1633 26th Street Project

Draft Environmental Impact Report

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Volume III Appendices

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Prepared for:

City of Santa Monica
Planning and Community Development Department
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Appendix G
Hazards and Hazardous Materials Reports

G.2. Supplemental Subsurface Investigation

Supplemental Subsurface Investigation Report

1633 26th Street
Santa Monica, California
Contract No. MSA-KIL-002; Task Order No. 046

Prepared for:
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Prepared By:
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May 26, 2020
Project No. 100952006

ARDENT
ENVIRONMENTAL GROUP, INC.

May 26, 2020
Project No. 100952006

Jacqueline H Hartis, Esq.
McRoberts & Hartis, P.C.
4520 Main Street, 7th Floor
Kansas City, Missouri 64111

Subject: Supplemental Subsurface Investigation Report
1633 26th Street
Santa Monica, California
Contract Number: MSA-KIL-002; Task Order No. 046

Dear Ms. Hartis:

Ardent Environmental Group, Inc. has completed an additional supplemental subsurface investigation at the property located at 1633 26th Street in the City of Santa Monica, California (Site). The supplemental subsurface investigation was performed for McRoberts & Hartis, P.C. in general accordance with the above-referenced contract.

We appreciate this opportunity to be of service to you.

Sincerely,
Ardent Environmental Group, Inc.

Craig A. Metheny, C.A.C.
Principal Geologist

Paul A. Roberts, P.G.
Principal Geologist

CM/PAR/aw

Distribution: (1) Addressee (electronic copy)
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TABLE OF CONTENTS

Tables

Figures

Appendices

EXECUTIVE SUMMARY

Ardent Environmental Group, Inc. (Ardent) has performed an additional supplemental subsurface investigation (SSI) at the property located at 1633 26th Street in the City of Santa Monica, California (Site; Figure 1). The SSI was conducted for McRoberts & Hartis, P.C. (Client) in general accordance with contract number MSA-KIL-002; Task Order No. 046 The Site consists of an approximately 2.01-acre rectangular-shaped property and contains one three-story office building and one outdoor parking lot (Figure 2). Kilroy Realty Finance Partnership, L.P. is proposing to redevelop a portion of the Site with two additional office buildings and a three-level underground parking structure (Figure 3). As part of the proposed redevelopment activities, soil excavation will take place through known impacted man-made fill discovered during previous subsurface investigations at the Site. In order to further assess the presence, horizontal, and vertical extent of potential contaminants within the fill material, Ardent completed this SSI which included advancing nine additional soil borings throughout the proposed area of redevelopment.

The following presents a summary of the findings and conclusions of the SSI:

- Subsurface lithology beneath the Site consists of man-made fill and native alluvium. Undocumented fill material is present beneath the northeast and east potions of the Site, generally beneath the parking lot area. The fill material consists of clayey silt and silty clay with small pieces of man-made material (brick, wood, metal, and concrete). The fill material is composed primarily of soil, with much lesser amounts of man-made materials. Although the fill material contains man-made materials, the fill material does not appear to be typical of municipal waste that would be observed in a municipal landfill. The base of the fill material is shallow or non-existent in the northwest, west, and southwest parts of the Site and slopes downward toward the northeast and east. The upper fill material, above 8 feet, is moderate olive brown. The lower fill material, below 8 feet, is generally dark colored with a slight petroleum odor. Native alluvium is below and to the west and southwest of the fill material. The native alluvium is moderate olive brown in color and primarily consisted of silty clay with some lesser layers of silt and sand. Staining or petroleum odors were not observed in the native alluvium.
- Petroleum hydrocarbons have been sporadically detected in soil samples collected from the fill material. The petroleum hydrocarbons detected appear to be distributed randomly throughout the fill material and will be encountered during future excavation activities. The petroleum hydrocarbon detected in the fill is determined to not to be a refined product and is likely weathered crude oil mixed with the fill. State waste disposal regulations allow for certain concentrations of petroleum hydrocarbons to be present in soil used as landfill cover at Class III landfills. Each landfill has unique criteria and waste profile criteria for petroleum hydrocarbons will vary depending on the waste receiving facility. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on petroleum hydrocarbon concentrations. However, the non-hazardous soil within the fill material that contains some concentrations of petroleum hydrocarbons is likely acceptable for use as landfill cover in some Los Angeles area Class III landfills. Another disposal option for the non-

hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.

