09/22/19	5:50	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**54.9**		%	09/22/19	5:50	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**68.5**		%	09/22/19	5:50	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**3.43**	x	mg/Kg	09/18/19	21:54	MK	442518
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/18/19	21:54	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**114**		%	09/18/19	21:54	MK	442518

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	16:50	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	16:50	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**110**		%	09/18/19	16:50	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**97.0**		%	09/18/19	16:50	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**89.3**		%	09/18/19	16:50	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-17-3.0	**Lab Sample ID:**	1909150-014A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 13:58		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	16:50	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**98.0**		%	09/18/19	16:50	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:00	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**14.7**		mg/Kg	09/19/19	18:58	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**111**		mg/Kg	09/19/19	18:58	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**31.1**		mg/Kg	09/19/19	18:58	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**8.30**		mg/Kg	09/19/19	18:58	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**37.4**		mg/Kg	09/19/19	18:58	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**29.5**		mg/Kg	09/19/19	18:58	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**31.0**		mg/Kg	09/19/19	18:58	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	18:58	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**40.5**		mg/Kg	09/19/19	18:58	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**54.5**		mg/Kg	09/19/19	18:58	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	11:06	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**84.0**		%	09/19/19	11:06	MK	442530
DCBP (S)	SW8082A		48 - 135		**77.0**		%	09/19/19	11:06	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/17/19 6:44:00PM
Prep Batch ID:	1116692	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	20	0.0025	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
gamma-BHC (Lindane)	SW8081B	20	0.0032	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
beta-BHC	SW8081B	20	0.0063	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
delta-BHC	SW8081B	20	0.0031	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Heptachlor	SW8081B	20	0.0021	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Aldrin	SW8081B	20	0.0039	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Heptachlor Epoxide	SW8081B	20	0.0016	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
gamma-Chlordane	SW8081B	20	0.0033	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
alpha-Chlordane	SW8081B	20	0.0035	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
4,4'-DDE	SW8081B	20	0.0039	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endosulfan I	SW8081B	20	0.0037	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Dieldrin	SW8081B	20	0.0030	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endrin	SW8081B	20	0.0038	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
4,4'-DDD	SW8081B	20	0.011	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endosulfan II	SW8081B	20	0.012	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
4,4'-DDT	SW8081B	20	0.0026	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endrin Aldehyde	SW8081B	20	0.0030	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Methoxychlor	SW8081B	20	0.0040	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endosulfan Sulfate	SW8081B	20	0.0023	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Endrin Ketone	SW8081B	20	0.0019	0.040	ND		mg/Kg	09/19/19	19:21	LA	442574
Chlordane	SW8081B	20	0.042	0.40	ND		mg/Kg	09/19/19	19:21	LA	442574
Toxaphene	SW8081B	20	0.17	1.0	ND		mg/Kg	09/19/19	19:21	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**0.000**	D	%	09/19/19	19:21	LA	442574
DCBP (S)	SW8081B		38 - 135		**0.000**	D	%	09/19/19	19:21	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	ND		mg/Kg	09/19/19	0:16	MK	442518
TPH as Motor Oil	SW8015B	1	160	500	**949**		mg/Kg	09/19/19	0:16	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/19/19	0:16	MK	442518

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-0.5	**Lab Sample ID:**	1909150-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:08		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	17:19	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**87.2**		%	09/18/19	17:19	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-1.5	**Lab Sample ID:**	1909150-016A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:09		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:37	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**41**		mg/Kg	09/19/19	20:37	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**43**		mg/Kg	09/19/19	20:37	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**34**		mg/Kg	09/19/19	20:37	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**96**		mg/Kg	09/19/19	20:37	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-1.5	**Lab Sample ID:**	1909150-016A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:09		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	17	40	**314**	x	mg/Kg	09/19/19	15:37	MK	442518
TPH as Motor Oil	SW8015B	5	64	200	**418**		mg/Kg	09/19/19	15:37	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/19/19	15:37	MK	442518

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range slightly heavier than diesel quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-18-1.5	**Lab Sample ID:**	1909150-016A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:09		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	17:48	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**91.0**		%	09/18/19	17:48	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:02	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	**5.25**		mg/Kg	09/19/19	19:01	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**137**		mg/Kg	09/19/19	19:01	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**76.5**		mg/Kg	09/19/19	19:01	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**27.6**		mg/Kg	09/19/19	19:01	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**8.00**		mg/Kg	09/19/19	19:01	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**89.0**		mg/Kg	09/19/19	19:01	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**135**		mg/Kg	09/19/19	19:01	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**38.0**		mg/Kg	09/19/19	19:01	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:01	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**39.8**		mg/Kg	09/19/19	19:01	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**99.0**		mg/Kg	09/19/19	19:01	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic (STLC)	SW6010B	1	0.20	0.40	**1.76**		mg/L	10/02/19	17:51	PPATEL	442823
Lead (STLC)	SW6010B	1	0.050	0.20	**2.44**		mg/L	10/02/19	17:51	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	1311/3010B	**Prep Batch Date/Time:**	10/1/19 10:45:00AM
Prep Batch ID:	1117040	**Prep Analyst:**	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic (TCLP)	SW6010B	1	0.20	0.40	ND		mg/L	10/01/19	14:04	PPATEL	442807
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	10/01/19	14:04	PPATEL	442807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	11:21	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**72.0**		%	09/19/19	11:21	MK	442530
DCBP (S)	SW8082A		48 - 135		**68.0**		%	09/19/19	11:21	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/17/19 6:44:00PM
Prep Batch ID:	1116692	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	20	0.0025	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
gamma-BHC (Lindane)	SW8081B	20	0.0032	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
beta-BHC	SW8081B	20	0.0063	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
delta-BHC	SW8081B	20	0.0031	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Heptachlor	SW8081B	20	0.0021	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Aldrin	SW8081B	20	0.0039	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Heptachlor Epoxide	SW8081B	20	0.0016	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
gamma-Chlordane	SW8081B	20	0.0033	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
alpha-Chlordane	SW8081B	20	0.0035	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
4,4'-DDE	SW8081B	20	0.0039	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endosulfan I	SW8081B	20	0.0037	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Dieldrin	SW8081B	20	0.0030	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endrin	SW8081B	20	0.0038	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
4,4'-DDD	SW8081B	20	0.011	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endosulfan II	SW8081B	20	0.012	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
4,4'-DDT	SW8081B	20	0.0026	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endrin Aldehyde	SW8081B	20	0.0030	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Methoxychlor	SW8081B	20	0.0040	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endosulfan Sulfate	SW8081B	20	0.0023	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Endrin Ketone	SW8081B	20	0.0019	0.040	ND		mg/Kg	09/19/19	19:35	LA	442574
Chlordane	SW8081B	20	0.042	0.40	ND		mg/Kg	09/19/19	19:35	LA	442574
Toxaphene	SW8081B	20	0.17	1.0	ND		mg/Kg	09/19/19	19:35	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**0.000**	D	%	09/19/19	19:35	LA	442574
DCBP (S)	SW8081B		38 - 135		**0.000**	D	%	09/19/19	19:35	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	10	1.30	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
Phenol	SW8270C	10	1.22	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Bis(2-chloroethyl)ether	SW8270C	10	0.369	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2-Chlorophenol	SW8270C	10	1.32	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,3-Dichlorobenzene	SW8270C	10	0.365	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,4-Dichlorobenzene	SW8270C	10	0.406	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzyl Alcohol	SW8270C	10	0.568	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,2-Dichlorobenzene	SW8270C	10	0.375	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	10	0.815	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	1.89	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.870	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
N-nitroso-di-n-propylamine	SW8270C	10	0.365	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Hexachloroethane	SW8270C	10	0.474	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Nitrobenzene	SW8270C	10	0.357	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Isophorone	SW8270C	10	0.338	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2-Nitrophenol	SW8270C	10	0.705	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4-Dimethylphenol	SW8270C	10	0.634	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzoic Acid	SW8270C	10	1.16	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	10	0.350	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4-Dichlorophenol	SW8270C	10	1.09	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,2,4-Trichlorobenzene	SW8270C	10	0.329	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Naphthalene	SW8270C	10	0.294	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,6-Dichlorophenol	SW8270C	10	0.994	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Hexachloro-1,3-butadiene	SW8270C	10	0.232	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
4-Chloro-3-methylphenol	SW8270C	10	0.939	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2-Methylnaphthalene	SW8270C	10	0.290	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1-Methylnaphthalene	SW8270C	10	0.339	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Hexachlorocyclopentadiene	SW8270C	10	0.360	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4,6-Trichlorophenol	SW8270C	10	0.999	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4,5-Trichlorophenol	SW8270C	10	0.928	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2-Chloronaphthalene	SW8270C	10	0.295	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,4-Dinitrobenzene	SW8270C	10	0.287	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Dimethyl phthalate	SW8270C	10	0.393	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	10	0.289	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Acenaphthylene	SW8270C	10	0.230	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,6-Dinitrotoluene	SW8270C	10	0.314	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
1,2-Dinitrobenzene	SW8270C	10	0.438	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Acenaphthene	SW8270C	10	0.296	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4-Dinitrophenol	SW8270C	10	2.15	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
4-Nitrophenol	SW8270C	10	1.52	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
Dibenzofuran	SW8270C	10	0.312	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,4-Dinitrotoluene	SW8270C	10	0.336	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.766	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.874	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Diethylphthalate	SW8270C	10	0.379	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
Fluorene	SW8270C	10	0.286	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
4-Chlorophenyl-phenylether	SW8270C	10	0.259	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	10	0.372	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Diphenylamine	SW8270C	10	0.362	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Azobenzene	SW8270C	10	3.16	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
4-Bromophenyl-phenylether	SW8270C	10	0.229	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Hexachlorobenzene	SW8270C	10	0.240	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Pentachlorophenol	SW8270C	10	0.694	8.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Phenanthrene	SW8270C	10	0.259	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Anthracene	SW8270C	10	0.248	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Carbazole	SW8270C	10	0.298	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Di-n-butylphthalate	SW8270C	10	0.375	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Fluoranthene	SW8270C	10	0.278	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzidine	SW8270C	10	4.08	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Pyrene	SW8270C	10	0.332	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Butylbenzylphthalate	SW8270C	10	0.584	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzo(a)anthracene	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
3,3-Dichlorobenzidine	SW8270C	10	3.27	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Chrysene	SW8270C	10	0.421	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.426	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
Di-n-Octylphthalate	SW8270C	10	0.341	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzo(b)fluorathene	SW8270C	10	0.334	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	10	0.227	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzo(a)pyrene	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	10	0.383	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Dibenzo(a,h)anthracene	SW8270C	10	0.353	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Benzo(g,h,i)perylene	SW8270C	10	0.463	4.00	ND		mg/Kg	09/22/19	6:19	MT	442584
Pyridine	SW8270C	10	1.22	20.0	ND		mg/Kg	09/22/19	6:19	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	6:19	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	6:19	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	6:19	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	6:19	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	6:19	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	6:19	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	**28.0**	x	mg/Kg	09/19/19	1:04	MK	442518
TPH as Motor Oil	SW8015B	1	13	40	**254**		mg/Kg	09/19/19	1:04	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**100**		%	09/19/19	1:04	MK	442518

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	18:17	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:17	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**110**		%	09/18/19	18:17	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**98.9**		%	09/18/19	18:17	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**92.2**		%	09/18/19	18:17	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-1.5	**Lab Sample ID:**	1909150-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:16		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	18:17	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**80.0**		%	09/18/19	18:17	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-3.0	**Lab Sample ID:**	1909150-020A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:17		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19 1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	17:54	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-3.0	**Lab Sample ID:**	1909150-020A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:17		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:40	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**51**		mg/Kg	09/19/19	20:40	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**8.5**		mg/Kg	09/19/19	20:40	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**42**		mg/Kg	09/19/19	20:40	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**51**		mg/Kg	09/19/19	20:40	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-3.0	**Lab Sample ID:**	1909150-020A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:17		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**4.45**	x	mg/Kg	09/19/19	1:28	MK	442518
TPH as Motor Oil	SW8015B	1	3.2	10	**12.0**		mg/Kg	09/19/19	1:28	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**90.2**		%	09/19/19	1:28	MK	442518

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-20-3.0	**Lab Sample ID:**	1909150-020A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:17		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	18:45	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**85.4**		%	09/18/19	18:45	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:04	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**2.20**		mg/Kg	09/19/19	19:05	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**112**		mg/Kg	09/19/19	19:05	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**26.2**		mg/Kg	09/19/19	19:05	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**8.15**		mg/Kg	09/19/19	19:05	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**28.4**		mg/Kg	09/19/19	19:05	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**7.65**		mg/Kg	09/19/19	19:05	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**27.7**		mg/Kg	09/19/19	19:05	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:05	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**41.7**		mg/Kg	09/19/19	19:05	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**33.0**		mg/Kg	09/19/19	19:05	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	09/22/19	6:49	MT	442584
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Bis(2-chloroethyl)ether	SW8270C	50	1.85	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	50	9.45	100	ND		mg/Kg	09/22/19	6:49	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	09/22/19	6:49	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	09/22/19	6:49	MT	442584
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	09/22/19	6:49	MT	442584
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	09/22/19	6:49	MT	442584
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
4-Chlorophenyl-phenylether	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
4-Bromophenyl-phenylether	SW8270C	50	1.14	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzidine	SW8270C	50	20.4	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Butylbenzylphthalate	SW8270C	50	2.92	100	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzo(a)anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	09/22/19	6:49	MT	442584
Di-n-Octylphthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzo(b)fluorathene	SW8270C	50	1.67	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	50	1.13	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzo(a)pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Dibenzo(a,h)anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Benzo(g,h,i)perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	09/22/19	6:49	MT	442584
Pyridine	SW8270C	50	6.08	100	ND		mg/Kg	09/22/19	6:49	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	6:49	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	6:49	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	6:49	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	6:49	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	6:49	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	6:49	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	17	40	ND		mg/Kg	09/19/19	1:51	MK	442518
TPH as Motor Oil	SW8015B	2	64	200	**715**		mg/Kg	09/19/19	1:51	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/19/19	1:51	MK	442518

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	19:14	BP	442585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:04:00AM
Prep Batch ID:	1116822	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:14	BP	442585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**111**		%	09/18/19	19:14	BP	442585
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	09/18/19	19:14	BP	442585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**106**		%	09/18/19	19:14	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-0.5	**Lab Sample ID:**	1909150-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:23		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	19:14	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**76.8**		%	09/18/19	19:14	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-1.5	**Lab Sample ID:**	1909150-022A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:24		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:06	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-1.5	**Lab Sample ID:**	1909150-022A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:24		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**13.0**		mg/Kg	09/19/19	19:08	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**64.0**		mg/Kg	09/19/19	19:08	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**20.3**		mg/Kg	09/19/19	19:08	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**5.40**		mg/Kg	09/19/19	19:08	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**24.4**		mg/Kg	09/19/19	19:08	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**41.6**		mg/Kg	09/19/19	19:08	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**22.8**		mg/Kg	09/19/19	19:08	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:08	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**23.9**		mg/Kg	09/19/19	19:08	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**58.0**		mg/Kg	09/19/19	19:08	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-1.5	**Lab Sample ID:**	1909150-022A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:24		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	8.5	20	**34.5**	x	mg/Kg	09/19/19	16:01	MK	442518
TPH as Motor Oil	SW8015B	5	32	100	**392**		mg/Kg	09/19/19	16:01	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**93.9**		%	09/19/19	16:01	MK	442518

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-21-1.5	**Lab Sample ID:**	1909150-022A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:24		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:04:00AM
Prep Batch ID:	1116823	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	19:43	BP	442585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**76.4**		%	09/18/19	19:43	BP	442585

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-0.5	**Lab Sample ID:**	1909150-024A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:34		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:43	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**28**		mg/Kg	09/19/19	20:43	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**9.6**		mg/Kg	09/19/19	20:43	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**25**		mg/Kg	09/19/19	20:43	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**39**		mg/Kg	09/19/19	20:43	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-0.5	**Lab Sample ID:**	1909150-024A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:34		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	17	40	ND		mg/Kg	09/19/19	2:39	MK	442518
TPH as Motor Oil	SW8015B	2	64	200	**934**		mg/Kg	09/19/19	2:39	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/19/19	2:39	MK	442518

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-0.5	**Lab Sample ID:**	1909150-024A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:34		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	16:54	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**47.4**		%	09/18/19	16:54	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:08	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**1.31**		mg/Kg	09/19/19	19:11	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**65.0**		mg/Kg	09/19/19	19:11	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**18.8**		mg/Kg	09/19/19	19:11	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**11.6**		mg/Kg	09/19/19	19:11	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**86.5**		mg/Kg	09/19/19	19:11	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**16.8**		mg/Kg	09/19/19	19:11	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**15.4**		mg/Kg	09/19/19	19:11	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:11	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**63.5**		mg/Kg	09/19/19	19:11	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**45.4**		mg/Kg	09/19/19	19:11	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	11:36	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**102**		%	09/19/19	11:36	MK	442530
DCBP (S)	SW8082A		48 - 135		**88.0**		%	09/19/19	11:36	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/17/19 6:44:00PM
Prep Batch ID:	1116692	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
4,4'-DDE	SW8081B	10	0.0019	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Dieldrin	SW8081B	10	0.0015	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
4,4'-DDT	SW8081B	10	0.0013	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	09/19/19	19:48	LA	442574
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	09/19/19	19:48	LA	442574
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	09/19/19	19:48	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**113**		%	09/19/19	19:48	LA	442574
DCBP (S)	SW8081B		38 - 135		**118**		%	09/19/19	19:48	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	10	1.30	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
Phenol	SW8270C	10	1.22	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Bis(2-chloroethyl)ether	SW8270C	10	0.369	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2-Chlorophenol	SW8270C	10	1.32	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,3-Dichlorobenzene	SW8270C	10	0.365	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,4-Dichlorobenzene	SW8270C	10	0.406	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzyl Alcohol	SW8270C	10	0.568	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,2-Dichlorobenzene	SW8270C	10	0.375	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	10	0.815	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	1.89	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.870	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
N-nitroso-di-n-propylamine	SW8270C	10	0.365	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Hexachloroethane	SW8270C	10	0.474	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Nitrobenzene	SW8270C	10	0.357	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Isophorone	SW8270C	10	0.338	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2-Nitrophenol	SW8270C	10	0.705	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4-Dimethylphenol	SW8270C	10	0.634	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzoic Acid	SW8270C	10	1.16	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	10	0.350	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4-Dichlorophenol	SW8270C	10	1.09	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,2,4-Trichlorobenzene	SW8270C	10	0.329	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Naphthalene	SW8270C	10	0.294	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,6-Dichlorophenol	SW8270C	10	0.994	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Hexachloro-1,3-butadiene	SW8270C	10	0.232	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
4-Chloro-3-methylphenol	SW8270C	10	0.939	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2-Methylnaphthalene	SW8270C	10	0.290	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1-Methylnaphthalene	SW8270C	10	0.339	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Hexachlorocyclopentadiene	SW8270C	10	0.360	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4,6-Trichlorophenol	SW8270C	10	0.999	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4,5-Trichlorophenol	SW8270C	10	0.928	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2-Chloronaphthalene	SW8270C	10	0.295	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,4-Dinitrobenzene	SW8270C	10	0.287	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Dimethyl phthalate	SW8270C	10	0.393	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	10	0.289	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Acenaphthylene	SW8270C	10	0.230	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,6-Dinitrotoluene	SW8270C	10	0.314	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
1,2-Dinitrobenzene	SW8270C	10	0.438	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Acenaphthene	SW8270C	10	0.296	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4-Dinitrophenol	SW8270C	10	2.15	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
4-Nitrophenol	SW8270C	10	1.52	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
Dibenzofuran	SW8270C	10	0.312	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,4-Dinitrotoluene	SW8270C	10	0.336	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.766	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.874	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Diethylphthalate	SW8270C	10	0.379	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
Fluorene	SW8270C	10	0.286	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
4-Chlorophenyl-phenylether	SW8270C	10	0.259	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	10	0.372	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Diphenylamine	SW8270C	10	0.362	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Azobenzene	SW8270C	10	3.16	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
4-Bromophenyl-phenylether	SW8270C	10	0.229	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Hexachlorobenzene	SW8270C	10	0.240	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Pentachlorophenol	SW8270C	10	0.694	8.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Phenanthrene	SW8270C	10	0.259	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Anthracene	SW8270C	10	0.248	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Carbazole	SW8270C	10	0.298	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Di-n-butylphthalate	SW8270C	10	0.375	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Fluoranthene	SW8270C	10	0.278	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzidine	SW8270C	10	4.08	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Pyrene	SW8270C	10	0.332	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Butylbenzylphthalate	SW8270C	10	0.584	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzo(a)anthracene	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
3,3-Dichlorobenzidine	SW8270C	10	3.27	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Chrysene	SW8270C	10	0.421	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.426	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
Di-n-Octylphthalate	SW8270C	10	0.341	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzo(b)fluorathene	SW8270C	10	0.334	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	10	0.227	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzo(a)pyrene	SW8270C	10	0.272	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	10	0.383	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Dibenzo(a,h)anthracene	SW8270C	10	0.353	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Benzo(g,h,i)perylene	SW8270C	10	0.463	4.00	ND		mg/Kg	09/22/19	7:18	MT	442584
Pyridine	SW8270C	10	1.22	20.0	ND		mg/Kg	09/22/19	7:18	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	7:18	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	7:18	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	7:18	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	7:18	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	7:18	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	7:18	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/17/19 8:55:00PM
Prep Batch ID:	1116697	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	ND		mg/Kg	09/19/19	3:02	MK	442518
TPH as Motor Oil	SW8015B	1	13	40	**150**		mg/Kg	09/19/19	3:02	MK	442518
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**81.0**		%	09/19/19	3:02	MK	442518

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	17:23	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:23	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**98.1**		%	09/18/19	17:23	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**97.2**		%	09/18/19	17:23	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**88.1**		%	09/18/19	17:23	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/07/19

Client Sample ID:	EB-15-1.5	**Lab Sample ID:**	1909150-025A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/11/19 / 14:35		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	17:23	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**75.3**		%	09/18/19	17:23	BP	442522

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	3546_OCP	**Prep Date:**	09/17/19	**Prep Batch:**	1116692
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442499
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4'-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4'-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4'-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			83.2	
DCBP (S)			96.5	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	3546_PCB	**Prep Date:**	09/17/19	**Prep Batch:**	1116695
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442494
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			91.0	
DCBP (S)			86.0	

Work Order:	1909150	**Prep Method:**	3546_TPH	**Prep Date:**	09/17/19	**Prep Batch:**	1116697
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442495
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	0.884	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			74.2	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
N-Nitrosodimethylamine	46.9	720	ND	
Phenol	43.8	288	ND	
Bis(2-chloroethyl)ether	13.3	144	ND	
2-Chlorophenol	47.7	288	ND	
1,3-Dichlorobenzene	13.1	144	ND	
1,4-Dichlorobenzene	14.6	144	ND	
Benzyl Alcohol	20.5	288	ND	
1,2-Dichlorobenzene	13.5	144	ND	
2-Methylphenol (o-Cresol)	29.3	288	ND	
N-Methyl-2-Pyrrolidone (NMP)	68.0	720	ND	
3-/4-Methylphenol (p-/m-Cresol)	31.3	288	ND	
N-nitroso-di-n-propylamine	13.2	144	ND	
Hexachloroethane	17.1	144	ND	
Nitrobenzene	12.8	144	ND	
Isophorone	12.2	144	ND	
2-Nitrophenol	25.4	288	ND	
2,4-Dimethylphenol	22.8	288	ND	
Benzoic Acid	41.7	288	ND	
Bis(2-Chloroethoxy)methane	9.79	144	ND	
Bis(2-chloroisopropyl)ether	12.6	144	ND	
2,4-Dichlorophenol	39.3	288	ND	
1,2,4-Trichlorobenzene	11.8	144	ND	
Naphthalene	10.6	144	ND	
2,6-Dichlorophenol	35.8	288	ND	
Hexachloro-1,3-butadiene	8.34	144	ND	
4-Chloro-3-methylphenol	33.8	288	ND	
2-Methylnaphthalene	10.4	144	ND	
1-Methylnaphthalene	12.2	144	ND	
Hexachlorocyclopentadiene	12.9	144	ND	
2,4,6-Trichlorophenol	35.9	288	ND	
2,4,5-Trichlorophenol	33.4	288	ND	
2-Chloronaphthalene	10.6	144	ND	
1,4-Dinitrobenzene	10.3	144	ND	
Dimethyl phthalate	14.2	720	ND	
1,3-Dinitrobenzene	10.4	144	ND	
Acenaphthylene	8.28	144	ND	
2,6-Dinitrotoluene	11.3	144	ND	
1,2-Dinitrobenzene	15.8	144	ND	
Acenaphthene	10.7	144	ND	
2,4-Dinitrophenol	77.6	720	ND	
4-Nitrophenol	54.7	720	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dibenzofuran	11.2	144	ND	
2,4-Dinitrotoluene	12.1	144	ND	
2,3,5,6-Tetrachlorophenol	27.6	288	ND	
2,3,4,6-Tetrachlorophenol	31.5	288	ND	
Diethylphthalate	13.6	720	ND	
Fluorene	10.3	144	ND	
4-Chlorophenyl-phenylether	9.32	144	ND	
4,6-Dinitro-2-methylphenol	13.4	288	ND	
Diphenylamine	13.0	144	ND	
Azobenzene	114	144	ND	
4-Bromophenyl-phenylether	8.23	144	ND	
Hexachlorobenzene	8.66	144	ND	
Pentachlorophenol	25.0	288	ND	
Phenanthrene	9.32	144	ND	
Anthracene	8.91	144	ND	
Carbazole	10.7	144	ND	
Di-n-butylphthalate	13.5	144	ND	
Fluoranthene	10.0	144	ND	
Benzidine	147	144	ND	
Pyrene	12.0	144	ND	
Butylbenzylphthalate	21.0	720	ND	
Benzo(a)anthracene	9.80	144	ND	
3,3-Dichlorobenzidine	118	144	ND	
Chrysene	15.2	144	ND	
Bis(2-Ethylhexyl)phthalate	15.3	720	ND	
Di-n-Octylphthalate	12.3	144	ND	
Benzo(b)fluorathene	12.0	144	ND	
benzo(k)fluorathene	8.16	144	ND	
Benzo(a)pyrene	9.80	144	ND	
Indeno(1,2,3-c,d)pyrene	13.8	144	ND	
Dibenzo(a,h)anthracene	12.7	144	ND	
Benzo(g,h,i)perylene	12.7	144	ND	
Pyridine	43.8	720	ND	
2-Fluorophenol (S)			58.5	
Phenol-d6 (S)			54.5	
2,4,6-Tribromophenol (S)			62.2	
2-Fluorobiphenyl (S)			55.9	
Nitrobenzene-d5 (S)			53.8	
Terphenyl-d14 (S)			75.5	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	7471BP	**Prep Date:**	09/19/19	**Prep Batch:**	1116735
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442555
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Work Order:	1909150	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116736
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442549
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.11	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.17	
Molybdenum	0.050	5.00	ND	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	0.56	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	4.5	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	1.6	
1,2,4-Trichlorobenzene	1.5	10	1.8	
Naphthalene	1.7	10	2.5	
1,2,3-Trichlorobenzene	1.7	10	2.3	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	ND	
(S) Dibromofluoromethane			98.8	
(S) Toluene-d8			96.7	
(S) 4-Bromofluorobenzene			96.5	

Work Order:	1909150	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116745
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			93.4	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116747
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442550
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Cadmium	0.10	5.00	ND		
Chromium	0.075	5.00	0.082		
Lead	0.10	1.30	0.17		
Nickel	0.50	5.00	ND		
Zinc	0.30	5.00	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116822
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	2.7	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116822
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	3.7	
Hexachlorobutadiene	1.4	10	3.1	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	4.5	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	ND	
(S) Dibromofluoromethane			106	
(S) Toluene-d8			96.6	
(S) 4-Bromofluorobenzene			86.1	

Work Order:	1909150	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116823
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			118	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909150	**Prep Method:**	1311/3010B	**Prep Date:**	10/01/19	**Prep Batch:**	1117040
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/1/2019	**Analytical Batch:**	442807
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic (TCLP)	0.40	0.20	ND	
Chromium (TCLP)	0.010	0.20	0.012	
Lead (TCLP)	0.050	0.20	ND	

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/02/19	**Prep Batch:**	1117081
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/2/2019	**Analytical Batch:**	442823
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic (STLC)	0.40	0.20	ND	
Chromium (STLC)	0.010	0.20	0.043	
Lead (STLC)	0.050	0.20	ND	

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/19	**Prep Batch:**	1117181
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/7/2019	**Analytical Batch:**	442914
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.038	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	3546_OCP	**Prep Date:**	09/17/19	**Prep Batch:**	1116692
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442499
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	89.3	95.2	6.50	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	91.4	98.4	7.64	40 - 130	30	
Aldrin	0.20	2.0	ND	40	88.5	94.3	6.29	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	86.6	92.1	5.87	60 - 130	30	
Endrin	0.19	2.0	ND	40	92.9	98.6	5.74	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	97.4	104	6.21	45 - 140	30	
TCMX (S)				100	88.9	95.7		48 - 125		
DCBP (S)				100	100	108		38 - 135		

Work Order:	1909150	**Prep Method:**	3546_PCB	**Prep Date:**	09/17/19	**Prep Batch:**	1116695
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442494
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	92.3	84.5	8.86	25 - 145	30	
Aroclor1260	36	100	ND	600	60.8	55.8	8.57	30 - 145	30	
TCMX (S)				0.10	95.0	93.0		48 - 125		
DCBP (S)				0.10	92.0	83.0		48 - 135		

Work Order:	1909150	**Prep Method:**	3546_TPH	**Prep Date:**	09/17/19	**Prep Batch:**	1116697
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442495
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	0.884	25.0	78.6	82.1	4.49	52 - 115	30	
Pentacosane (S)				200	77.8	79.6		59 - 129		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	51.2	52.6	2.65	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	51.9	53.7	3.31	45 - 105	30	
Bis(2-chloroethyl)ether	14.6	144	ND	800	50.1	51.9	3.43	35 - 105	30	
N-nitroso-di-n-propylamine	183	144	ND	1600	59.7	62.2	4.10	40 - 115	30	
1,2,4-Trichlorobenzene	164	144	ND	800	50.2	49.3	1.51	45 - 110	30	
4-Chloro-3-methylphenol	469	288	ND	1600	52.9	54.8	3.48	45 - 110	30	
Acenaphthene	148	144	ND	800	56.8	59.2	3.88	45 - 110	30	
4-Nitrophenol	760	720	ND	1600	66.6	66.0	0.939	15 - 140	30	
2,4-Dinitrotoluene	168	144	ND	800	61.7	68.0	9.63	50 - 115	30	
N-Methyl-2-Pyrrolidone (NMP)	129	144	ND	1600	51.9	54.0	3.90	25 - 120	30	
Pyrene	166	144		800	64.6	68.4	5.64	45 - 145	30	
2-Fluorophenol (S)				22200	56.1	58.6		25 - 121		
Phenol-d6 (S)				22200	56.5	59.0		24 - 113		
2,4,6-Tribromophenol (S)				22200	65.6	69.7		19 - 122		
2-Fluorobiphenyl (S)				11100	56.1	60.6		30 - 143		
Nitrobenzene-d5 (S)				11100	52.8	54.1		23 - 120		
Terphenyl-d14 (S)				11100	64.1	67.7		18 - 137		

Work Order:	1909150	**Prep Method:**	7471BP	**Prep Date:**	09/19/19	**Prep Batch:**	1116735
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442555
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	87.5	87.7	0.913	80 - 120	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116736
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442549
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	103	83.2	21.3	80 - 120	30	
Arsenic	0.15	1.30	ND	50	102	81.9	21.7	80 - 120	30	
Barium	0.055	5.00	ND	50	113	91.3	21.1	80 - 120	30	
Beryllium	0.055	5.00	ND	50	110	87.6	22.7	80 - 120	30	
Cadmium	0.10	5.00	ND	50	108	84.6	24.3	80 - 120	30	
Chromium	0.075	5.00	0.11	50	112	89.0	22.9	80 - 120	30	
Cobalt	0.070	5.00	ND	50	110	87.6	22.7	80 - 120	30	
Copper	0.20	5.00	ND	50	117	96.6	19.1	80 - 120	30	
Lead	0.10	3.00	0.17	50	108	85.2	23.6	80 - 120	30	
Molybdenum	0.050	5.00	ND	50	115	92.3	21.8	80 - 120	30	
Nickel	0.50	5.00	ND	50	110	87.5	22.7	80 - 120	30	
Selenium	0.22	5.00	ND	50	89.3	97.4	22.9	80 - 120	30	
Silver	0.15	5.00	ND	50	107	86.7	20.8	80 - 120	30	
Thallium	0.20	5.00	ND	50	107	86.2	21.5	80 - 120	30	
Vanadium	0.10	5.00	ND	50	113	90.5	22.0	80 - 120	30	
Zinc	0.30	5.00	0.56	50	103	80.7	24.2	80 - 120	30	

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	102	109	6.81	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	102	112	9.13	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	104	112	7.59	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	102	110	7.16	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	100	107	6.55	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	115	122		59.8 - 148		
(S) Toluene-d8				50.0	116	117		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	111	113		55.8 - 141		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116745
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	95.3	86.9	9.22	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	90.2	87.0		43.9 - 127		

Work Order:	1909150	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116747
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442550
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Cadmium	0.10	5.00	ND	50	92.4	92.8	0.432	80 - 120	30	
Chromium	0.075	5.00	0.082	50	97.5	97.2	0.411	80 - 120	30	
Lead	0.10	3.00	0.17	50	93.1	95.2	2.12	80 - 120	30	
Nickel	0.50	5.00	ND	50	95.9	95.8	0.209	80 - 120	30	
Zinc	0.30	5.00	ND	50	88.9	88.2	0.903	80 - 120	30	

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116822
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	88.6	90.7	2.23	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	101	104	2.74	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	99.1	106	6.64	57.5 - 150	30	
Toluene	1.8	10	2.7	50.0	101	108	6.51	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	99.2	104	4.72	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	108	108		59.8 - 148		
(S) Toluene-d8				50.0	101	106		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	97.0	99.9		55.8 - 141		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116823
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	110	115	4.44	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	114	121		43.9 - 127		