- With one minor exception (at B12-20), polychlorinated biphenyls do not appear to be present or associated with the petroleum hydrocarbons detected within the fill material.
- Low concentrations of select aromatic and chlorinated volatile organic compounds (VOCs) have been very sporadically detected in the fill material. The aromatic VOCs are likely derived from the petroleum hydrocarbons within the fill material. The concentrations of aromatic VOCs are below applicable regulatory screening levels and are not of significant concern. The concentrations of chlorinated VOCs were well below the State and Federal screening levels for the protection of human health, with the exception vinyl chloride detected in two samples. The vinyl chloride detected in samples B4-24 and B9-30 only slightly exceeded the health based regulatory screening values and would not likely present a potential human health risk to future workers. The acceptable concentrations of VOCs in waste soil varies depending on disposal facility permits and requirements. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on VOC concentrations. However, the non-hazardous soil within the fill material that contains some low concentrations of VOCs is likely acceptable for use as landfill cover in some Los Angeles area Class III landfills. Another disposal option for the non-hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.
- Select metals including copper, lead, and zinc were detected at elevated concentrations which exceed the California hazardous waste threshold limits established in Title 22 CCR or human health screening levels. The majority of the samples which exceeded the regulatory disposal criteria contained elevated concentrations of lead. Lead was detected exceeding the total threshold limit concentration (TTLC) and/or the soluble threshold limit concentration (STLC) California hazardous waste criteria in 28 samples collected from within the fill material. Toxicity characteristic leaching potential (TCLP) analytical results were below the Federal level for soluble lead in all the samples analyzed. If excavated select zones of soil within the fill material would be considered a California hazardous waste based on total or soluble concentrations of lead, zinc, or copper, but not a Federal hazardous waste. These soils will require special handling and disposal and should be properly profiled by a licensed disposal contractor for acceptance at a licensed landfill prior to the beginning of excavation activities.
- Based on the results of this SSI and previous investigations completed at the Site, Ardent concludes that the horizontal and vertical extent of petroleum hydrocarbon, PCBs, metals, and VOCs in the man-made fill within the proposed area of excavation have been fully assessed and characterized.
- Based on the depth ranges and aerial extent of soil that would be classified as California hazardous waste across the site, the estimated volume of soil that would be classified as California hazardous waste if excavated is 27,671 cubic yards.

Based on the results and conclusions of this SSI and previous investigations, Ardent recommends that this report be provided to a California licensed disposal contractor, disposal facility, or landfill prior to the beginning of excavation activities in order to profile the soil for proper transportation and disposal.

INTRODUCTION

Ardent Environmental Group, Inc. (Ardent) performed an additional supplemental subsurface investigation (SSI) at the property located at 1633 26th Street in the City of Santa Monica, California (Site; Figure 1). The SSI was conducted for McRoberts & Hartis, P.C. (Client) in general accordance with contract number MSA-KIL-002; Task Order No. 046. The Kilroy Realty Finance Partnership, L.P. (Kilroy) is planning to redevelop a portion of the Site with two additional office buildings and a three-level underground parking structure. As part of the proposed redevelopment activities, soil excavation will take place through known man-made fill discovered during previous investigations at the Site as discussed in further detail below.

1 BACKGROUND

1.1 Location and Site Description

The Site is located at 1633 26th Street, Santa Monica, California (Figure 1). The Site is located on the northeast corner of 26th Street and Pennsylvania Avenue approximately two miles northeast of downtown Santa Monica. The Site consists of an approximately 2.01-acre rectangular-shaped property, and currently contains one three-story office building and an associated parking lot (Figure 2).

1.2 Previous Investigations

Based on the results of a Phase I Environmental Site Assessment (ESA) performed by Ardent (Ardent, 2017a) and a Phase I ESA by BA Environmental (BAE) in November 2017, the Site was used from at least 1928 to the late 1940s as a storage area for bricks associated with an adjacent brick manufacturer to the east. During this time, the area immediately east of the Site was an open pit clay mine. The clay was used in the brick manufacturing. During the late 1940s and early 1950s, the clay pit was expanded to the west, beneath the eastern portion of the Site (generally below the current parking lot). During the 1960s the pit was filled with undocumented fill material. The Site was developed with the current improvements in approximately 1973.

Several previous subsurface investigations have been completed at the Site, including two subsurface investigations completed by Ardent and BAE in 2017 (Ardent 2017b; BAE, 2017). These previous investigations were completed to assess the presence, and extent of potential contaminants in fill material beneath the Site. The previous subsurface investigations included the advancement of 18 soil borings (Figure 2) throughout the Site to depths ranging from approximately 20 to 60 feet below ground surface (bgs). Select borings were used for the collection and analysis of soil, soil gas, and groundwater samples (Figure 2). Based on the results of these investigations, it was discovered that the northern and eastern portions of the property were underlain by man-made fill used to fill the former on-Site open pit clay mine. The man-made fill consisted of clayey silt and silty clay with pieces of man-made materials (brick, glass, concrete, wood, and metal). Based on the type of materials encountered in the man-made fill, Ardent determined that the fill was not typical municipal wastes such as that found in a municipal landfill.

Based on the results of these subsurface investigations, the man-made fill materials appeared to continue to a maximum depth of 41 feet bgs beneath the Site, deepening from the west toward the east (Ardent, 2017b). Analytical results for soil samples collected from the man-made fill materials during the previous investigations indicated elevated concentrations of select metals, primarily lead, and generally low concentrations of petroleum hydrocarbons and volatile organic compounds (VOCs). Ardent concluded that the concentrations of select metals detected in portions of the fill would likely be considered a California hazardous waste for disposal purposes if the fill material were to be excavated. The petroleum hydrocarbons detected in the fill were determined not to be a refined product and were most likely from weathered crude oil mixed with the fill. Based on the concentrations of petroleum hydrocarbons, metals, and VOCs detected in the fill, Ardent determined that the contaminants detected were likely present in the fill prior to being brought to the Site and not a result of on-Site activities.