Work Order:	1909150	**Prep Method:**	1311/3010B	**Prep Date:**	10/01/19	**Prep Batch:**	1117040
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/1/2019	**Analytical Batch:**	442807
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic (TCLP)	0.20	0.40	ND	10	98.5	97.9	0.611	80 - 120	20	
Chromium (TCLP)	0.010	0.20	0.012	10	96.9	96.6	0.310	80 - 120	20	
Lead (TCLP)	0.050	0.20	ND	10	96.8	95.7	1.14	80 - 120	20	

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/02/19	**Prep Batch:**	1117081
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/2/2019	**Analytical Batch:**	442823
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic (STLC)	0.20	0.40	ND	10	102	105	2.90	80 - 120	20	
Chromium (STLC)	0.010	0.20	0.043	10	90.8	92.8	2.18	80 - 120	20	
Lead (STLC)	0.050	0.20	ND	10	93.9	95.6	1.79	80 - 120	20	

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/19	**Prep Batch:**	1117181
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/7/2019	**Analytical Batch:**	442914
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.038	10	101	106	4.83	80 - 120	20	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	7471BP	**Prep Date:**	09/19/19	**Prep Batch:**	1116735
Matrix:	**Soil**	**Analytical Method:**	SW7471B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442555
Spiked Sample:	1909150-013A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	89.0	88.9	0.866	75 - 125	30	

Work Order:	1909150	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116736
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/19/2019	**Analytical Batch:**	442549
Spiked Sample:	1909150-013A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	75	80.2	79.5	0.823	30.7 - 130	30	
Arsenic	0.15	1.30	2.01	75	88.7	89.3	0.727	71.0 - 121	30	
Barium	0.055	5.00	33.8	75	162	145	8.70	70.2 - 130	30	S
Beryllium	0.055	5.00	ND	75	86.5	87.8	1.53	73.3 - 115	30	
Cadmium	0.10	5.00	ND	75	82.1	82.8	0.803	80.0 - 110	30	
Chromium	0.075	5.00	36.6	75	94.5	105	6.28	76.0 - 116	30	
Cobalt	0.070	5.00	9.20	75	89.7	91.1	1.30	57.4 - 122	30	
Copper	0.20	5.00	20.2	75	124	127	1.74	74.8 - 119	30	S
Lead	0.10	3.00	19.1	75	105	112	4.98	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	75	89.3	90.0	0.743	62.9 - 123	30	
Nickel	0.50	5.00	31.0	75	97.3	105	5.61	61.5 - 122	30	
Selenium	0.22	5.00	ND	75	73.3	73.3	0.000	62.0 - 111	30	
Silver	0.15	5.00	ND	75	96.0	98.0	2.06	81.1 - 109	30	
Thallium	0.20	5.00	ND	75	84.0	85.3	1.54	39.2 - 125	30	
Vanadium	0.10	5.00	49.7	75	97.7	121	13.6	65.8 - 122	30	
Zinc	0.30	5.00	41.5	75	101	115	8.98	59.9 - 122	30	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Spiked Sample:	1909150-025A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	98.8	103	4.16	55 - 125	30	
Benzene	2.2	10	ND	50	106	115	8.17	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	112	119	6.24	55 - 125	30	
Toluene	1.8	10	ND	50	109	115	5.53	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	103	113	9.45	55 - 125	30	
(S) Dibromofluoromethane				50	113	121		59.8 - 148		
(S) Toluene-d8				50	119	114		55.2 - 133		
(S) 4-Bromofluorobenzene				50	108	107		55.8 - 141		

Work Order:	1909150	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116822
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442585
Spiked Sample:	1909150-001A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	98.8	99.4	0.605	55 - 125	30	
Benzene	2.2	10	ND	50	123	121	1.47	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	106	105	1.33	55 - 125	30	
Toluene	1.8	10	ND	50	123	121	1.80	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	106	105	0.943	55 - 125	30	
(S) Dibromofluoromethane				50	127	126		59.8 - 148		
(S) Toluene-d8				50	121	117		55.2 - 133		
(S) 4-Bromofluorobenzene				50	139	145		55.8 - 141		S

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/02/19	**Prep Batch:**	1117081
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/02/2019	**Analytical Batch:**	442823
Spiked Sample:	1909150-013A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0100	0.200	ND	10	90.4	90.6	0.218	75 - 125	20	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909150	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/19	**Prep Batch:**	1117181
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/7/2019	**Analytical Batch:**	442914
Spiked Sample:	1909150-014A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0100	0.200	ND	10	101	99.4	1.96	75 - 125	20	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Langan

Project Name: DTSM Drilling

Work Order No.: 1909150

Date and Time Received: 9/17/2019 1:30:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	No	Temperature:	11.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

CoC e-mailed by client

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/7/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909150***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909150-001A	EB-11-0.5	09/11/19 8:20	Soil	03/09/20			SVO_S_8270CFull VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	
1909150-002A	EB-11-1.5	09/11/19 8:21	Soil	03/09/20			TPHDO_S_8015(Mod) Pest_S_8081OCP PCBs_S_8082A VOC_S_GRO	
1909150-003A	EB-11-3.0	09/11/19 8:22	Soil	03/09/20			Hold Samples	
1909150-004A	EB-11-5.0	09/11/19 8:25	Soil	03/09/20			Hold Samples	
1909150-005A	EB-6-0.5	09/11/19 10:00	Soil	03/09/20			Hold Samples	
1909150-006A	EB-6-1.5	09/11/19 10:01	Soil	03/09/20			TPHDO_S_8015(Mod) Met_S_CAM17STLC Met_S_LUFT 5 VOC_S_GRO	
1909150-007A	EB-6-3.0	09/11/19 10:02	Soil	03/09/20			SVO_S_8270CFull Sub_Asb CARB435 A VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	Yes
1909150-008A	EB-6-5.0	09/11/19 10:04	Soil	03/09/20			Hold Samples	
1909150-009A	EB-16-0.5	09/11/19 12:15	Soil	03/09/20			SVO_S_8270CFull VOC_S_GRO VOC_S_8260B	

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/7/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909150***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909150-010A	EB-16-1.5	09/11/19 12:16	Soil	03/09/20			TPHDO_S_8015(Mod) Hold Samples	
1909150-011A	EB-16-3.0	09/11/19 12:17	Soil	03/09/20			TPHDO_S_8015(Mod) Met_S_CAM17STLC Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO	
1909150-012A	EB-17-0.5	09/11/19 13:56	Soil	03/09/20			Hold Samples	
1909150-013A	EB-17-1.5	09/11/19 13:57	Soil	03/09/20			Hg_S_7471B Met_S_CAM17STLC VOC_S_GRO TPHDO_S_8015(Mod) Met_S_6010B CAM17	
1909150-014A	EB-17-3.0	09/11/19 13:58	Soil	03/09/20			Sub_Asb CARB435 A Met_S_CAM17STLC Met_S_LUFT 5 VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull	Yes
1909150-015A	EB-18-0.5	09/11/19 14:08	Soil	03/09/20			PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO TPHDO_S_8015(Mod) Pest_S_8081OCP	
1909150-016A	EB-18-1.5	09/11/19 14:09	Soil	03/09/20				

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/7/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909150***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Met_S_LUFT 5 VOC_S_GRO TPHDO_S_8015(Mod)	
1909150-017A	EB-18-3.0	09/11/19 14:11	Soil	03/09/20			Hold Samples	
1909150-018A	EB-20-0.5	09/11/19 14:15	Soil	03/09/20			Hold Samples	
1909150-019A	EB-20-1.5	09/11/19 14:16	Soil	03/09/20			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC Pest_S_8081OCP PCBs_S_8082A VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Met_S_6010B CAM17	Yes
1909150-020A	EB-20-3.0	09/11/19 14:17	Soil	03/09/20			Met_S_LUFT 5 Met_S_CAM17STLC VOC_S_GRO TPHDO_S_8015(Mod)	
1909150-021A	EB-21-0.5	09/11/19 14:23	Soil	03/09/20			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Met_S_6010B CAM17	Yes
1909150-022A	EB-21-1.5	09/11/19 14:24	Soil	03/09/20			Hg_S_7471B	

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/7/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909150***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909150-023A	EB-21-3.0	09/11/19 14:25	Soil	03/09/20			VOC_S_GRO TPHDO_S_8015(Mod) Met_S_6010B CAM17 Hold Samples	
1909150-024A	EB-15-0.5	09/11/19 14:34	Soil	03/09/20			Met_S_LUFT 5 VOC_S_GRO TPHDO_S_8015(Mod)	
1909150-025A	EB-15-1.5	09/11/19 14:35	Soil	03/09/20			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	Yes
1909150-026A	EB-15-3.0	09/11/19 14:36	Soil	03/09/20			Hold Samples	

Torrent LABORATORY, INC.

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LANGAN

CHAIN OF CUSTODY RECORD

1909150

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555 Montgomery Street, Suite 1300, San Francisco, CA 94111
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: DTSM Drilling
Job Number: 770654001
Project Manager\Contact: Mukta Patil and Peter Cusack
Samplers: Mari Fromstein (MF)
Recorder (Signature Required): [signature]

Turnaround Time: STD

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice			Analysis Requested: CAM-17	TPH (g, d, mo)	VOCs	SVOCs	OCPs/PCBs	LUFT 5 metals	CARB 435							Silica gel clean-up	Hold	Remarks
-001A	EB-11-0.5	9/11/2019	0820		X											X	X	X											
-002A	EB-11-1.5	"	0821		X											X			X										
-003A	EB-11-3.0		0822		X																							X	
-004A	EB-11-5.0		0825		X																							X	
-005A	EB-6-0.5		~~0947~~ 1000		X																							X	
-006A	EB-6-1.5		1001		X											X				X									
-007A	EB-6-3.0		1002		X											X	X	X			X								
-008A	EB-6-5.0		1004		X																							X	
-009A	EB-16-0.5		1215		X											X	X	X											
-010A	EB-16-1.5		1216		X																							X	
-011A	EB-16-3.0		1217		X											X	X												
-012A	EB-17-0.5		1356		X																							X	
-013A	EB-17-1.5		1357		X											X	X												
-014A	EB-17-3.0	↓	1358		X											X	X	X	X		X	X							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
*COC received via email 9/17/19			FED EX (COURIER)		
FEDEX (COURIER)			[signature]/TorrentLab	9/17/19	1330

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☒ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

FedEx City Temp = 11°C #2

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

12319

LANGAN

CHAIN OF CUSTODY RECORD

1909150

- [X] 555 Montgomery Street, Suite 1300, San Francisco, CA 94111
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [X] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: DTSM Drilling
Job Number: 770654001
Project Manager\Contact: Mukta Patil and Peter Cusack
Samplers: MF
Recorder (Signature Required): ~~CAAA~~

Turnaround Time: STD

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: CAM-17	TPH(g,d,mo)	VOCs	SVOCs	OCPs/PCBs	LUFT 5 Metals	CARB 435	Silica gel clean-up	Hold	Remarks
-015A	EB-18-0.5	9/11/2019	1408		X								X	X			X					
-016A	EB-18-1.5	"	1409		X									X				X				
-017A	EB-18-3.0	"	~~1407~~ 1411		X																X	
-018A	EB-20-0.5	"	1415		X																X	
-019A	EB-20-1.5	"	1416		X								X	X	X	X	X		X			
-020A	EB-20-3.0	"	1417		X									X				X				
-021A	EB-21-0.5	"	1423		X								X	X	X	X			X			
-022A	EB-21-1.5	"	1424		X								X	X								
-023A	EB-21-3.0	"	1425		X																X	
-024A	EB-15-0.5	"	1434		X									X				X				
-025A	EB-15-1.5	"	1435		X								X	X	X	X	X		X			
-026A	EB-15-3.0	V	1436		X																X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
*coc received via email 9/17/19			FEDEX (COURIER)		
FEDEX (COURIER)			Torrent Lab	9/17/19	1330

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [X] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

FEDEX City Temp=11° C#2

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1909150 **Serial #:** CO19-0564 **Print Date:** 9/27/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
STLC Cr for 006/011/013/020; STLC & TCLP As for 019; STD TAT (3 days=+2)	9/27/2019	10:00:00AM	

483 Sinclair Frontage Rd., Milpitas, CA 95035 | *tel:* 408.263.5258 | *fax:* 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1909150 **Serial #:** CO19-0564 **Print Date:** 9/27/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
STLC Cr for 006/011/20; STLC & TCLP As for 019; STD TAT (3 days=+2)	9/27/2019	10:00:00AM	

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Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1909150 **Serial #:** CO19-0576 **Print Date:** 10/3/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
STLC Cr for 14; STD TAT	9/27/2019		

483 Sinclair Frontage Rd., Milpitas, CA 95035 | *tel:* 408.263.5258 | *fax:* 408.263.8293 | www.torrentlab.com

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
http://www.EMSL.com / sanleandrolab@emsl.com

EMSL Order:	091921973
Customer ID:	TORR80
Customer PO:	1909150
Project ID:	

Attention:	Kathie Evans Torrent Laboratory, Inc. 483 Sinclair Frontage Rd. Milpitas, CA 95035	**Phone:**	(408) 263-5258
		Fax:	(408) 263-8293
		Received:	09/19/2019 8:30 AM
		Analysis Date:	09/24/2019
		Collected:	
Project:	1909150		

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1909150-007A *091921973-0001*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909150-014A *091921973-0002*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909150-019A *091921973-0003*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909150-021A *091921973-0004*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909150-025A *091921973-0005*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Analyst(s)

Adam C. Fink (5)

Matthew Batongbacal
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations . Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 09/24/2019 21:34:37

Langan
555 Montgomery Street, Suite 1300
San Francisco, California 94111
Tel: 415-955-9040

RE: DTSM Drilling

Work Order No.: 1909151 Rev: 5

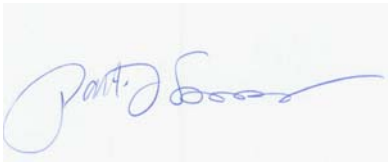
Dear Mukta Patil:

Torrent Laboratory, Inc. received 32 sample(s) on September 17, 2019 for the analyses presented in the following Report.

As requested on the Chain of Custody, 16 samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Patti L Sandrock
QA Officer

October 14, 2019
Date

Date: 10/14/2019

Client: Langan

Project: DTSM Drilling

Work Order: 1909151

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method 6010B, 1905151-009A MS/MSD, QC Analytical Preparation ID 1116747, Note:The % recoveries for Chromium in the MS/MSD and Nickel in the MSD are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.
Lead ad Zinc are not recoverable, The sample concentration is greater than 4X the spike concentration.

Analytical Comments for method SVOC 8270C, 1909151-002A MS, QC Analytical Preparation ID 1116732, Note:The % recoveries for 1,2,4-TCB and 4-Chloro-3-Methylphenol are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include sub-contracted Asbestos data. Data appears as an attachment to the Torrent generated report.

Rev. 1 (9/25/19)

Report revised to include STLC and TCLP data on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 9/30/19 at 10:00 AM to 10/2/19 at 10:15 AM

TCLP

Note: Extraction of 100 g sample/2000 g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (SW-846 1311 TCLP) which was rotated in a rotary shaker@ 32 RPM for 18 hours (+/- 2 hours). Due to limited sample mass, for sample 019, 45 grams of sample/900 grams of TCLP Fluid # 1 was used for extraction. Client permission was obtained to use less than the TCLP method mass of 100 grams.

Date Prepared: 9/30/19 at 6:20 PM to 10/1/19 at 9:40 AM

Rev. 2 (10/3/19)

Report revised to include Lead data for sample 010

Rev. 3 (10/10/19)

Report revised to include STLC Lead data for sample 010,

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/9/19 at 1:10 PM to 10/11/19 at 10:45 AM

Report also revised to correct reporting limits for LUFT metals data.

Rev. 4 (10/14/19)

Report revised to include STLC data for sample 011

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/16/19 @ 10:30 on 10/18/19 @ 09:00.

Rev. 5 (10/18/19)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/14/19

EB-2-0.5 1909151-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.85	2.0	4.49	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	18.1	mg/Kg

EB-2-1.5 1909151-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	1.88	mg/Kg
Barium	SW6010B	1	0.055	5.00	100	mg/Kg
Chromium	SW6010B	1	0.075	5.00	45.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	17.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	10.2	mg/Kg
Nickel	SW6010B	1	0.50	5.00	37.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	48.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	42.6	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	3.57	mg/Kg

EB-3-0.5 1909151-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B	1	13	40	130	mg/Kg
Benzyl Alcohol	SW8270C	2	0.0409	0.576	0.163	mg/Kg
Phenanthrene	SW8270C	2	0.0186	0.288	0.0529	mg/Kg
Fluoranthene	SW8270C	2	0.0200	0.288	0.0851	mg/Kg
Pyrene	SW8270C	2	0.0239	0.288	0.105	mg/Kg
Benzo(a)anthracene	SW8270C	2	0.0196	0.288	0.0529	mg/Kg
Chrysene	SW8270C	2	0.0303	0.288	0.0701	mg/Kg
Benzo(b)fluorathene	SW8270C	2	0.0241	0.288	0.0956	mg/Kg
benzo(k)fluorathene	SW8270C	2	0.0163	0.288	0.0281	mg/Kg
Benzo(a)pyrene	SW8270C	2	0.0196	0.288	0.0748	mg/Kg
Indeno(1,2,3-c,d)pyrene	SW8270C	2	0.0276	0.288	0.0689	mg/Kg
Benzo(g,h,i)perylene	SW8270C	2	0.0333	0.288	0.0693	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/14/19

EB-3-3.0 1909151-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	2.26	mg/Kg
Barium	SW6010B	1	0.055	5.00	112	mg/Kg
Chromium	SW6010B	1	0.075	5.00	73.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	20.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	31.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.20	mg/Kg
Nickel	SW6010B	1	0.50	5.00	55.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	73.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	45.2	mg/Kg

EB-4-0.5 1909151-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	55	mg/Kg
Lead	SW6010B	1	0.20	3.0	1200	mg/Kg
Nickel	SW6010B	1	0.10	5.0	48	mg/Kg
Zinc	SW6010B	1	0.10	5.0	330	mg/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.316	mg/L
Lead (STLC)	SW6010B	1	0.050	0.20	73.4	mg/L
Lead (TCLP)	SW6010B	1	0.050	0.20	0.580	mg/L
TPH as Diesel	SW8015B	1	0.85	2.0	2.75	mg/Kg

EB-4-1.5 1909151-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.12	3.0	64.0	mg/Kg
Lead (STLC)	SW6010B	1	0.050	0.20	2.78	mg/L

EB-4-3.0 1909151-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.12	3.0	65.0	mg/Kg
Lead (STLC)	SW6010B	1	0.050	0.20	0.900	mg/L

EB-4-5.0 1909151-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	110	mg/Kg
Lead	SW6010B	1	0.20	3.0	25	mg/Kg
Nickel	SW6010B	1	0.10	5.0	110	mg/Kg
Zinc	SW6010B	1	0.10	5.0	69	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/14/19

EB-8-0.5 1909151-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.28	mg/Kg
Barium	SW6010B	1	0.055	5.00	104	mg/Kg
Chromium	SW6010B	1	0.075	5.00	37.4	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	30.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	36.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	44.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	66.5	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	11.6	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	327	mg/Kg

EB-8-3.0 1909151-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	97	mg/Kg
Lead	SW6010B	1	0.20	3.0	19	mg/Kg
Nickel	SW6010B	1	0.10	5.0	89	mg/Kg
Zinc	SW6010B	1	0.10	5.0	71	mg/Kg

EB-10-1.5 1909151-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.76	mg/Kg
Barium	SW6010B	1	0.055	5.00	129	mg/Kg
Chromium	SW6010B	1	0.075	5.00	53.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	13.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	19.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	43.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	56.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	59.5	mg/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.240	mg/L
TPH as Diesel	SW8015B	1	0.85	2.0	3.31	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	13.3	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/14/19

EB-10-3.0 1909151-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	150	mg/Kg
Lead	SW6010B	1	0.20	3.0	10	mg/Kg
Nickel	SW6010B	1	0.10	5.0	80	mg/Kg
Zinc	SW6010B	1	0.10	5.0	57	mg/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.230	mg/L
TPH as Diesel	SW8015B	1	0.85	2.0	2.25	mg/Kg

EB-13-0.5 1909151-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	1.61	mg/Kg
Barium	SW6010B	1	0.055	5.00	84.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	70.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	16.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.90	mg/Kg
Nickel	SW6010B	1	0.50	5.00	52.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	50.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	38.0	mg/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.437	mg/L
TPH as Diesel	SW8015B	10	34	80	135	mg/Kg
TPH as Motor Oil	SW8015B	10	130	400	1400	mg/Kg

EB-13-3.0 1909151-023

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	93	mg/Kg
Lead	SW6010B	1	0.20	3.0	11	mg/Kg
Nickel	SW6010B	1	0.10	5.0	58	mg/Kg
Zinc	SW6010B	1	0.10	5.0	56	mg/Kg
TPH as Motor Oil	SW8015B	1	6.4	20	66.5	mg/Kg

EB-14-1.5 1909151-026

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.045	5.0	67	mg/Kg
Lead	SW6010B	1	0.20	3.0	8.3	mg/Kg
Nickel	SW6010B	1	0.10	5.0	50	mg/Kg
Zinc	SW6010B	1	0.10	5.0	45	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	8.76	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	14.1	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Mukta Patil
Langan

Date Received: 09/17/19
Date Reported: 10/14/19

EB-14-5.0 1909151-028

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.055	5.00	167	mg/Kg
Chromium	SW6010B	1	0.075	5.00	128	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	21.8	mg/Kg
Copper	SW6010B	1	0.20	5.00	54.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	9.05	mg/Kg
Nickel	SW6010B	1	0.50	5.00	104	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	101	mg/Kg
Zinc	SW6010B	1	0.30	5.00	65.5	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	59.9	mg/Kg
Benzyl Alcohol	SW8270C	4	0.0819	1.15	0.180	mg/Kg

EB-7-1.5 1909151-030

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B	1	0.85	2.0	2.17	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	11.9	mg/Kg

EB-7-5 1909151-032

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.055	5.00	158	mg/Kg
Chromium	SW6010B	1	0.075	5.00	97.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	22.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	51.5	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.15	mg/Kg
Nickel	SW6010B	1	0.50	5.00	89.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	93.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	60.0	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.69	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	11:51	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**91.0**		%	09/19/19	11:51	MK	442530
DCBP (S)	SW8082A		48 - 135		**77.0**		%	09/19/19	11:51	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19 5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
gamma-BHC (Lindane)	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
beta-BHC	SW8081B	1	0.00032	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
delta-BHC	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Heptachlor	SW8081B	1	0.00011	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Aldrin	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Heptachlor Epoxide	SW8081B	1	0.000078	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
gamma-Chlordane	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
alpha-Chlordane	SW8081B	1	0.00017	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
4,4'-DDE	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endosulfan I	SW8081B	1	0.00018	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Dieldrin	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endrin	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
4,4'-DDD	SW8081B	1	0.00057	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endosulfan II	SW8081B	1	0.00058	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
4,4'-DDT	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endrin Aldehyde	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Methoxychlor	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endosulfan Sulfate	SW8081B	1	0.00012	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Endrin Ketone	SW8081B	1	0.000094	0.0020	ND		mg/Kg	09/19/19	16:38	LA	442574
Chlordane	SW8081B	1	0.0021	0.020	ND		mg/Kg	09/19/19	16:38	LA	442574
Toxaphene	SW8081B	1	0.0085	0.050	ND		mg/Kg	09/19/19	16:38	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**84.6**		%	09/19/19	16:38	LA	442574
DCBP (S)	SW8081B		38 - 135		**92.8**		%	09/19/19	16:38	LA	442574

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	7:47	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	7:47	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	7:47	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**60.0**		%	09/22/19	7:47	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**56.0**		%	09/22/19	7:47	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**58.8**		%	09/22/19	7:47	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**56.8**		%	09/22/19	7:47	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**51.8**		%	09/22/19	7:47	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**60.4**		%	09/22/19	7:47	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**4.49**	x	mg/Kg	09/19/19	17:40	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	**18.1**		mg/Kg	09/19/19	17:40	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**78.4**		%	09/19/19	17:40	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	17:52	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	17:52	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**94.1**		%	09/18/19	17:52	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**99.2**		%	09/18/19	17:52	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**90.0**		%	09/18/19	17:52	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-0.5	**Lab Sample ID:**	1909151-001A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:22		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	17:52	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**72.9**		%	09/18/19	17:52	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:10	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**1.88**		mg/Kg	09/19/19	19:14	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**100**		mg/Kg	09/19/19	19:14	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**45.6**		mg/Kg	09/19/19	19:14	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**11.1**		mg/Kg	09/19/19	19:14	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**17.8**		mg/Kg	09/19/19	19:14	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**10.2**		mg/Kg	09/19/19	19:14	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**37.2**		mg/Kg	09/19/19	19:14	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:14	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**48.0**		mg/Kg	09/19/19	19:14	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**42.6**		mg/Kg	09/19/19	19:14	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	8:16	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	8:16	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	8:16	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**53.6**		%	09/22/19	8:16	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**50.9**		%	09/22/19	8:16	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**54.4**		%	09/22/19	8:16	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**54.6**		%	09/22/19	8:16	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**50.1**		%	09/22/19	8:16	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**61.4**		%	09/22/19	8:16	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**3.57**	x	mg/Kg	09/19/19	18:27	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/19/19	18:27	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**71.9**		%	09/19/19	18:27	MK	442542

NOTE: x-presence of discrete peaks not typical of diesel pattern

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	18:21	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:21	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**96.2**		%	09/18/19	18:21	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**89.6**		%	09/18/19	18:21	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**95.8**		%	09/18/19	18:21	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-2-1.5	**Lab Sample ID:**	1909151-002A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:23		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	18:21	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**75.3**		%	09/18/19	18:21	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	2	0.0938	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
Phenol	SW8270C	2	0.0876	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Bis(2-chloroethyl)ether	SW8270C	2	0.0266	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2-Chlorophenol	SW8270C	2	0.0954	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
1,3-Dichlorobenzene	SW8270C	2	0.0263	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
1,4-Dichlorobenzene	SW8270C	2	0.0293	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Benzyl Alcohol	SW8270C	2	0.0409	0.576	**0.163**	J	mg/Kg	09/22/19	8:45	MT	442584
1,2-Dichlorobenzene	SW8270C	2	0.0270	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	2	0.0587	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	2	0.136	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	0.0626	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
N-nitroso-di-n-propylamine	SW8270C	2	0.0263	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Hexachloroethane	SW8270C	2	0.0341	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Nitrobenzene	SW8270C	2	0.0257	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Isophorone	SW8270C	2	0.0243	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2-Nitrophenol	SW8270C	2	0.0508	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4-Dimethylphenol	SW8270C	2	0.0456	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Benzoic Acid	SW8270C	2	0.0834	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	2	0.0196	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	2	0.0252	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4-Dichlorophenol	SW8270C	2	0.0786	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
1,2,4-Trichlorobenzene	SW8270C	2	0.0237	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Naphthalene	SW8270C	2	0.0212	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,6-Dichlorophenol	SW8270C	2	0.0716	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Hexachloro-1,3-butadiene	SW8270C	2	0.0167	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
4-Chloro-3-methylphenol	SW8270C	2	0.0676	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
2-Methylnaphthalene	SW8270C	2	0.0209	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
1-Methylnaphthalene	SW8270C	2	0.0244	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Hexachlorocyclopentadiene	SW8270C	2	0.0259	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4,6-Trichlorophenol	SW8270C	2	0.0719	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4,5-Trichlorophenol	SW8270C	2	0.0668	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
2-Chloronaphthalene	SW8270C	2	0.0212	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
1,4-Dinitrobenzene	SW8270C	2	0.0206	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Dimethyl phthalate	SW8270C	2	0.0283	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	2	0.0208	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Acenaphthylene	SW8270C	2	0.0166	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,6-Dinitrotoluene	SW8270C	2	0.0226	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
1,2-Dinitrobenzene	SW8270C	2	0.0315	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Acenaphthene	SW8270C	2	0.0213	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4-Dinitrophenol	SW8270C	2	0.155	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
4-Nitrophenol	SW8270C	2	0.109	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
Dibenzofuran	SW8270C	2	0.0224	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,4-Dinitrotoluene	SW8270C	2	0.0242	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	2	0.0552	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	2	0.0629	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Diethylphthalate	SW8270C	2	0.0273	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
Fluorene	SW8270C	2	0.0206	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
4-Chlorophenyl-phenylether	SW8270C	2	0.0186	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	2	0.0268	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Diphenylamine	SW8270C	2	0.0261	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Azobenzene	SW8270C	2	0.227	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
4-Bromophenyl-phenylether	SW8270C	2	0.0165	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Hexachlorobenzene	SW8270C	2	0.0173	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Pentachlorophenol	SW8270C	2	0.0500	0.576	ND		mg/Kg	09/22/19	8:45	MT	442584
Phenanthrene	SW8270C	2	0.0186	0.288	**0.0529**	J	mg/Kg	09/22/19	8:45	MT	442584
Anthracene	SW8270C	2	0.0178	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Carbazole	SW8270C	2	0.0215	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Di-n-butylphthalate	SW8270C	2	0.0270	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Fluoranthene	SW8270C	2	0.0200	0.288	**0.0851**	J	mg/Kg	09/22/19	8:45	MT	442584
Benzidine	SW8270C	2	0.294	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Pyrene	SW8270C	2	0.0239	0.288	**0.105**	J	mg/Kg	09/22/19	8:45	MT	442584
Butylbenzylphthalate	SW8270C	2	0.0421	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
Benzo(a)anthracene	SW8270C	2	0.0196	0.288	**0.0529**	J	mg/Kg	09/22/19	8:45	MT	442584
3,3-Dichlorobenzidine	SW8270C	2	0.235	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Chrysene	SW8270C	2	0.0303	0.288	**0.0701**	J	mg/Kg	09/22/19	8:45	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	2	0.0307	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
Di-n-Octylphthalate	SW8270C	2	0.0246	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Benzo(b)fluorathene	SW8270C	2	0.0241	0.288	**0.0956**	J	mg/Kg	09/22/19	8:45	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	2	0.0163	0.288	**0.0281**	J	mg/Kg	09/22/19	8:45	MT	442584
Benzo(a)pyrene	SW8270C	2	0.0196	0.288	**0.0748**	J	mg/Kg	09/22/19	8:45	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	2	0.0276	0.288	**0.0689**	J	mg/Kg	09/22/19	8:45	MT	442584
Dibenzo(a,h)anthracene	SW8270C	2	0.0254	0.288	ND		mg/Kg	09/22/19	8:45	MT	442584
Benzo(g,h,i)perylene	SW8270C	2	0.0333	0.288	**0.0693**	J	mg/Kg	09/22/19	8:45	MT	442584
Pyridine	SW8270C	2	0.0876	1.44	ND		mg/Kg	09/22/19	8:45	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**59.4**		%	09/22/19	8:45	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**54.8**		%	09/22/19	8:45	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**54.2**		%	09/22/19	8:45	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**59.6**		%	09/22/19	8:45	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**57.1**		%	09/22/19	8:45	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**61.5**		%	09/22/19	8:45	MT	442584

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	ND		mg/Kg	09/19/19	18:51	MK	442542
TPH as Motor Oil	SW8015B	1	13	40	**130**		mg/Kg	09/19/19	18:51	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**80.3**		%	09/19/19	18:51	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	18:50	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	18:50	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**95.3**		%	09/18/19	18:50	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**87.6**		%	09/18/19	18:50	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**98.8**		%	09/18/19	18:50	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-0.5	**Lab Sample ID:**	1909151-005A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:32		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	18:50	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**82.2**		%	09/18/19	18:50	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:13	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**2.26**		mg/Kg	09/19/19	19:17	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**112**		mg/Kg	09/19/19	19:17	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**73.5**		mg/Kg	09/19/19	19:17	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**20.1**		mg/Kg	09/19/19	19:17	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**31.6**		mg/Kg	09/19/19	19:17	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**8.20**		mg/Kg	09/19/19	19:17	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**55.5**		mg/Kg	09/19/19	19:17	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:17	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**73.0**		mg/Kg	09/19/19	19:17	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**45.2**		mg/Kg	09/19/19	19:17	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	17:57	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	9:14	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	9:14	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	9:14	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**47.3**		%	09/22/19	9:14	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**43.9**		%	09/22/19	9:14	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**28.4**		%	09/22/19	9:14	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**47.4**		%	09/22/19	9:14	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**46.6**		%	09/22/19	9:14	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**58.3**		%	09/22/19	9:14	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	09/19/19	19:15	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/19/19	19:15	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**74.6**		%	09/19/19	19:15	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	19:19	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:19	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**100**		%	09/18/19	19:19	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**95.8**		%	09/18/19	19:19	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**91.5**		%	09/18/19	19:19	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-3-3.0	**Lab Sample ID:**	1909151-007A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:34		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	19:19	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**82.3**		%	09/18/19	19:19	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-0.5	**Lab Sample ID:**	1909151-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:40		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19 1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	**0.316**		mg/L	10/02/19	18:01	PPATEL	442823
Lead (STLC)	SW6010B	1	0.050	0.20	**73.4**		mg/L	10/02/19	18:01	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-0.5	**Lab Sample ID:**	1909151-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:40		
SDG:			

Prep Method:	1311/3010B	**Prep Batch Date/Time:**	10/1/19	10:45:00AM
Prep Batch ID:	1117040	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	**0.580**		mg/L	10/01/19	14:07	PPATEL	442807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-0.5	**Lab Sample ID:**	1909151-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:40		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	20:52	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**55**		mg/Kg	09/19/19	20:52	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**1200**		mg/Kg	09/19/19	20:52	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**48**		mg/Kg	09/19/19	20:52	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**330**		mg/Kg	09/19/19	20:52	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-0.5	**Lab Sample ID:**	1909151-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:40		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.75**	x	mg/Kg	09/19/19	19:38	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/19/19	19:38	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**64.7**		%	09/19/19	19:38	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-0.5	**Lab Sample ID:**	1909151-009A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:40		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	13:25	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**76.7**		%	09/19/19	13:25	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-1.5	**Lab Sample ID:**	1909151-010A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:41		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	10/9/19	5:15:00PM
Prep Batch ID:	1117267	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	**64.0**		mg/Kg	10/10/19	12:11	PPATEL	443010