The contaminants identified in the man-made fill materials were not detected in soil samples collected from native soil located outside the limits of the former clay pit. Groundwater was encountered during the previous investigations at depths of approximately 45 to 49 feet bgs. As stated above, Kilroy is planning to redevelop the north-eastern portion of the Site with two additional office buildings and a three-level underground parking structure (Figure 3). As part of the proposed redevelopment activities, a portion of the Site will need to be excavated to a total depth of approximately 33 feet bgs to accommodate the underground parking structure. Therefore, portions of the man-made fill beneath the Site will require excavation and disposal.

2 OBJECTIVES

The objectives of the SSI were to further assess the presence and extent of petroleum hydrocarbons, polychlorinated biphenyls (PCBs), VOCs, and metals in fill soil beneath the Site to the depth of the planned future excavation. And to further delineate discrete zones of waste soil classifications for excavation and disposal purposes.

3 PHYSICAL SETTING

The following sections include discussions of topographic, geologic, and hydrogeologic conditions in the vicinity of the Site.

3.1 Site Topography

Based on a review of the United State Geological Survey (USGS) Topographic Map, Beverly Hills, California Quadrangle, 2012, the Site has an approximate elevation of 160 feet above mean sea level (msl). The Site slopes gently downward to the southwest. No significant ridges, valleys or streams are located on or adjacent to the Site.

3.2 Geology

The Site is located near the boundary between the Peninsular Ranges and the Transverse Ranges Geomorphic Provinces on the Sawtelle Plain within the northwestern block of the greater Los Angeles Basin. The Sawtelle Plain is part of an alluvial apron originating from the Santa Monica Mountains to the north. Sediments comprising Recent and Pleistocene alluvial deposits in the Site vicinity are up to 200 feet thick and range in composition from clay to gravel. Thick sequences of older Lower Pleistocene and Tertiary marine sediments underlie the alluvial deposits.

3.3 Hydrogeology

The Site is located within the Coastal Hydrologic Area of the Los Angeles-San Gabriel Hydrologic Unit. Based on a reconnaissance of the Site and vicinity, and a review of the USGS Topographic Map, Beverly Hills, California Quadrangle, dated 2012, no natural surface water bodies are situated on or adjacent to the Site. Regional surface drainage in the Site vicinity is towards the southwest, towards Ballona Creek.

The Site is located within the Olympic Subbasin of the larger Santa Monica Basin, which is a component of the Coastal Los Angeles Basin. The Site is located west of the City of Santa Monica Olympic Well Field. The Olympic Well Field produces groundwater for public consumption from two wells located approximately 1,800 to 2,400 feet east of the Site. Groundwater investigations in the Site vicinity have characterized the shallower strata (<500 feet bgs) as the A-, B-, C-, and D-Zone aquifers, with intervening aquitards. The water supply wells in the Olympic Well Field are screened across the B-, C-, and D-Zone aquifers and groundwater flow direction in these aquifers is heavily influenced by pumping from the water supply wells (ICF, 2017).

In general, the Site is underlain by cohesive sediments (silts and clays) with subordinate lenses of water-bearing granular sediments (sands). Shallow groundwater beneath the Site occurs at depths of approximately 45 to 50 feet (bgs). The shallow groundwater beneath the Site correlates with the regional A-Zone aquifer. This semi-perched aquifer is underlain by a thick sequence of generally low-permeability silts and clays which correlates with the regional A/B-Zone aquitard (AMEC, 2008). Groundwater in the A-Zone aquifer flows towards the south-southwest (AMEC, 2012). Groundwater in the A-, B-, and C-Zone aquifers is known to be contaminated by dissolved phase VOCs from multiple regional sources (ICF, 2017).

4 SUPPLEMENTAL SUBSURFACE INVESTIGATION

The field sampling portion of the SSI was conducted on March 16 and 17, 2020. Work was conducted under the direction and oversight of Mr. Paul Roberts, a Professional Geologist from Ardent. Drilling services were provided by M&R Drill Co., a C-57 State-licensed drilling contractor.

4.1 Pre-Field Activities

Prior to conducting field work, Ardent pre-marked all boring locations and cleared the locations of subsurface utilities by notifying Underground Service Alert of Southern California at least 48 hours prior to onset of field work. Additionally, Ardent prepared a Site-specific health and safety plan for use by field personnel during drilling activities.

4.2 Soil Sampling and Analysis

On March 16 and 17, 2020, Ardent advanced nine soil borings (designated B17 through B25) in the parking lot area of the Site utilizing hollow-stem auger drilling methods. The boring locations were placed throughout the area underlain by man-made fill and the area to be excavated during the proposed redevelopment; the locations of the borings are shown in Figure 3. The boring locations were selected to provide additional information regarding the location of man-made fill material beneath the Site and the presence and distribution of contaminants within the fill and native soil beneath the Site within the proposed excavation area.