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-1.5	**Lab Sample ID:**	1909151-010A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:41		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/11/19	11:45:00AM
Prep Batch ID:	1117333	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (STLC)	SW6010B	1	0.050	0.20	**2.78**		mg/L	10/11/19	15:59	PPATEL	443065

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-3.0	**Lab Sample ID:**	1909151-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:42		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	10/11/19	3:55:00PM
Prep Batch ID:	1117353	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	**65.0**		mg/Kg	10/13/19	10:13	PPATEL	443080

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-3.0	**Lab Sample ID:**	1909151-011A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:42		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/18/19	9:45:00AM
Prep Batch ID:	1117509	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (STLC)	SW6010B	1	0.050	0.20	**0.900**		mg/L	10/18/19	11:35	PPATEL	443220

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-5.0	**Lab Sample ID:**	1909151-012A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:45		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:04	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-5.0	**Lab Sample ID:**	1909151-012A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:45		
SDG:			

Prep Method:	1311/3010B	**Prep Batch Date/Time:**	10/1/19	10:45:00AM
Prep Batch ID:	1117040	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (TCLP)	SW6010B	1	0.010	0.20	ND		mg/L	10/01/19	14:10	PPATEL	442807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-5.0	**Lab Sample ID:**	1909151-012A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:45		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	21:02	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**110**		mg/Kg	09/19/19	21:02	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**25**		mg/Kg	09/19/19	21:02	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**110**		mg/Kg	09/19/19	21:02	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**69**		mg/Kg	09/19/19	21:02	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-5.0	**Lab Sample ID:**	1909151-012A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:45		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	09/19/19	20:02	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/19/19	20:02	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**66.5**		%	09/19/19	20:02	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-4-5.0	**Lab Sample ID:**	1909151-012A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:45		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	16:10	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**95.4**		%	09/19/19	16:10	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:15	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**3.28**		mg/Kg	09/19/19	19:21	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**104**		mg/Kg	09/19/19	19:21	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**37.4**		mg/Kg	09/19/19	19:21	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**10.6**		mg/Kg	09/19/19	19:21	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**28.4**		mg/Kg	09/19/19	19:21	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**30.6**		mg/Kg	09/19/19	19:21	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**36.0**		mg/Kg	09/19/19	19:21	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:21	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**44.0**		mg/Kg	09/19/19	19:21	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**66.5**		mg/Kg	09/19/19	19:21	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	4	2.60	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Phenol	SW8270C	4	2.43	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Bis(2-chloroethyl)ether	SW8270C	4	0.738	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2-Chlorophenol	SW8270C	4	2.65	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
1,3-Dichlorobenzene	SW8270C	4	0.730	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
1,4-Dichlorobenzene	SW8270C	4	0.813	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzyl Alcohol	SW8270C	4	1.14	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
1,2-Dichlorobenzene	SW8270C	4	0.750	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	4	1.63	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	4	3.78	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	4	1.74	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
N-nitroso-di-n-propylamine	SW8270C	4	0.731	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Hexachloroethane	SW8270C	4	0.948	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Nitrobenzene	SW8270C	4	0.713	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Isophorone	SW8270C	4	0.676	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2-Nitrophenol	SW8270C	4	1.41	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4-Dimethylphenol	SW8270C	4	1.27	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzoic Acid	SW8270C	4	2.32	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	4	0.544	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	4	0.700	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4-Dichlorophenol	SW8270C	4	2.18	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
1,2,4-Trichlorobenzene	SW8270C	4	0.657	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Naphthalene	SW8270C	4	0.588	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,6-Dichlorophenol	SW8270C	4	1.99	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Hexachloro-1,3-butadiene	SW8270C	4	0.463	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
4-Chloro-3-methylphenol	SW8270C	4	1.88	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
2-Methylnaphthalene	SW8270C	4	0.580	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
1-Methylnaphthalene	SW8270C	4	0.677	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Hexachlorocyclopentadiene	SW8270C	4	0.719	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4,6-Trichlorophenol	SW8270C	4	2.00	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4,5-Trichlorophenol	SW8270C	4	1.86	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
2-Chloronaphthalene	SW8270C	4	0.589	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
1,4-Dinitrobenzene	SW8270C	4	0.573	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Dimethyl phthalate	SW8270C	4	0.786	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	4	0.577	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Acenaphthylene	SW8270C	4	0.460	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,6-Dinitrotoluene	SW8270C	4	0.629	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
1,2-Dinitrobenzene	SW8270C	4	0.876	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Acenaphthene	SW8270C	4	0.592	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4-Dinitrophenol	SW8270C	4	4.31	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
4-Nitrophenol	SW8270C	4	3.04	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Dibenzofuran	SW8270C	4	0.623	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,4-Dinitrotoluene	SW8270C	4	0.672	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	4	1.53	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	4	1.75	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Diethylphthalate	SW8270C	4	0.757	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Fluorene	SW8270C	4	0.573	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
4-Chlorophenyl-phenylether	SW8270C	4	0.518	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	4	0.743	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Diphenylamine	SW8270C	4	0.725	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Azobenzene	SW8270C	4	6.32	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
4-Bromophenyl-phenylether	SW8270C	4	0.457	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Hexachlorobenzene	SW8270C	4	0.481	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Pentachlorophenol	SW8270C	4	1.39	16.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Phenanthrene	SW8270C	4	0.518	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Anthracene	SW8270C	4	0.495	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Carbazole	SW8270C	4	0.597	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Di-n-butylphthalate	SW8270C	4	0.750	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Fluoranthene	SW8270C	4	0.556	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzidine	SW8270C	4	8.16	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Pyrene	SW8270C	4	0.664	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Butylbenzylphthalate	SW8270C	4	1.17	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzo(a)anthracene	SW8270C	4	0.545	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
3,3-Dichlorobenzidine	SW8270C	4	6.54	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Chrysene	SW8270C	4	0.842	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	4	0.852	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
Di-n-Octylphthalate	SW8270C	4	0.682	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzo(b)fluorathene	SW8270C	4	0.669	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	4	0.453	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzo(a)pyrene	SW8270C	4	0.544	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	4	0.767	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Dibenzo(a,h)anthracene	SW8270C	4	0.706	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Benzo(g,h,i)perylene	SW8270C	4	0.925	8.00	ND		mg/Kg	09/22/19	9:43	MT	442584
Pyridine	SW8270C	4	2.43	40.0	ND		mg/Kg	09/22/19	9:43	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	09/22/19	9:43	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	09/22/19	9:43	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	09/22/19	9:43	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	09/22/19	9:43	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	09/22/19	9:43	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	09/22/19	9:43	MT	442584

NOTE: Reporting limits raised due to nature of the matrix (extremely dark and viscous extract) and necessary dilution of the sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	**11.6**	x	mg/Kg	09/19/19	20:25	MK	442542
TPH as Motor Oil	SW8015B	1	13	40	**327**		mg/Kg	09/19/19	20:25	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**59.4**		%	09/19/19	20:25	MK	442542

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	19:48	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	19:48	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**99.9**		%	09/18/19	19:48	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**96.8**		%	09/18/19	19:48	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**89.6**		%	09/18/19	19:48	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-0.5	**Lab Sample ID:**	1909151-013A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:22		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	19:48	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**71.9**		%	09/18/19	19:48	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:07	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	21:05	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**97**		mg/Kg	09/19/19	21:05	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**19**		mg/Kg	09/19/19	21:05	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**89**		mg/Kg	09/19/19	21:05	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**71**		mg/Kg	09/19/19	21:05	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	12:05	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**73.0**		%	09/19/19	12:05	MK	442530
DCBP (S)	SW8082A		48 - 135		**61.0**		%	09/19/19	12:05	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19 5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
gamma-BHC (Lindane)	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
beta-BHC	SW8081B	1	0.00032	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
delta-BHC	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Heptachlor	SW8081B	1	0.00011	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Aldrin	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Heptachlor Epoxide	SW8081B	1	0.000078	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
gamma-Chlordane	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
alpha-Chlordane	SW8081B	1	0.00017	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
4,4'-DDE	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endosulfan I	SW8081B	1	0.00018	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Dieldrin	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endrin	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
4,4'-DDD	SW8081B	1	0.00057	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endosulfan II	SW8081B	1	0.00058	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
4,4'-DDT	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endrin Aldehyde	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Methoxychlor	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endosulfan Sulfate	SW8081B	1	0.00012	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Endrin Ketone	SW8081B	1	0.000094	0.0020	ND		mg/Kg	09/19/19	16:52	LA	442574
Chlordane	SW8081B	1	0.0021	0.020	ND		mg/Kg	09/19/19	16:52	LA	442574
Toxaphene	SW8081B	1	0.0085	0.050	ND		mg/Kg	09/19/19	16:52	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**65.7**		%	09/19/19	16:52	LA	442574
DCBP (S)	SW8081B		38 - 135		**63.3**		%	09/19/19	16:52	LA	442574

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	10:12	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	10:12	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	10:12	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**52.2**		%	09/22/19	10:12	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**48.9**		%	09/22/19	10:12	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**50.0**		%	09/22/19	10:12	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**50.8**		%	09/22/19	10:12	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**45.3**		%	09/22/19	10:12	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**61.7**		%	09/22/19	10:12	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	09/19/19	20:49	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/19/19	20:49	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**59.4**		%	09/19/19	20:49	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/18/19	20:17	BP	442522
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/18/19 10:03:00AM
Prep Batch ID:	1116744	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/18/19	20:17	BP	442522
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**101**		%	09/18/19	20:17	BP	442522
(S) Toluene-d8	SW8260B		55.2 - 133		**96.7**		%	09/18/19	20:17	BP	442522
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**93.5**		%	09/18/19	20:17	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-8-3.0	**Lab Sample ID:**	1909151-015A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 10:24		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/18/19	10:03:00AM
Prep Batch ID:	1116745	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/18/19	20:17	BP	442522
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**83.9**		%	09/18/19	20:17	BP	442522

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:17	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**3.76**		mg/Kg	09/19/19	19:24	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**129**		mg/Kg	09/19/19	19:24	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**53.5**		mg/Kg	09/19/19	19:24	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**13.7**		mg/Kg	09/19/19	19:24	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**28.8**		mg/Kg	09/19/19	19:24	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**19.3**		mg/Kg	09/19/19	19:24	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**43.6**		mg/Kg	09/19/19	19:24	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:24	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**56.0**		mg/Kg	09/19/19	19:24	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**59.5**		mg/Kg	09/19/19	19:24	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	**0.240**		mg/L	10/02/19	18:10	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	12:20	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**66.0**		%	09/19/19	12:20	MK	442530
DCBP (S)	SW8082A		48 - 135		**56.0**		%	09/19/19	12:20	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19 5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.00038	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
gamma-BHC (Lindane)	SW8081B	3	0.00048	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
beta-BHC	SW8081B	3	0.00095	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
delta-BHC	SW8081B	3	0.00047	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Heptachlor	SW8081B	3	0.00032	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Aldrin	SW8081B	3	0.00059	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Heptachlor Epoxide	SW8081B	3	0.00023	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
gamma-Chlordane	SW8081B	3	0.00049	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
alpha-Chlordane	SW8081B	3	0.00052	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
4,4'-DDE	SW8081B	3	0.00058	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endosulfan I	SW8081B	3	0.00055	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Dieldrin	SW8081B	3	0.00044	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endrin	SW8081B	3	0.00056	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
4,4'-DDD	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endosulfan II	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
4,4'-DDT	SW8081B	3	0.00039	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endrin Aldehyde	SW8081B	3	0.00045	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Methoxychlor	SW8081B	3	0.00060	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endosulfan Sulfate	SW8081B	3	0.00035	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Endrin Ketone	SW8081B	3	0.00028	0.0060	ND		mg/Kg	09/19/19	17:32	LA	442574
Chlordane	SW8081B	3	0.0063	0.060	ND		mg/Kg	09/19/19	17:32	LA	442574
Toxaphene	SW8081B	3	0.026	0.15	ND		mg/Kg	09/19/19	17:32	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**63.1**		%	09/19/19	17:32	LA	442574
DCBP (S)	SW8081B		38 - 135		**70.8**		%	09/19/19	17:32	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	10:41	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	10:41	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	10:41	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**41.8**		%	09/22/19	10:41	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**40.7**		%	09/22/19	10:41	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**40.4**		%	09/22/19	10:41	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**43.8**	S	%	09/22/19	10:41	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**39.0**		%	09/22/19	10:41	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**51.6**		%	09/22/19	10:41	MT	442584

NOTE: S-surrogate outside of control limits due to possible matrix interference

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**3.31**	x	mg/Kg	09/20/19	4:48	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	**13.3**		mg/Kg	09/20/19	4:48	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**60.2**		%	09/20/19	4:48	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/19/19	16:39	BP	442617
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	16:39	BP	442617
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**118**		%	09/19/19	16:39	BP	442617
(S) Toluene-d8	SW8260B		55.2 - 133		**101**		%	09/19/19	16:39	BP	442617
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**91.1**		%	09/19/19	16:39	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-1.5	**Lab Sample ID:**	1909151-018A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:42		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	16:39	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**86.3**		%	09/19/19	16:39	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	**0.230**		mg/L	10/02/19	18:13	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	1311/3010B	**Prep Batch Date/Time:**	10/1/19	10:45:00AM
Prep Batch ID:	1117040	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (TCLP)	SW6010B	1	0.010	0.20	ND		mg/L	10/01/19	14:26	PPATEL	442807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	21:08	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**150**		mg/Kg	09/19/19	21:08	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**10**		mg/Kg	09/19/19	21:08	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**80**		mg/Kg	09/19/19	21:08	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**57**		mg/Kg	09/19/19	21:08	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	12:35	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**87.0**		%	09/19/19	12:35	MK	442530
DCBP (S)	SW8082A		48 - 135		**74.0**		%	09/19/19	12:35	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19	5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
gamma-BHC (Lindane)	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
beta-BHC	SW8081B	1	0.00032	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
delta-BHC	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Heptachlor	SW8081B	1	0.00011	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Aldrin	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Heptachlor Epoxide	SW8081B	1	0.000078	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
gamma-Chlordane	SW8081B	1	0.00016	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
alpha-Chlordane	SW8081B	1	0.00017	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
4,4'-DDE	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endosulfan I	SW8081B	1	0.00018	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Dieldrin	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endrin	SW8081B	1	0.00019	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
4,4'-DDD	SW8081B	1	0.00057	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endosulfan II	SW8081B	1	0.00058	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
4,4'-DDT	SW8081B	1	0.00013	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endrin Aldehyde	SW8081B	1	0.00015	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Methoxychlor	SW8081B	1	0.00020	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endosulfan Sulfate	SW8081B	1	0.00012	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Endrin Ketone	SW8081B	1	0.000094	0.0020	ND		mg/Kg	09/19/19	17:46	LA	442574
Chlordane	SW8081B	1	0.0021	0.020	ND		mg/Kg	09/19/19	17:46	LA	442574
Toxaphene	SW8081B	1	0.0085	0.050	ND		mg/Kg	09/19/19	17:46	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**80.7**		%	09/19/19	17:46	LA	442574
DCBP (S)	SW8081B		38 - 135		**87.6**		%	09/19/19	17:46	LA	442574

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	0.0469	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
Phenol	SW8270C	1	0.0438	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Bis(2-chloroethyl)ether	SW8270C	1	0.0133	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2-Chlorophenol	SW8270C	1	0.0477	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
1,3-Dichlorobenzene	SW8270C	1	0.0131	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
1,4-Dichlorobenzene	SW8270C	1	0.0146	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzyl Alcohol	SW8270C	1	0.0205	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
1,2-Dichlorobenzene	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	1	0.0293	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	0.0680	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	0.0313	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
N-nitroso-di-n-propylamine	SW8270C	1	0.0132	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Hexachloroethane	SW8270C	1	0.0171	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Nitrobenzene	SW8270C	1	0.0128	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Isophorone	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2-Nitrophenol	SW8270C	1	0.0254	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4-Dimethylphenol	SW8270C	1	0.0228	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzoic Acid	SW8270C	1	0.0417	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	1	0.00979	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	1	0.0126	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4-Dichlorophenol	SW8270C	1	0.0393	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
1,2,4-Trichlorobenzene	SW8270C	1	0.0118	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Naphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,6-Dichlorophenol	SW8270C	1	0.0358	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Hexachloro-1,3-butadiene	SW8270C	1	0.00834	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
4-Chloro-3-methylphenol	SW8270C	1	0.0338	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
2-Methylnaphthalene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
1-Methylnaphthalene	SW8270C	1	0.0122	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Hexachlorocyclopentadiene	SW8270C	1	0.0129	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4,6-Trichlorophenol	SW8270C	1	0.0359	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4,5-Trichlorophenol	SW8270C	1	0.0334	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
2-Chloronaphthalene	SW8270C	1	0.0106	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
1,4-Dinitrobenzene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Dimethyl phthalate	SW8270C	1	0.0142	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
1,3-Dinitrobenzene	SW8270C	1	0.0104	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Acenaphthylene	SW8270C	1	0.00828	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,6-Dinitrotoluene	SW8270C	1	0.0113	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
1,2-Dinitrobenzene	SW8270C	1	0.0158	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Acenaphthene	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4-Dinitrophenol	SW8270C	1	0.0776	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
4-Nitrophenol	SW8270C	1	0.0547	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
Dibenzofuran	SW8270C	1	0.0112	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,4-Dinitrotoluene	SW8270C	1	0.0121	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	1	0.0276	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	1	0.0315	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Diethylphthalate	SW8270C	1	0.0136	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
Fluorene	SW8270C	1	0.0103	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
4-Chlorophenyl-phenylether	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	1	0.0134	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Diphenylamine	SW8270C	1	0.0130	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Azobenzene	SW8270C	1	0.114	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
4-Bromophenyl-phenylether	SW8270C	1	0.00823	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Hexachlorobenzene	SW8270C	1	0.00866	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Pentachlorophenol	SW8270C	1	0.0250	0.288	ND		mg/Kg	09/22/19	11:10	MT	442584
Phenanthrene	SW8270C	1	0.00932	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Anthracene	SW8270C	1	0.00891	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Carbazole	SW8270C	1	0.0107	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Di-n-butylphthalate	SW8270C	1	0.0135	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Fluoranthene	SW8270C	1	0.01000	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzidine	SW8270C	1	0.147	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Pyrene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Butylbenzylphthalate	SW8270C	1	0.0210	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzo(a)anthracene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
3,3-Dichlorobenzidine	SW8270C	1	0.118	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Chrysene	SW8270C	1	0.0152	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	1	0.0153	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
Di-n-Octylphthalate	SW8270C	1	0.0123	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzo(b)fluorathene	SW8270C	1	0.0120	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
benzo(k)fluorathene	SW8270C	1	0.00816	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzo(a)pyrene	SW8270C	1	0.00980	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Indeno(1,2,3-c,d)pyrene	SW8270C	1	0.0138	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Dibenzo(a,h)anthracene	SW8270C	1	0.0127	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Benzo(g,h,i)perylene	SW8270C	1	0.0167	0.144	ND		mg/Kg	09/22/19	11:10	MT	442584
Pyridine	SW8270C	1	0.0438	0.720	ND		mg/Kg	09/22/19	11:10	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**61.1**		%	09/22/19	11:10	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**57.4**		%	09/22/19	11:10	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**65.3**		%	09/22/19	11:10	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**60.5**		%	09/22/19	11:10	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**56.2**		%	09/22/19	11:10	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**76.0**		%	09/22/19	11:10	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.25**	x	mg/Kg	09/20/19	5:11	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/20/19	5:11	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**70.1**		%	09/20/19	5:11	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/19/19	17:07	BP	442617
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	17:07	BP	442617
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**119**		%	09/19/19	17:07	BP	442617
(S) Toluene-d8	SW8260B		55.2 - 133		**97.4**		%	09/19/19	17:07	BP	442617
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**91.4**		%	09/19/19	17:07	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-10-3.0	**Lab Sample ID:**	1909151-019A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:43		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	17:07	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**95.7**		%	09/19/19	17:07	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-0.5	**Lab Sample ID:**	1909151-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:21		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:23	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-0.5	**Lab Sample ID:**	1909151-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:21		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	**1.61**		mg/Kg	09/19/19	19:27	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**84.5**		mg/Kg	09/19/19	19:27	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**70.5**		mg/Kg	09/19/19	19:27	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**16.7**		mg/Kg	09/19/19	19:27	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**29.3**		mg/Kg	09/19/19	19:27	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**8.90**		mg/Kg	09/19/19	19:27	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**52.0**		mg/Kg	09/19/19	19:27	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:27	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**50.5**		mg/Kg	09/19/19	19:27	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**38.0**		mg/Kg	09/19/19	19:27	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-0.5	**Lab Sample ID:**	1909151-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:21		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	**0.437**		mg/L	10/02/19	18:17	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-0.5	**Lab Sample ID:**	1909151-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:21		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	10	34	80	**135**	x	mg/Kg	09/20/19	12:25	MK	442542
TPH as Motor Oil	SW8015B	10	130	400	**1400**		mg/Kg	09/20/19	12:25	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**0.000**	D	%	09/20/19	12:25	MK	442542

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-0.5	**Lab Sample ID:**	1909151-021A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:21		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	17:36	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**49.7**		%	09/19/19	17:36	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-3.0	**Lab Sample ID:**	1909151-023A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:23		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:20	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-3.0	**Lab Sample ID:**	1909151-023A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:23		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19	2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	21:12	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**93**		mg/Kg	09/19/19	21:12	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**11**		mg/Kg	09/19/19	21:12	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**58**		mg/Kg	09/19/19	21:12	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**56**		mg/Kg	09/19/19	21:12	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-3.0	**Lab Sample ID:**	1909151-023A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:23		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.7	4.0	ND		mg/Kg	09/20/19	5:59	MK	442542
TPH as Motor Oil	SW8015B	1	6.4	20	**66.5**		mg/Kg	09/20/19	5:59	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**70.5**		%	09/20/19	5:59	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-13-3.0	**Lab Sample ID:**	1909151-023A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/12/19 / 8:23		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/22/19	8:08:00AM
Prep Batch ID:	1116831	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/22/19	15:08	BP	442591
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**86.0**		%	09/22/19	15:08	BP	442591

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:29	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 2:30:00PM
Prep Batch ID:	1116747	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Cadmium	SW6010B	1	0.10	5.0	ND		mg/Kg	09/19/19	21:15	PPATEL	442550
Chromium	SW6010B	1	0.045	5.0	**67**		mg/Kg	09/19/19	21:15	PPATEL	442550
Lead	SW6010B	1	0.20	3.0	**8.3**		mg/Kg	09/19/19	21:15	PPATEL	442550
Nickel	SW6010B	1	0.10	5.0	**50**		mg/Kg	09/19/19	21:15	PPATEL	442550
Zinc	SW6010B	1	0.10	5.0	**45**		mg/Kg	09/19/19	21:15	PPATEL	442550

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/17/19 8:28:00PM
Prep Batch ID:	1116695	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	12:50	MK	442530
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**96.0**		%	09/19/19	12:50	MK	442530
DCBP (S)	SW8082A		48 - 135		**86.0**		%	09/19/19	12:50	MK	442530

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19 5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.00038	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
gamma-BHC (Lindane)	SW8081B	3	0.00048	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
beta-BHC	SW8081B	3	0.00095	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
delta-BHC	SW8081B	3	0.00047	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Heptachlor	SW8081B	3	0.00032	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Aldrin	SW8081B	3	0.00059	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Heptachlor Epoxide	SW8081B	3	0.00023	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
gamma-Chlordane	SW8081B	3	0.00049	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
alpha-Chlordane	SW8081B	3	0.00052	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
4,4'-DDE	SW8081B	3	0.00058	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endosulfan I	SW8081B	3	0.00055	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Dieldrin	SW8081B	3	0.00044	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endrin	SW8081B	3	0.00056	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
4,4'-DDD	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endosulfan II	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
4,4'-DDT	SW8081B	3	0.00039	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endrin Aldehyde	SW8081B	3	0.00045	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Methoxychlor	SW8081B	3	0.00060	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endosulfan Sulfate	SW8081B	3	0.00035	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Endrin Ketone	SW8081B	3	0.00028	0.0060	ND		mg/Kg	09/19/19	17:59	LA	442574
Chlordane	SW8081B	3	0.0063	0.060	ND		mg/Kg	09/19/19	17:59	LA	442574
Toxaphene	SW8081B	3	0.026	0.15	ND		mg/Kg	09/19/19	17:59	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**91.0**		%	09/19/19	17:59	LA	442574
DCBP (S)	SW8081B		38 - 135		**102**		%	09/19/19	17:59	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**8.76**	x	mg/Kg	09/20/19	6:22	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	**14.1**		mg/Kg	09/20/19	6:22	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**74.7**		%	09/20/19	6:22	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-1.5	**Lab Sample ID:**	1909151-026A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:06		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	18:37	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**74.9**		%	09/19/19	18:37	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735	**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:26	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**167**		mg/Kg	09/19/19	19:36	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**128**		mg/Kg	09/19/19	19:36	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**21.8**		mg/Kg	09/19/19	19:36	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**54.0**		mg/Kg	09/19/19	19:36	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**9.05**		mg/Kg	09/19/19	19:36	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**104**		mg/Kg	09/19/19	19:36	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:36	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**101**		mg/Kg	09/19/19	19:36	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**65.5**		mg/Kg	09/19/19	19:36	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19 1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:32	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	1311/3010B	**Prep Batch Date/Time:**	10/1/19	10:45:00AM
Prep Batch ID:	1117040	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (TCLP)	SW6010B	1	0.010	0.20	ND		mg/L	10/01/19	14:29	PPATEL	442807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	4	0.188	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
Phenol	SW8270C	4	0.175	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Bis(2-chloroethyl)ether	SW8270C	4	0.0532	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2-Chlorophenol	SW8270C	4	0.191	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
1,3-Dichlorobenzene	SW8270C	4	0.0526	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
1,4-Dichlorobenzene	SW8270C	4	0.0585	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzyl Alcohol	SW8270C	4	0.0819	1.15	**0.180**	J	mg/Kg	09/22/19	11:39	MT	442584
1,2-Dichlorobenzene	SW8270C	4	0.0540	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2-Methylphenol (o-Cresol)	SW8270C	4	0.117	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	4	0.272	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	4	0.125	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
N-nitroso-di-n-propylamine	SW8270C	4	0.0526	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Hexachloroethane	SW8270C	4	0.0682	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Nitrobenzene	SW8270C	4	0.0514	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Isophorone	SW8270C	4	0.0487	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2-Nitrophenol	SW8270C	4	0.102	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4-Dimethylphenol	SW8270C	4	0.0913	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzoic Acid	SW8270C	4	0.167	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Bis(2-Chloroethoxy)methane	SW8270C	4	0.0392	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Bis(2-chloroisopropyl)ether	SW8270C	4	0.0504	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4-Dichlorophenol	SW8270C	4	0.157	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
1,2,4-Trichlorobenzene	SW8270C	4	0.0473	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Naphthalene	SW8270C	4	0.0423	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,6-Dichlorophenol	SW8270C	4	0.143	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Hexachloro-1,3-butadiene	SW8270C	4	0.0333	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
4-Chloro-3-methylphenol	SW8270C	4	0.135	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
2-Methylnaphthalene	SW8270C	4	0.0417	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
1-Methylnaphthalene	SW8270C	4	0.0488	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Hexachlorocyclopentadiene	SW8270C	4	0.0518	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4,6-Trichlorophenol	SW8270C	4	0.144	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4,5-Trichlorophenol	SW8270C	4	0.134	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
2-Chloronaphthalene	SW8270C	4	0.0424	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
1,4-Dinitrobenzene	SW8270C	4	0.0413	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Dimethyl phthalate	SW8270C	4	0.0566	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
1,3-Dinitrobenzene	SW8270C	4	0.0416	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Acenaphthylene	SW8270C	4	0.0331	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,6-Dinitrotoluene	SW8270C	4	0.0453	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
1,2-Dinitrobenzene	SW8270C	4	0.0630	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Acenaphthene	SW8270C	4	0.0427	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4-Dinitrophenol	SW8270C	4	0.310	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
4-Nitrophenol	SW8270C	4	0.219	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
Dibenzofuran	SW8270C	4	0.0449	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,4-Dinitrotoluene	SW8270C	4	0.0483	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
2,3,5,6-Tetrachlorophenol	SW8270C	4	0.110	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
2,3,4,6-Tetrachlorophenol	SW8270C	4	0.126	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Diethylphthalate	SW8270C	4	0.0545	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
Fluorene	SW8270C	4	0.0412	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
4-Chlorophenyl-phenylether	SW8270C	4	0.0373	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
4,6-Dinitro-2-methylphenol	SW8270C	4	0.0535	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Diphenylamine	SW8270C	4	0.0522	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Azobenzene	SW8270C	4	0.455	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
4-Bromophenyl-phenylether	SW8270C	4	0.0329	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Hexachlorobenzene	SW8270C	4	0.0346	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Pentachlorophenol	SW8270C	4	0.1000	1.15	ND		mg/Kg	09/22/19	11:39	MT	442584
Phenanthrene	SW8270C	4	0.0373	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Anthracene	SW8270C	4	0.0356	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Carbazole	SW8270C	4	0.0430	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Di-n-butylphthalate	SW8270C	4	0.0540	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Fluoranthene	SW8270C	4	0.0400	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzidine	SW8270C	4	0.588	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Pyrene	SW8270C	4	0.0478	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Butylbenzylphthalate	SW8270C	4	0.0841	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzo(a)anthracene	SW8270C	4	0.0392	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
3,3-Dichlorobenzidine	SW8270C	4	0.471	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Chrysene	SW8270C	4	0.0606	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Bis(2-Ethylhexyl)phthalate	SW8270C	4	0.0613	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
Di-n-Octylphthalate	SW8270C	4	0.0491	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzo(b)fluorathene	SW8270C	4	0.0481	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	9/18/19 11:17:00AM
Prep Batch ID:	1116732	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
benzo(k)fluorathene	SW8270C	4	0.0326	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzo(a)pyrene	SW8270C	4	0.0392	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Indeno(1,2,3-c,d)pyrene	SW8270C	4	0.0552	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Dibenzo(a,h)anthracene	SW8270C	4	0.0508	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Benzo(g,h,i)perylene	SW8270C	4	0.0666	0.576	ND		mg/Kg	09/22/19	11:39	MT	442584
Pyridine	SW8270C	4	0.175	2.88	ND		mg/Kg	09/22/19	11:39	MT	442584
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**70.1**		%	09/22/19	11:39	MT	442584
Phenol-d6 (S)	SW8270C		24 - 113		**63.1**		%	09/22/19	11:39	MT	442584
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**65.2**		%	09/22/19	11:39	MT	442584
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**71.4**		%	09/22/19	11:39	MT	442584
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**63.0**		%	09/22/19	11:39	MT	442584
Terphenyl-d14 (S)	SW8270C		18 - 137		**79.6**		%	09/22/19	11:39	MT	442584

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	ND		mg/Kg	09/20/19	6:46	MK	442542
TPH as Motor Oil	SW8015B	1	13	40	**59.9**		mg/Kg	09/20/19	6:46	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**88.9**		%	09/20/19	6:46	MK	442542

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/19/19	19:03	BP	442617
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	9/19/19 9:35:00AM
Prep Batch ID:	1116857	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/19/19	19:03	BP	442617
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**126**		%	09/19/19	19:03	BP	442617
(S) Toluene-d8	SW8260B		55.2 - 133		**104**		%	09/19/19	19:03	BP	442617
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**94.6**		%	09/19/19	19:03	BP	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-14-5.0	**Lab Sample ID:**	1909151-028A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 / 11:09		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	9:35:00AM
Prep Batch ID:	1116858	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	19:03	bp	442617
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**79.6**		%	09/19/19	19:03	bp	442617

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-1.5	**Lab Sample ID:**	1909151-030A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	9/18/19 4:17:00PM
Prep Batch ID:	1116722	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	09/19/19	13:22	MK	442501
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**95.0**		%	09/19/19	13:22	MK	442501
DCBP (S)	SW8082A		48 - 135		**88.0**		%	09/19/19	13:22	MK	442501

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-1.5	**Lab Sample ID:**	1909151-030A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	9/18/19 5:13:00PM
Prep Batch ID:	1116724	**Prep Analyst:**	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.00038	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
gamma-BHC (Lindane)	SW8081B	3	0.00048	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
beta-BHC	SW8081B	3	0.00095	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
delta-BHC	SW8081B	3	0.00047	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Heptachlor	SW8081B	3	0.00032	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Aldrin	SW8081B	3	0.00059	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Heptachlor Epoxide	SW8081B	3	0.00023	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
gamma-Chlordane	SW8081B	3	0.00049	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
alpha-Chlordane	SW8081B	3	0.00052	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
4,4'-DDE	SW8081B	3	0.00058	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endosulfan I	SW8081B	3	0.00055	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Dieldrin	SW8081B	3	0.00044	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endrin	SW8081B	3	0.00056	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
4,4'-DDD	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endosulfan II	SW8081B	3	0.0017	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
4,4'-DDT	SW8081B	3	0.00039	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endrin Aldehyde	SW8081B	3	0.00045	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Methoxychlor	SW8081B	3	0.00060	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endosulfan Sulfate	SW8081B	3	0.00035	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Endrin Ketone	SW8081B	3	0.00028	0.0060	ND		mg/Kg	09/19/19	18:13	LA	442574
Chlordane	SW8081B	3	0.0063	0.060	ND		mg/Kg	09/19/19	18:13	LA	442574
Toxaphene	SW8081B	3	0.026	0.15	ND		mg/Kg	09/19/19	18:13	LA	442574
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**90.1**		%	09/19/19	18:13	LA	442574
DCBP (S)	SW8081B		38 - 135		**100**		%	09/19/19	18:13	LA	442574

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-1.5	**Lab Sample ID:**	1909151-030A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.17**	x	mg/Kg	09/20/19	7:10	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	**11.9**		mg/Kg	09/20/19	7:10	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**77.6**		%	09/20/19	7:10	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-1.5	**Lab Sample ID:**	1909151-030A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	10:12:00AM
Prep Batch ID:	1116784	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	16:29	BP	442541
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**85.5**		%	09/19/19	16:29	BP	442541