Each of the nine soil borings were advanced to depths of 35 feet bgs, slightly below the proposed redevelopment excavation depth of 33 feet. Soil samples were collected from each of the borings at depths of approximately five feet bgs and at five-foot depth intervals to the bottom of each boring. Soil samples were collected in accordance with the procedures provided in Appendix A. The borings were logged in the field in accordance with the United Soil Classification System. Logs of the borings are provided in Appendix B. Following collection of the soil samples, the soil borings were backfilled with hydrated bentonite and neat cement grout and the surface was patched with concrete.

The soil samples were submitted to Enviro-Chem, Inc. of Pomona, California for chemical analysis under chain-of-custody handling. Seven soil samples from each boring, from depths of 5 feet bgs through 35 feet bgs, were submitted to the laboratory for analysis. All of the soil samples submitted (63 samples) were analyzed for total petroleum hydrocarbon carbon chain analysis (TPHcc) VOCs, and Title 22 Metals in accordance with EPA Method Nos. 8015B, 8260B, and 6010/7000. Nine (9) select soil samples with the highest detected chromium concentrations were analyzed for hexavalent chromium by EPA Method No. 218.6. Nine soil samples, one from each boring, with the greatest concentration of TPH were analyzed for PCBs by EPA Method 8082. Select soil samples with metals concentrations greater than ten times the California soluble threshold limit concentration (STLC) were further analyzed for the individual metals by the California Waste Extraction (WET) method. Select soil samples with soluble metal concentrations that exceeded the STLC limits were further analyzed by the toxicity characteristic leaching procedure (TCLP) method. Soil sample analytical results are summarized in Table 1 for TPHcc, PCBs, and VOCs and Table 2 for metals and are discussed in Section 6. Comprehensive summaries of all analytical results for soil samples collected from all borings advanced at the Site to date are presented in Tables 3 and 4.

5 RESULTS

The results of field observations and chemical analysis of the soil samples are discussed in the following sections. Analytical results for soil samples from this SSI are summarized in Tables 1 and 2. Copies of the laboratory reports are presented in Appendix C. Sampling locations are shown in Figure 3.

5.1 Subsurface Conditions

Subsurface lithology observed in the borings consisted of man-made fill and native alluvium. The man-made fill consisted of clayey silt and silty clay with small pieces of man-made material (brick, wood, metal, and concrete). The lithology was similar to conditions encountered during the previous investigations by Ardent and BAE. The man-made fill was observed in all borings. The fill material is generally dark colored with a slight petroleum odor from a depth of about 8 feet to the base of the fill material. Above 8 feet, the fill material is moderate olive brown. The fill material is composed primarily of soil with much lesser amounts of man-made materials (brick, glass, concrete, wood, and metal). Although the fill material contains man-made materials, the fill material does not appear to be typical of municipal waste that would be observed in a municipal landfill. Such municipal landfill waste materials would be expected to contain more man-made material (trash), including paper, cloth, ceramics, plastics, etc.

Native alluvium was observed below the man-made fill material in the borings with the exception of borings B19, B21, B23, B24, and B25 which were terminated within the fill material. The native alluvium is moderate olive brown in color and primarily consisted of silty clay with some lesser layers of silt and sand. Figures 4 and 5 present the soil lithology encountered during this investigation and previous investigations through Cross Section A-A’ and Cross Section B-B’. Staining or petroleum odors were not observed in the native alluvium.

5.2 Soil Analytical Results

All soil samples collected from depths of 5 through 35 feet bgs in the 9 borings (63 samples) were analyzed for TPHcc, VOCs, and Title 22 Metals. Based on the results for total metals, select samples were analyzed for hexavalent chromium and soluble metals. Based on the results for TPH, select samples were analyzed for PCBs. The analytical results for TPHcc, PCBs and VOCs in soil are summarized in Table 1 for samples collected during this

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investigation. The analytical results for metals in soil samples collected during this investigation are summarized in Table 2. The soil analytical results were compared to the United States Environmental Protection Agency, Regional Screening Levels for commercial/industrial soils (EPA-RSLi), and the California Department of Toxic Substances Control, Human and Ecological Risk Office Note 3, Screening Levels for commercial/industrial soils (DTSC-SLi). The EPA-RSLi and DTSC-SLi provide screening values for the protection of human health through dermal contact, inhalation, or ingestion of soil (i.e. the protection of construction workers). Metals concentrations detected in the soil samples were additionally compared to the applicable State of California and Federal waste disposal criteria. The soil analytical results are discussed in the following sub-sections.

5.2.1 Total Petroleum Hydrocarbons in Soil

Petroleum hydrocarbons were detected at low to moderate concentrations in soil samples at depths ranging from 5 to 35 feet bgs (Table 1). Similar to the results of previous subsurface investigations completed at the Site, petroleum hydrocarbons were detected in the samples in the gasoline, diesel, and oil carbon chain ranges, however, the majority of the detections and the highest concentrations were in the oil range.

The maximum concentrations of petroleum hydrocarbons detected during this investigation in the gasoline, diesel, and oil carbon ranges were 34.6 milligrams per kilogram (mg/kg), 1,607 mg/kg, and 17,200 mg/kg, respectively. The petroleum hydrocarbons detected were generally below the regulatory screening levels for the protection of human health, with the exception of diesel range petroleum hydrocarbons detected in the 20 foot sample in boring B20. Diesel range petroleum hydrocarbons were reported in this sample at a concentration of 607 mg/kg slightly exceeding the EPA-RSLi screening value of 600 mg/kg. However, samples collected both above and below this sample showed concentrations of diesel range petroleum hydrocarbons well below the screening values. The petroleum hydrocarbons appear to be distributed randomly throughout the man-made fill and will be encountered during future excavation activities.

5.2.2 Polychlorinated Biphenyls (PCBs) in Soil

PCBs are generally associated with, or carried in, oils (petroleum hydrocarbons). Therefore, one soil sample from each boring (nine samples) with the highest concentrations of TPHcc were analyzed for PCBs. PCBs were not detected in any of these samples (Table 1). Based on these results, except for a single detection during a previous investigation, PCBs do not appear to be present or associated with the petroleum hydrocarbons detected within the fill material.

5.2.3 Volatile Organic Compounds (VOCs) in Soil

Similar to the previous investigations, aromatic VOCs typically associated with crude oil (i.e. ethylbenzene, toluene, trimethyl benzenes, etc.) were detected very sporadically at very low concentrations in a few soil samples collected from within the fill material. Ardent believes the presence of aromatic VOCs in the soil is associated and derived from the weathered crude oil petroleum hydrocarbons within the fill material. The concentrations of aromatic VOCs were well below applicable regulatory screening levels and are not of significant concern.

Acetone was detected at very low concentrations in 30 of the 63 samples collected. The detected concentrations of acetone are well below any regulatory screening levels and are not of concern. The source of acetone in the samples is unknown. The detection of acetone in the samples from this SSI is anomalous due to the fact that acetone was not detected in any soil samples from previous investigations.

Select other VOCs were very sporadically detected in a few soil samples collected from the fill materials. As presented in Table 1, the concentrations of VOCs detected were well below the applicable regulatory screening guidelines. Given the low concentrations of the VOCs detected in soil samples, the rare presence of select VOCs would not be considered a significant concern for the protection of human health or disposal of soil.

5.2.4 Metals in Soil

Various metals were detected at low to elevated concentrations in soil samples analyzed for Title 22 Metals (Table 2). Many of the detected metals were at relatively low concentrations that likely represent background concentrations in soil or are below levels of concern. A few metals were detected at elevated concentrations that exceed hazardous waste threshold limits established in Title 22 of the California Code of Regulations (CCR) or human health screening levels.

Arsenic is a metal that is commonly found in California soil at background concentrations that exceed human health screening levels established by the California Department of Toxic Substances Control (DTSC) or the EPA. Based on a study conducted by the DTSC of regional background arsenic concentrations in Southern California and specifically Los Angeles County (Chernoff, et al, 2008), the upper-bound background arsenic concentrations in Los Angeles County and Southern California is 12 mg/kg. However, it is also recognized that localized areas may have background arsenic concentrations greater than 12 mg/kg. Of the 63 soil samples collected, nine samples contained concentrations of arsenic greater than 12 mg/kg. The concentrations of arsenic in soil ranged up to 27.4 mg/kg. The concentrations of arsenic in soil samples from the Site appear randomly distributed and appear to represent background concentrations for the native soil at the Site and for the fill material beneath the Site.

Total chromium was detected in all soil samples analyzed. The detected concentrations of total chromium were well below the State and Federal screening guidelines for protection of human health for total chromium. The sample from each boring with the highest concentration of total chromium was further analyzed for hexavalent chromium (Chromium VI). Chromium VI was not detected in any of the samples analyzed.

Title 22 of the CCR has established threshold limits for select metals for the total concentration of the metal and the soluble concentration of the metal. These limits are referred to as the Total Threshold Limit Concentration (TTLC) and the STLC. If a metal is detected at a total concentration greater than the TTLC or a soluble concentration greater than the STLC, the soil represented by the sample is considered a hazardous waste for California disposal purposes. As a rule of thumb, if the total concentration of a metal is ten times greater than the STLC for that metal, then the sample should be analyzed by the WET method.

Copper was detected in five samples (B18-20’, B19-15’, B22-10’, B23-15’, and B23-30’) at concentrations exceeding 10 times the STLC for copper. These five samples were further analyzed by the WET method for soluble concentrations of copper. None of the samples exceeded the STLC limit for soluble copper and, therefore, would not be considered a California hazardous waste based on the copper results (Table 2).