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-5	**Lab Sample ID:**	1909151-032A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	7471BP		**Prep Batch Date/Time:**	9/19/19	12:05:00PM
Prep Batch ID:	1116735		**Prep Analyst:**	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/20/19	12:28	BJAY	442555

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-5	**Lab Sample ID:**	1909151-032A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	9/19/19 12:15:00PM
Prep Batch ID:	1116736	**Prep Analyst:**	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Arsenic	SW6010B	1	0.15	1.30	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Barium	SW6010B	1	0.055	5.00	**158**		mg/Kg	09/19/19	19:39	PPATEL	442549
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Chromium	SW6010B	1	0.075	5.00	**97.0**		mg/Kg	09/19/19	19:39	PPATEL	442549
Cobalt	SW6010B	1	0.070	5.00	**22.7**		mg/Kg	09/19/19	19:39	PPATEL	442549
Copper	SW6010B	1	0.20	5.00	**51.5**		mg/Kg	09/19/19	19:39	PPATEL	442549
Lead	SW6010B	1	0.10	3.00	**8.15**		mg/Kg	09/19/19	19:39	PPATEL	442549
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Nickel	SW6010B	1	0.50	5.00	**89.0**		mg/Kg	09/19/19	19:39	PPATEL	442549
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	09/19/19	19:39	PPATEL	442549
Vanadium	SW6010B	1	0.10	5.00	**93.0**		mg/Kg	09/19/19	19:39	PPATEL	442549
Zinc	SW6010B	1	0.30	5.00	**60.0**		mg/Kg	09/19/19	19:39	PPATEL	442549

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-5	**Lab Sample ID:**	1909151-032A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	WET/3010B	**Prep Batch Date/Time:**	10/2/19	1:20:00PM
Prep Batch ID:	1117081	**Prep Analyst:**	IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	10/02/19	18:35	PPATEL	442823

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-5	**Lab Sample ID:**	1909151-032A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	3546_TPH	**Prep Batch Date/Time:**	9/18/19 1:52:00PM
Prep Batch ID:	1116712	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	**2.69**	x	mg/Kg	09/20/19	7:33	MK	442542
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	09/20/19	7:33	MK	442542
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**69.2**		%	09/20/19	7:33	MK	442542

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Mukta Patil
Langan

Date/Time Received: 09/17/19, 1:30 pm
Date Reported: 10/14/19

Client Sample ID:	EB-7-5	**Lab Sample ID:**	1909151-032A
Project Name/Location:	DTSM Drilling	**Sample Matrix:**	Soil
Project Number:	770654001		
Date/Time Sampled:	09/13/19 /		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	9/19/19	10:12:00AM
Prep Batch ID:	1116784	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	09/19/19	16:58	BP	442541
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**87.4**		%	09/19/19	16:58	BP	442541

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3546_PCB	**Prep Date:**	09/17/19	**Prep Batch:**	1116695
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442494
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			91.0	
DCBP (S)			86.0	

Work Order:	1909151	**Prep Method:**	3546_TPH	**Prep Date:**	09/18/19	**Prep Batch:**	1116712
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442542
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	1.08	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			87.5	

Work Order:	1909151	**Prep Method:**	3546_PCB	**Prep Date:**	09/18/19	**Prep Batch:**	1116722
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442501
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			97.0	
DCBP (S)			96.0	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3546_OCP	**Prep Date:**	09/18/19	**Prep Batch:**	1116724
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442531
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4'-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4'-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4'-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			92.6	
DCBP (S)			99.4	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
N-Nitrosodimethylamine	46.9	720	ND	
Phenol	43.8	288	ND	
Bis(2-chloroethyl)ether	13.3	144	ND	
2-Chlorophenol	47.7	288	ND	
1,3-Dichlorobenzene	13.1	144	ND	
1,4-Dichlorobenzene	14.6	144	ND	
Benzyl Alcohol	20.5	288	ND	
1,2-Dichlorobenzene	13.5	144	ND	
2-Methylphenol (o-Cresol)	29.3	288	ND	
N-Methyl-2-Pyrrolidone (NMP)	68.0	720	ND	
3-/4-Methylphenol (p-/m-Cresol)	31.3	288	ND	
N-nitroso-di-n-propylamine	13.2	144	ND	
Hexachloroethane	17.1	144	ND	
Nitrobenzene	12.8	144	ND	
Isophorone	12.2	144	ND	
2-Nitrophenol	25.4	288	ND	
2,4-Dimethylphenol	22.8	288	ND	
Benzoic Acid	41.7	288	ND	
Bis(2-Chloroethoxy)methane	9.79	144	ND	
Bis(2-chloroisopropyl)ether	12.6	144	ND	
2,4-Dichlorophenol	39.3	288	ND	
1,2,4-Trichlorobenzene	11.8	144	ND	
Naphthalene	10.6	144	ND	
2,6-Dichlorophenol	35.8	288	ND	
Hexachloro-1,3-butadiene	8.34	144	ND	
4-Chloro-3-methylphenol	33.8	288	ND	
2-Methylnaphthalene	10.4	144	ND	
1-Methylnaphthalene	12.2	144	ND	
Hexachlorocyclopentadiene	12.9	144	ND	
2,4,6-Trichlorophenol	35.9	288	ND	
2,4,5-Trichlorophenol	33.4	288	ND	
2-Chloronaphthalene	10.6	144	ND	
1,4-Dinitrobenzene	10.3	144	ND	
Dimethyl phthalate	14.2	720	ND	
1,3-Dinitrobenzene	10.4	144	ND	
Acenaphthylene	8.28	144	ND	
2,6-Dinitrotoluene	11.3	144	ND	
1,2-Dinitrobenzene	15.8	144	ND	
Acenaphthene	10.7	144	ND	
2,4-Dinitrophenol	77.6	720	ND	
4-Nitrophenol	54.7	720	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dibenzofuran	11.2	144	ND	
2,4-Dinitrotoluene	12.1	144	ND	
2,3,5,6-Tetrachlorophenol	27.6	288	ND	
2,3,4,6-Tetrachlorophenol	31.5	288	ND	
Diethylphthalate	13.6	720	ND	
Fluorene	10.3	144	ND	
4-Chlorophenyl-phenylether	9.32	144	ND	
4,6-Dinitro-2-methylphenol	13.4	288	ND	
Diphenylamine	13.0	144	ND	
Azobenzene	114	144	ND	
4-Bromophenyl-phenylether	8.23	144	ND	
Hexachlorobenzene	8.66	144	ND	
Pentachlorophenol	25.0	288	ND	
Phenanthrene	9.32	144	ND	
Anthracene	8.91	144	ND	
Carbazole	10.7	144	ND	
Di-n-butylphthalate	13.5	144	ND	
Fluoranthene	10.0	144	ND	
Benzidine	147	144	ND	
Pyrene	12.0	144	ND	
Butylbenzylphthalate	21.0	720	ND	
Benzo(a)anthracene	9.80	144	ND	
3,3-Dichlorobenzidine	118	144	ND	
Chrysene	15.2	144	ND	
Bis(2-Ethylhexyl)phthalate	15.3	720	ND	
Di-n-Octylphthalate	12.3	144	ND	
Benzo(b)fluorathene	12.0	144	ND	
benzo(k)fluorathene	8.16	144	ND	
Benzo(a)pyrene	9.80	144	ND	
Indeno(1,2,3-c,d)pyrene	13.8	144	ND	
Dibenzo(a,h)anthracene	12.7	144	ND	
Benzo(g,h,i)perylene	12.7	144	ND	
Pyridine	43.8	720	ND	
2-Fluorophenol (S)			58.5	
Phenol-d6 (S)			54.5	
2,4,6-Tribromophenol (S)			62.2	
2-Fluorobiphenyl (S)			55.9	
Nitrobenzene-d5 (S)			53.8	
Terphenyl-d14 (S)			75.5	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	7471BP	**Prep Date:**	09/19/19	**Prep Batch:**	1116735
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442555
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116736
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442549
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.11	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.17	
Molybdenum	0.050	5.00	ND	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	0.56	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	4.5	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	1.6	
1,2,4-Trichlorobenzene	1.5	10	1.8	
Naphthalene	1.7	10	2.5	
1,2,3-Trichlorobenzene	1.7	10	2.3	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	ND	
(S) Dibromofluoromethane			98.8	
(S) Toluene-d8			96.7	
(S) 4-Bromofluorobenzene			96.5	

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116745
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			93.4	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116747
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442550
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.082	
Lead	0.10	1.30	0.17	
Nickel	0.50	5.00	ND	
Zinc	0.30	5.00	ND	

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116784
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	52	J
(S) 4-Bromofluorobenzene			97.2	

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/22/19	**Prep Batch:**	1116831
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442591
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	0.043	0.10	0.063	
(S) 4-Bromofluorobenzene			94.0	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/19/19	**Prep Batch:**	1116857
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442617
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		

MB Summary Report

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/19/19	**Prep Batch:**	1116857
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442617
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	3.1	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	3.6	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	ND	
4-Methyl-2-Pentanone	2.0	10	ND	
(S) Dibromofluoromethane			109	
(S) Toluene-d8			94.2	
(S) 4-Bromofluorobenzene			88.3	

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116858
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442617
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			121	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	1311/3010B	**Prep Date:**	10/01/19	**Prep Batch:**	1117040
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/1/2019	**Analytical Batch:**	442807
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic (TCLP)	0.40	0.20	ND	
Chromium (TCLP)	0.010	0.20	0.012	
Lead (TCLP)	0.050	0.20	ND	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/02/19	**Prep Batch:**	1117081
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/2/2019	**Analytical Batch:**	442823
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic (STLC)	0.40	0.20	ND	
Chromium (STLC)	0.010	0.20	0.043	
Lead (STLC)	0.050	0.20	ND	

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	10/09/19	**Prep Batch:**	1117267
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/10/2019	**Analytical Batch:**	443010
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic	0.15	1.30	ND	
Lead	0.10	1.30	0.13	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/11/19	**Prep Batch:**	1117333
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/11/2019	**Analytical Batch:**	443065
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.033	
Lead (STLC)	0.050	0.20	0.050	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	10/11/19	**Prep Batch:**	1117353
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/13/2019	**Analytical Batch:**	443080
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.10	1.30	0.34	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/18/19	**Prep Batch:**	1117509
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/18/2019	**Analytical Batch:**	443220
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (STLC)	0.050	0.20	0.066	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	3546_PCB	**Prep Date:**	09/17/19	**Prep Batch:**	1116695
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/17/2019	**Analytical Batch:**	442494
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	92.3	84.5	8.86	25 - 145	30	
Aroclor1260	36	100	ND	600	60.8	55.8	8.57	30 - 145	30	
TCMX (S)				0.10	95.0	93.0		48 - 125		
DCBP (S)				0.10	92.0	83.0		48 - 135		

Work Order:	1909151	**Prep Method:**	3546_TPH	**Prep Date:**	09/18/19	**Prep Batch:**	1116712
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442542
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	1.08	25.0	79.6	86.7	8.65	52 - 115	30	
Pentacosane (S)				200	85.6	88.8		59 - 129		

Work Order:	1909151	**Prep Method:**	3546_PCB	**Prep Date:**	09/18/19	**Prep Batch:**	1116722
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442501
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	120	115	3.98	25 - 145	30	
Aroclor1260	36	100	ND	600	112	111	0.894	30 - 145	30	
TCMX (S)				0.10	110	114		48 - 125		
DCBP (S)				0.10	107	106		48 - 135		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	3546_OCP	**Prep Date:**	09/18/19	**Prep Batch:**	1116724
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442531
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	91.9	98.1	6.32	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	94.1	101	6.93	40 - 130	30	
Aldrin	0.20	2.0	ND	40	91.1	97.2	6.64	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	88.8	94.5	6.28	60 - 130	30	
Endrin	0.19	2.0	ND	40	93.4	99.9	6.72	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	96.2	103	6.53	45 - 140	30	
TCMX (S)				100	90.5	101		48 - 125		
DCBP (S)				100	102	110		38 - 135		

Work Order:	1909151	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	51.2	52.6	2.65	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	51.9	53.7	3.31	45 - 105	30	
Bis(2-chloroethyl)ether	14.6	144	ND	800	50.1	51.9	3.43	35 - 105	30	
N-nitroso-di-n-propylamine	183	144	ND	1600	59.7	62.2	4.10	40 - 115	30	
1,2,4-Trichlorobenzene	164	144	ND	800	50.2	49.3	1.51	45 - 110	30	
4-Chloro-3-methylphenol	469	288	ND	1600	52.9	54.8	3.48	45 - 110	30	
Acenaphthene	148	144	ND	800	56.8	59.2	3.88	45 - 110	30	
4-Nitrophenol	760	720	ND	1600	66.6	66.0	0.939	15 - 140	30	
2,4-Dinitrotoluene	168	144	ND	800	61.7	68.0	9.63	50 - 115	30	
N-Methyl-2-Pyrrolidone (NMP)	129	144	ND	1600	51.9	54.0	3.90	25 - 120	30	
Pyrene	166	144		800	64.6	68.4	5.64	45 - 145	30	
2-Fluorophenol (S)				22200	56.1	58.6		25 - 121		
Phenol-d6 (S)				22200	56.5	59.0		24 - 113		
2,4,6-Tribromophenol (S)				22200	65.6	69.7		19 - 122		
2-Fluorobiphenyl (S)				11100	56.1	60.6		30 - 143		
Nitrobenzene-d5 (S)				11100	52.8	54.1		23 - 120		
Terphenyl-d14 (S)				11100	64.1	67.7		18 - 137		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	7471BP	**Prep Date:**	09/19/19	**Prep Batch:**	1116735
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442555
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	87.5	87.7	0.913	80 - 120	30	

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116736
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442549
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	103	83.2	21.3	80 - 120	30	
Arsenic	0.15	1.30	ND	50	102	81.9	21.7	80 - 120	30	
Barium	0.055	5.00	ND	50	113	91.3	21.1	80 - 120	30	
Beryllium	0.055	5.00	ND	50	110	87.6	22.7	80 - 120	30	
Cadmium	0.10	5.00	ND	50	108	84.6	24.3	80 - 120	30	
Chromium	0.075	5.00	0.11	50	112	89.0	22.9	80 - 120	30	
Cobalt	0.070	5.00	ND	50	110	87.6	22.7	80 - 120	30	
Copper	0.20	5.00	ND	50	117	96.6	19.1	80 - 120	30	
Lead	0.10	3.00	0.17	50	108	85.2	23.6	80 - 120	30	
Molybdenum	0.050	5.00	ND	50	115	92.3	21.8	80 - 120	30	
Nickel	0.50	5.00	ND	50	110	87.5	22.7	80 - 120	30	
Selenium	0.22	5.00	ND	50	89.3	97.4	22.9	80 - 120	30	
Silver	0.15	5.00	ND	50	107	86.7	20.8	80 - 120	30	
Thallium	0.20	5.00	ND	50	107	86.2	21.5	80 - 120	30	
Vanadium	0.10	5.00	ND	50	113	90.5	22.0	80 - 120	30	
Zinc	0.30	5.00	0.56	50	103	80.7	24.2	80 - 120	30	

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/18/19	**Prep Batch:**	1116744
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	102	109	6.81	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	102	112	9.13	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	104	112	7.59	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	102	110	7.16	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	100	107	6.55	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	115	122		59.8 - 148		
(S) Toluene-d8				50.0	116	117		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	111	113		55.8 - 141		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/18/19	**Prep Batch:**	1116745
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/18/2019	**Analytical Batch:**	442522
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	95.3	86.9	9.22	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	90.2	87.0		43.9 - 127		

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116747
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442550
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Cadmium	0.10	5.00	ND	50	92.4	92.8	0.432	80 - 120	30	
Chromium	0.075	5.00	0.082	50	97.5	97.2	0.411	80 - 120	30	
Lead	0.10	3.00	0.17	50	93.1	95.2	2.12	80 - 120	30	
Nickel	0.50	5.00	ND	50	95.9	95.8	0.209	80 - 120	30	
Zinc	0.30	5.00	ND	50	88.9	88.2	0.903	80 - 120	30	

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116784
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	52	1000	107	91.5	15.6	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	103	93.0		43.9 - 127		

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/22/19	**Prep Batch:**	1116831
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442591
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	0.043	0.10	0.063	1	93.5	88.6	5.38	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	96.3	89.8		43.9 - 127		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	5035	**Prep Date:**	09/19/19	**Prep Batch:**	1116857
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442617
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	90.9	97.5	7.22	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	104	113	8.65	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	92.2	98.4	6.51	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	99.1	103	4.15	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	94.4	98.8	4.55	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	109	116		59.8 - 148		
(S) Toluene-d8				50.0	102	100		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	97.9	103		55.8 - 141		

Work Order:	1909151	**Prep Method:**	5035GRO	**Prep Date:**	09/19/19	**Prep Batch:**	1116858
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442617
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	102	95.2	6.90	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	120	99.8		43.9 - 127		