Lead was detected in three samples at concentrations greater than the TTLC (B18-20', B20-20', and B24-25'). Lead was detected in 26 samples collected from eight of the nine soil borings (B18 through B25) at concentrations exceeding 10 times the STLC for lead. These samples were further analyzed by the WET method for soluble concentrations of lead and of these, 21 samples exceeded the STLC limit for soluble lead and, therefore, would be considered a California hazardous waste based on the lead results (Table 2). Samples with soluble concentrations of lead that exceeded the STLC limit were further analyzed by the TCLP method to determine if the soil would be considered a Federal hazardous waste. None of the samples analyzed by the TCLP method exceeded the TCLP limit (Table 2) and, therefore, the soil would not be considered a Federal hazardous waste.

The soil samples with total metal and soluble metal concentrations that exceed the TTLC and/or STLC were located within the man-made fill material at depths ranging from approximately 10 to 25 feet bgs. Based on these results, portions of the fill material beneath the Site would be considered a California hazardous waste for purposes of disposal. The presence and distribution of fill material that would be classified as California hazardous waste due to metals, based on the results of this SSI and the previous investigations, is discussed further in Section 7.4

6 DISCUSSION OF RESULTS

To date, 27 borings have been drilled and 142 soil samples have been analyzed from the Site during this SSI and previous investigations by BAE and Ardent. The boring locations are shown in Figure 3 and summaries of all analytical results from all investigations are presented in Tables 3 and 4. The following sections present discussions of the combined results of this SSI and previous the investigations.

6.1 Subsurface Conditions

Subsurface lithology observed in the borings consisted of man-made fill and native alluvium. Based on the results of this SSI and the previous investigations, undocumented fill material has been identified beneath the northeast and east potions of the Site, generally beneath the parking lot area. The lateral boundary of the fill material forms an arc from the north, in the area of borings B6 and B15, to the southwest near the eastern corner of the existing Site building (Figure 3).The man-made fill consisted of clayey silt and silty clay with small pieces of man-made material (brick, wood, metal, and concrete). Based on the observed depth of the base of the fill materials in the borings completed during this SSI and the previous investigations, the base of the fill material is shallow or non-existent in the northwest, west, and southwest parts of the Site and slopes downward toward the northeast and east (Figures 4 and 5). The upper fill material, above 8 feet, is moderate olive brown. The lower fill material, below 8 feet, is generally dark colored with a slight petroleum odor. Native alluvium is below and to the west and southwest of the fill material. The native alluvium is moderate olive brown in color and primarily consisted of silty clay with some lesser layers of silt and sand. Staining or petroleum odors were not observed in the native alluvium.

The fill material is composed primarily of soil, with much lesser amounts of man-made materials (brick, glass, concrete, wood, and metal). Although the fill material contains man-made materials, the fill material does not appear to be typical of municipal waste that would be observed in a municipal landfill. Such municipal landfill waste materials would be expected to contain more man-made material (trash), including paper, cloth, ceramics, plastics, etc.

Native alluvium was observed below and to the west and southwest of the man-made fill material (Figures 3, 4, and 5). Staining or petroleum odors were not observed in the native alluvium. Figures 4 and 5 present the soil lithology encountered during this investigation and previous investigations through Cross Section A-A’ and Cross Section B-B’.

6.2 Total Petroleum Hydrocarbons in Soil

Petroleum hydrocarbons have been sporadically detected in soil samples collected from the fill material during this SSI and the previous investigations. The petroleum hydrocarbons detected appear to be distributed randomly throughout the man-made fill and will be encountered during future excavation activities. As shown in Table 3, the majority of the petroleum hydrocarbons detected, and the highest concentrations detected, were in the oil carbon range. Chromatograms for Method 8015 (TPH) results for select samples are provided in Appendix C. The chromatograms show a smooth distribution ("hump") of detected hydrocarbon chains that are primarily in the oil range (C23 to C32). This smooth distribution on the chromatograms, as well as the relative concentrations of oil range, diesel range, and gasoline range hydrocarbons, is typical of weathered crude oil. Therefore, the petroleum hydrocarbon detected in the fill is determined to not to be a refined product and is likely weathered crude oil mixed with the fill. Based on the random distribution of TPH detected in the fill, Ardent determined that the weathered crude oil was present in the fill prior to being brought to the Site and not a result of on-Site activities.

Generally, the detected concentrations of petroleum hydrocarbons were below applicable regulatory screening levels for protection of human health and the environment except for diesel range hydrocarbons detected in a single sample. Diesel range petroleum hydrocarbons in Sample B20-20 (607 mg/kg) slightly exceeded the very conservative regulatory screening level of 600 mg/kg. Based on the concentration of diesel range petroleum hydrocarbons detected in sample B20-20 and the localized presence at one location, it is not likely this detection would pose a health risk to future Site workers.

The levels of petroleum hydrocarbons detected would be considered low and are generally below the State and Federal screening guidelines for protection of human health and the environment. State waste disposal regulations allow for certain concentrations of petroleum hydrocarbons to be present in soil used as landfill cover at Class III landfills. Each landfill has unique criteria and waste profile criteria for petroleum hydrocarbons will vary depending on the waste receiving facility. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on petroleum hydrocarbon concentrations. However, the non-hazardous soil within the fill material that contains some concentrations of petroleum hydrocarbons is likely acceptable for use as landfill cover in some Los Angeles area Class III landfills. Another disposal option for the non-hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.

6.3 Polychlorinated Biphenyls (PCBs) in Soil

During the current SSI and previous investigations, a total of 16 soil samples were analyzed for PCBs. Generally, the soil sample from each boring with the highest concentrations of TPHcc were analyzed for PCBs. One type of PCBs (PCB-1254) was detected in only one sample (B12-20'). To assess the vertical extent of PCB-1254 in boring B-12, the samples from depths of 25 and 30 feet were also analyzed for PCBs. PCBs were not detected in these samples (Table 3). Based on these results, PCB-1254 is present in a single isolated soil sample at 20-feet bgs in boring B12. PCB-1254 does not appear to be migrating downward at this location. The soil at 20 feet bgs in the area of boring B12 is classified as a California hazardous waste due to metals concentrations. Therefore, the one detection of PCBs will be handled and disposed of as a California hazardous waste. PCBs do not appear to be present or associated with the petroleum hydrocarbons detected within the remainder of the fill material.

6.4 VOCs in Soil

Aromatic VOCs typically associated with crude oil (i.e. benzene, ethylbenzene, toluene, trimethyl benzenes, xylenes, etc.) were sporadically detected at low concentrations in soil samples collected from within the fill material. The aromatic VOCs in the soil samples are likely derived from the petroleum hydrocarbons within the fill material. The concentrations of aromatic VOCs are below applicable regulatory screening levels and are not of significant concern.

Three chlorinated VOCs (cis-1,2-DCE, TCE, and vinyl chloride) were very sporadically detected in a few soil samples collected from the fill materials. Generally, the concentrations of chlorinated VOCs detected were well below the State and Federal screening levels for the protection of human health, with the exception vinyl chloride detected in two samples. The vinyl chloride detected in samples B4-24 and B9-30 only slightly exceeded the regulatory screening values and would not likely present a potential human health risk to future workers (Table 3).

As with the petroleum hydrocarbons, the concentrations of VOCs would generally be considered low and are generally below State and Federal screening levels for protection of human health; however, the acceptable concentrations of VOCs in waste soil varies depending on disposal facility permits and requirements. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on VOC concentrations. However, the non-hazardous soil within the fill material that contains some low concentrations of VOCs is likely acceptable for use as landfill cover in some Los Angeles area Class III landfills. Another disposal option for the non-hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.

6.5 Metals in Soil

During the current and previous investigations, various metals were detected at low to elevated concentrations in the soil samples analyzed (Table 4). The detected metals were generally of relatively low concentrations that would likely represent background concentrations in soil or were below levels of concern. However, select metals including copper, lead, and zinc were detected at elevated concentrations which exceed the California hazardous waste threshold limits established in Title 22 CCR or human health screening levels.

The majority of the samples which exceeded the regulatory disposal criteria or human health guidelines contained elevated concentrations of lead. As shown in Table 4, lead was detected exceeding the TTLC and/or the STLC California hazardous waste criteria in 28 samples collected from within the fill material. The soil samples which exceed the STLC limit for soluble lead were then further analyzed by the TCLP method to determine of the soil exceeded the Federal hazardous waste limit for soluble lead. The TCLP analytical results were below the Federal level for soluble lead in all the samples analyzed. Due to the samples exceeding the STLC but not the TCLP criteria, if excavated the soil represented by these samples within the fill material would be considered a California hazardous waste, but not a Federal hazardous waste. These soils will require special handling and disposal and should be properly profiled by a licensed disposal contractor for acceptance at a licensed landfill prior to the beginning of excavation activities.

The elevated concentrations of lead that exceed the California hazardous waste limits, as well as localized detections of elevated copper and zinc, were detected at depths ranging from approximately 10 feet bgs to 35 feet bgs. To illustrate the occurrence and extent of soil that would be classified as a California hazardous waste, two cross-sections, Figures 6 and 7, were prepared showing the approximate lateral and vertical extent of metal impacted soil within the fill material. The locations of the cross-sections are shown in Figure 3.

Based on the combined analytical results for this SSI and previous investigations, the depth ranges for soil that would be classified as California hazardous waste vary across the site. The depth ranges are illustrated in the cross-sections, Figures 6 and 7, and the interpreted areal extent of the various depth ranges is shown in Figure 8. Based on the estimated depth ranges in the areas depicted in Figure 8, the estimated volume of soil that would be classified as California hazardous waste if excavated is 27,671 cubic yards.