Work Order:	1909151	**Prep Method:**	1311/3010B	**Prep Date:**	10/01/19	**Prep Batch:**	1117040
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/1/2019	**Analytical Batch:**	442807
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic (TCLP)	0.20	0.40	ND	10	98.5	97.9	0.611	80 - 120	20	
Chromium (TCLP)	0.010	0.20	0.012	10	96.9	96.6	0.310	80 - 120	20	
Lead (TCLP)	0.050	0.20	ND	10	96.8	95.7	1.14	80 - 120	20	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/02/19	**Prep Batch:**	1117081
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/2/2019	**Analytical Batch:**	442823
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic (STLC)	0.20	0.40	ND	10	102	105	2.90	80 - 120	20	
Chromium (STLC)	0.010	0.20	0.043	10	90.8	92.8	2.18	80 - 120	20	
Lead (STLC)	0.050	0.20	ND	10	93.9	95.6	1.79	80 - 120	20	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	10/09/19	**Prep Batch:**	1117267
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/10/2019	**Analytical Batch:**	443010
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	ND	50	93.0	106	13.1	80 - 120	30	
Lead	0.10	3.00	0.13	50	96.1	108	11.6	80 - 120	30	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/11/19	**Prep Batch:**	1117333
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/11/2019	**Analytical Batch:**	443065
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.033	10	91.0	91.6	0.657	80 - 120	20	
Lead (STLC)	0.050	0.20	0.050	10	95.0	95.2	0.210	80 - 120	20	

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	10/11/19	**Prep Batch:**	1117353
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/13/2019	**Analytical Batch:**	443080
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	0.34	50	95.7	89.7	6.47	80 - 120	30	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/18/19	**Prep Batch:**	1117509
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/18/2019	**Analytical Batch:**	443220
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.050	0.20	0.066	10	93.6	96.8	3.36	80 - 120	20	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	3546_TPH	**Prep Date:**	09/18/19	**Prep Batch:**	1116712
Matrix:	**Soil**	**Analytical Method:**	SW8015B	**Analyzed Date:**	9/20/2019	**Analytical Batch:**	442542
Spiked Sample:	1909151-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.850	2.00	3.57	25.0	53.5	59.7	8.45	52 - 115	30	
Pentacosane (S)				200	70.5	71.9		59 - 129		

Work Order:	1909151	**Prep Method:**	3546_OCP	**Prep Date:**	09/18/19	**Prep Batch:**	1116724
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442574
Spiked Sample:	1909151-015A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	83.2	79.3	4.92	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	73.0	79.8	8.84	40 - 130	30	
Aldrin	0.195	2.00	ND	40	89.0	80.8	9.72	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	84.3	77.9	7.70	60 - 130	30	
Endrin	0.188	2.00	ND	40	73.3	79.1	7.55	55 - 135	30	
4,4'-DDT	0.129	2.00	ND	40	87.5	81.4	7.10	45 - 140	30	
TCMX (S)				100	88.2	81.6		48 - 125		
DCBP (S)				100	94.9	87.9		38 - 135		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	3546_BNA	**Prep Date:**	09/18/19	**Prep Batch:**	1116732
Matrix:	**Soil**	**Analytical Method:**	SW8270C	**Analyzed Date:**	9/22/2019	**Analytical Batch:**	442584
Spiked Sample:	1909151-002A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	45.3	47.4	4.40	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	46.9	51.0	8.30	45 - 105	30	
1,4-Dichlorobenzene	14.6	144	ND	800	43.3	43.6	0.576	35 - 105	30	
N-nitroso-di-n-propylamine	13.2	144	ND	1600	49.4	46.3	6.40	40 - 115	30	
1,2,4-Trichlorobenzene	11.8	144	ND	800	43.9	52.6	18.1	45 - 110	30	S
4-Chloro-3-methylphenol	33.8	288	ND	1600	44.9	50.5	11.8	45 - 110	30	S
Acenaphthene	10.7	0.000	0	800	48.8	47.1	3.66	45 - 110	30	
4-Nitrophenol	54.7	720	ND	1600	50.1	47.5	5.25	15 - 140	30	
2,4-Dinitrotoluene	12.1	144	ND	800	54.8	61.4	11.4	50 - 115	30	
Pentachlorophenol	9.32	144	ND	1600	42.0	41.9	0.298	25 - 120	30	
Pyrene	12.0	144	ND	800	61.0	58.4	4.37	45 - 145	30	
2-Fluorophenol (S)				22200	54.1	59.0		25 - 121		
Phenol-d6 (S)				22200	52.2	55.4		24 - 113		
2,4,6-Tribromophenol (S)				22200	60.2	62.8		19 - 122		
2-Fluorobiphenyl (S)				11100	48.9	46.8		30 - 143		
Nitrobenzene-d5 (S)				11100	46.6	54.9		23 - 120		
Terphenyl-d14 (S)				11100	62.8	58.8		18 - 137		

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	09/19/19	**Prep Batch:**	1116747
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	9/19/2019	**Analytical Batch:**	442550
Spiked Sample:	1909151-009A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Cadmium	0.10	0.25	1.00	50	100	117	15.4	75 - 125	30	
Chromium	0.045	0.25	55.0	50	126	170	17.1	75 - 125	30	S
Lead	0.20	0.50	1200	50	0	0	20.3	75 - 125	30	NR
Nickel	0.10	0.25	48.0	50	121	158	15.3	75 - 125	30	S
Zinc	0.10	0.25	330	50	0	0	16.6	75 - 125	30	NR

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1909151	**Prep Method:**	1311/3010B	**Prep Date:**	10/01/19	**Prep Batch:**	1117040
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/01/2019	**Analytical Batch:**	442807
Spiked Sample:	1909151-012A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (TCLP)	0.0100	0.200	ND	10	97.1	96.6	0.516	75 - 125	20	

Work Order:	1909151	**Prep Method:**	WET/3010B	**Prep Date:**	10/18/19	**Prep Batch:**	1117509
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/18/2019	**Analytical Batch:**	443220
Spiked Sample:	1909151-011A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.200	0.900	10	82.8	90.2	7.75	75 - 125	20	

Duplicate QC Summary Report

Work Order:	1909151	**Prep Method:**	3050B	**Prep Date:**	10/11/2019	**Prep Batch:**	1117353
Matrix:		**Analytical Method:**	SW6010B	**Analyzed Date:**	10/13/19	**Analytical Batch:**	443080
Units:						**Lab Sample ID:**	1909151-011A-DUP-1117353

Parameters	MDL	PQL	Sample Result	Duplicate Result	% RPD	
Lead	0.10	3.00	65.0	81.0	21.90	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Langan

Project Name: DTSM Drilling

Work Order No.: 1909151

Date and Time Received: 9/17/2019 1:30:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	No	Temperature:	11.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

CoC e-mailed by client

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/18/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909151***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909151-001A	EB-2-0.5	09/13/19 11:22	Soil	03/11/20			PCBs_S_8082A VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Pest_S_8081OCP	Yes
1909151-002A	EB-2-1.5	09/13/19 11:23	Soil	03/11/20			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Met_S_6010B CAM17	
1909151-003A	EB-2-3.0	09/13/19 11:24	Soil	03/11/20			Hold Samples	
1909151-004A	EB-2-5.0	09/13/19 11:27	Soil	03/11/20			Hold Samples	
1909151-005A	EB-3-0.5	09/13/19 11:32	Soil	03/11/20			SVO_S_8270CFull VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	
1909151-006A	EB-3-1.5	09/13/19 11:33	Soil	03/11/20			Hold Samples	
1909151-007A	EB-3-3.0	09/13/19 11:34	Soil	03/11/20			Hg_S_7471B Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Met_S_6010B CAM17	

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/18/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909151***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909151-008A	EB-3-5.0	09/13/19 11:36	Soil	03/11/20			Hold Samples	
1909151-009A	EB-4-0.5	09/13/19 11:40	Soil	03/11/20			TPHDO_S_8015(Mod) Met_S_CAM17TCLP Met_S_CAM17STLC Met_S_LUFT 5 VOC_S_GRO	
1909151-010A	EB-4-1.5	09/13/19 11:41	Soil	03/11/20			Hold Samples Met_S_CAM17STLC STLC Metals Extract Met_S_AsPb	
1909151-011A	EB-4-3.0	09/13/19 11:42	Soil	03/11/20			Hold Samples Met_S_CAM17STLC Met_S_AsPb	
1909151-012A	EB-4-5.0	09/13/19 11:45	Soil	03/11/20			Met_S_LUFT 5 Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO TPHDO_S_8015(Mod)	
1909151-013A	EB-8-0.5	09/13/19 10:22	Soil	03/11/20			Hg_S_7471B Sub_Asb CARB435 A VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Met_S_6010B CAM17	Yes
1909151-014A	EB-8-1.5	09/13/19 10:23	Soil	03/11/20			Hold Samples	
1909151-015A	EB-8-3.0	09/13/19 10:24	Soil	03/11/20				

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/18/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909151***

WO Sample ID	Client Sample ID	Collection Date/Time		Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
								PCBs_S_8082A Met_S_CAM17STLC Met_S_LUFT 5 VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Pest_S_8081OCP	
1909151-016A	EB-8-5.0	09/13/19	10:26	Soil	03/11/20			Hold Samples	
1909151-017A	EB-10-0.5	09/12/19	8:40	Soil	03/10/20			Hold Samples	
1909151-018A	EB-10-1.5	09/12/19	8:42	Soil	03/10/20			PCBs_S_8082A Met_S_CAM17STLC Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Pest_S_8081OCP	
1909151-019A	EB-10-3.0	09/12/19	8:43	Soil	03/10/20			Met_S_LUFT 5 Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Pest_S_8081OCP PCBs_S_8082A	
1909151-020A	EB-10-5.0	09/12/19	8:46	Soil	03/10/20			Hold Samples	

Login Summary Report

Client ID: TL5493 Langan
Project Name: DTSM Drilling
Project # : 770654001
Report Due Date: 10/18/2019

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/17/2019
Time Received: 1:30 pm

Comments:

Work Order # : ***1909151***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1909151-021A	EB-13-0.5	09/12/19 8:21	Soil	03/10/20			TPHDO_S_8015(Mod) Met_S_CAM17STLC Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO	
1909151-022A	EB-13-1.5	09/12/19 8:22	Soil	03/10/20			Hold Samples	
1909151-023A	EB-13-3.0	09/12/19 8:23	Soil	03/10/20			Met_S_LUFT 5 Met_S_CAM17STLC VOC_S_GRO TPHDO_S_8015(Mod)	
1909151-024A	EB-13-5.0	09/12/19 8:26	Soil	03/10/20			Hold Samples	
1909151-025A	EB-14-0.5	09/13/19 11:05	Soil	03/11/20			Hold Samples	
1909151-026A	EB-14-1.5	09/13/19 11:06	Soil	03/11/20			Met_S_LUFT 5 Met_S_CAM17STLC Pest_S_8081OCP PCBs_S_8082A VOC_S_GRO TPHDO_S_8015(Mod)	
1909151-027A	EB-14-3.0	09/13/19 11:07	Soil	03/11/20			Hold Samples	
1909151-028A	EB-14-5.0	09/13/19 11:09	Soil	03/11/20			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull	

Login Summary Report

Client ID:	TL5493	Langan	**QC Level:**	II
Project Name:	DTSM Drilling		**TAT Requested:**	5+ day:5
Project # :	770654001		**Date Received:**	9/17/2019
Report Due Date:	10/18/2019		**Time Received:**	1:30 pm

Comments:

Work Order # : ***1909151***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Sub_Asb CARB435 A Met_S_6010B CAM17	Yes
1909151-029A	EB-7-0.5	09/13/19	Soil	03/11/20				
							Hold Samples	
1909151-030A	EB-7-1.5	09/13/19	Soil	03/11/20				
							VOC_S_GRO TPHDO_S_8015(Mod) Pest_S_8081OCP PCBs_S_8082A	
1909151-031A	EB-7-3	09/13/19	Soil	03/11/20				
							Hold Samples	
1909151-032A	EB-7-5	09/13/19	Soil	03/11/20				
							TPHDO_S_8015(Mod) Hg_S_7471B Met_S_6010B CAM17 VOC_S_GRO Met_S_CAM17STLC	

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12328

LANGAN

CHAIN OF CUSTODY RECORD

1909151

Page 3 of 4

555 Montgomery Street, Suite 1300, San Francisco, CA 94111
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: DTSM Drilling
Job Number: 770654001
Project Manager\Contact: Mukta Patil and Peter Cusack
Samplers: MF
Recorder (Signature Required):

Turnaround Time: STD

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice			Analysis Requested: CAM-17	TPH(g,d,mo)	VOCs	SVOCs	OCPs/PCBs	LUFT 5 Metals	CARB 435								Silica gel clean-up	Hold	Remarks
-001A	EB-2-0.5	9/13/19	1122		X											X	X	X		X										
-002A	EB-2-1.5		1123		X										X	X	X	X												
-003A	EB-2-3.0		1124		X																								X	
-004A	EB-2-5.0		1127		X																								X	
-005A	EB-3-0.5		1132		X											X	X	X												
-006A	EB-3-1.5		1133		X																								X	
-007A	EB-3-3.0		1134		X										X	X	X	X												
-008A	EB-3-5.0		1136		X																								X	
-009A	EB-4-0.5		1140		X											X				X										
-010A	EB-4-1.5		1141		X																								X	
-011A	EB-4-3.0		1142		X																								X	
-012A	EB-4-5.0		1145		X											X				X									X	→ Do not hold.
-013A	EB-8-0.5		1022		X										X	X	X	X		X										
-014A	EB-8-1.5	↓	1023		X																								X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
*COC received via email 9/17/19			FedEx (courier)		
FedEx (courier)			Torrentlab	9/17/19	1330

Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☒ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

FedEx City Temp=11°C #2

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Torrent LABORATORY, INC.

12329

LANGAN

CHAIN OF CUSTODY RECORD

190915

☒ 555 Montgomery Street, Suite 1300, San Francisco, CA 94111
☐ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☒ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: DTSM Drilling
Job Number: 770654001
Project Manager\Contact: Mukta Patil and Peter Cusack
Samplers: MF
Recorder (Signature Required): [signature]

Turnaround Time: STD

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: CAM-17	TPH(g,d,mo)	VOCs	SVOCs	OCPs/PCBs	LUFT 5 Metals	CARB 435	Silica gel clean-up	Hold	Remarks
-015A	EB-8-3.0	9/13/19	1024		X									X	X	X	X	X				
-016A	EB-8-5.0	9/13/19	1026		X																X	
-017A	EB-10-0.5	9/12/19	0840		X																X	
-018A	EB-10-1.5		0842		X								X	X	X	X	X					
-019A	EB-10-3.0		0843		X									X	X	X	X	X				
-020A	EB-10-5.0		0846		X																X	
-021A	EB-13-0.5		0821		X								X	X								
-022A	EB-13-1.5		0822		X																X	
-023A	EB-13-3.0		0823		X									X				X				
-024A	EB-13-5.0	↓	0826		X																X	
-025A	EB-14-0.5	9/13/19	1105		X																X	
-026A	EB-14-1.5	|	1106		X									X			X	X				
-027A	EB-14-3.0	|	1107		X																X	
-028A	EB-14-5.0	↓	1109		X								X	X	X	X		X				

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
* COC received via email 9/17/19			FedEx (courier)		
FedEx (courier)			[signature] / TorrentLab	9/17/19	1330

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☒ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

FedEx City Temp = 11° C #2

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1909151 **Serial #:** CO19-0549 **Print Date:** 9/18/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mari Fromstein

	Requested Date	Requested Time	Extended Price
Samples 029-32 not on CoC; Analyze 030 for TPH g/d/mo/OCPs/PCBs; analyze 032 for TPH g/d/mo & CAM17; 029/31 on hold. STD TAT	9/18/2019	2:20:00PM	

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Change Order

Work Order: 1909151 **Serial #:** CO19-0563 **Print Date:** 9/27/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
STLC Cr for 007/009/012/015/018/019/021/023/026/028/032; TCLP Cr for 012/019/028; STLC & TCLP Pb for 009; STD TAT (3 days + 2)	9/27/2019	10:00:00AM	

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Change Order

Work Order: 1909151 **Serial #:** CO19-0590 **Print Date:** 10/8/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
Samples Off Hold--analyze 010 for Pb plus STLC extract and hold; 2 day TAT	10/8/2019	4:40:00PM	

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Change Order

Work Order: 1909151 **Serial #:** CO19-0600 **Print Date:** 10/10/2019

Project Name: DTSM Drilling

Client: Langan **Requested By:** Mukta Patil

	Requested Date	Requested Time	Extended Price
STLC Pb for 0010; Pb for 011; 1 day rush (due 10/14)	10/10/2019	6:30:00PM	

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EMSL Analytical, Inc.
464 McCormick Street San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
http://www.EMSL.com / sanleandrolab@emsl.com

EMSL Order: 091921976
Customer ID: TORR80
Customer PO: 1909151
Project ID:

Attention: Kathie Evans
Torrent Laboratory, Inc.
483 Sinclair Frontage Rd.
Milpitas, CA 95035

Project: 1909151

Phone: (408) 263-5258
Fax: (408) 263-8293
Received: 09/19/2019 8:30 AM
Analysis Date: 09/24/2019
Collected:

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1909151-001A *091921976-0001*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909151-013A *091921976-0002*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1909151-028A *091921976-0003*	SOIL	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Analyst(s)

Adam C. Fink (3)

Matthew Batongbacal
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations . Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 09/24/2019 21:31:44