CONCLUSIONS

Based on the results of this SSI and the previous Phase II SI investigations, Ardent draws the following conclusions:

- Subsurface lithology beneath the Site consists of man-made fill and native alluvium. Undocumented fill material is present beneath the northeast and east potions of the Site, generally beneath the parking lot area. The fill material consists of clayey silt and silty clay with small pieces of man-made material (brick, wood, metal, and concrete). The fill material is composed primarily of soil, with much lesser amounts of man-made materials. Although the fill material contains man-made materials, the fill material does not appear to be typical of municipal waste that would be observed in a municipal landfill. The base of the fill material is shallow or non-existent in the northwest, west, and southwest parts of the Site and slopes downward toward the northeast and east. The upper fill material, above 8 feet, is moderate olive brown. The lower fill material, below 8 feet, is generally dark colored with a slight petroleum odor. Native alluvium is below and to the west and southwest of the fill material. The native alluvium is moderate olive brown in color and primarily consisted of silty clay with some lesser layers of silt and sand. Staining or petroleum odors were not observed in the native alluvium.
- Petroleum hydrocarbons have been sporadically detected in soil samples collected from the fill material. The petroleum hydrocarbons detected appear to be distributed randomly throughout the fill material and will be encountered during future excavation activities. The petroleum hydrocarbon detected in the fill is determined to not to be a refined product and is likely weathered crude oil mixed with the fill. State waste disposal regulations allow for certain concentrations of petroleum hydrocarbons to be present in soil used as landfill cover at Class III landfills. Each landfill has unique criteria and waste profile criteria for petroleum hydrocarbons will vary depending on the waste receiving facility. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on petroleum hydrocarbon concentrations. However, the non-hazardous soil within the fill material that contains some concentrations of petroleum hydrocarbons is likely acceptable for use as landfill

cover in some Los Angeles area Class III landfills. Another disposal option for the non-hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.

- With one minor exception (at B12-20), PCBs do not appear to be present or associated with the petroleum hydrocarbons detected within the fill material.
- Low concentrations of select aromatic and chlorinated VOCs have been very sporadically detected in the fill material. The aromatic VOCs are likely derived from the petroleum hydrocarbons within the fill material. The concentrations of aromatic VOCs are below applicable regulatory screening levels and are not of significant concern. The concentrations of chlorinated VOCs were well below the State and Federal screening levels for the protection of human health, with the exception vinyl chloride detected in two samples. The vinyl chloride detected in samples B4-24 and B9-30 only slightly exceeded the health based regulatory screening values and would not likely present a potential human health risk to future workers. The acceptable concentrations of VOCs in waste soil varies depending on disposal facility permits and requirements. Therefore, Ardent is unable to fully assess what disposal restrictions may apply to the fill material based on VOC concentrations. However, the non-hazardous soil within the fill material that contains some low concentrations of VOCs is likely acceptable for use as landfill cover in some Los Angeles area Class III landfills. Another disposal option for the non-hazardous soil in the fill material is a soil recycling facility. An evaluation of the specific facilities that will accept the soil and the associated costs will need to be made by the grading contractor at the time perspective waste receiving facilities are identified for the excavation project.
- Select metals including copper, lead, and zinc were detected at elevated concentrations which exceed the California hazardous waste threshold limits established in Title 22 CCR or human health screening levels. The majority of the samples which exceeded the regulatory disposal criteria contained elevated concentrations of lead. Lead was detected exceeding the TTLC and/or the STLC California hazardous waste criteria in 28 samples collected from within the fill material. TCLP analytical results were below the Federal level for soluble lead in all the samples analyzed. If excavated select zones of soil within the fill material would be considered a California hazardous waste based on total or soluble concentrations of lead, zinc, or copper, but not a Federal hazardous waste. These soils will require special handling and disposal and should be properly profiled by a licensed disposal contractor for acceptance at a licensed landfill prior to the beginning of excavation activities.
- Based on the results of this SSI and previous investigations completed at the Site, Ardent concludes that the horizontal and vertical extent of petroleum hydrocarbons, PCBs, VOCs, and metals in the man-made fill within the proposed area of excavation have been fully assessed and characterized.
- Based on the depth ranges and aerial extent of soil that would be classified as California hazardous waste across the site, the estimated volume of soil that would be classified as California hazardous waste if excavated is 27,671 cubic yards.

7 RECOMMENDATIONS

Based on the results and conclusions of this SSI and previous investigations, Ardent recommends that this report be provided to a California licensed disposal contractor, disposal facility, or landfill prior to the beginning of excavation activities in order to profile the soil for proper transportation and disposal.

8 REPORT RELIANCE

This assessment was performed at the request of Client utilizing methods and procedures consistent with good commercial or customary practices designed to conform with acceptable industry standards. This report may be distributed to and relied upon by Client, Kilroy Realty Finance Partnership, L.P., Kilroy Realty Corporation, Kilroy Realty, L.P., their partially and wholly owned subsidiaries, successors and assigns, affiliates and together with any rating agency or any issuer or purchaser of any security collateralized or otherwise backed up by a loan upon the project. The independent conclusions represent Ardent's best professional judgment based on the conditions that existed and the information and data available to us during the course of this assignment. Factual information regarding operations, conditions, and test data provided to Client, owner, or their representative has been assumed to be correct and complete.

9 REFERENCES

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TABLE 1 – SOIL ANALYTICAL RESULTS FOR TPH, PCBs, and VOCs

Boring ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)										PCBs	
		TPHg C_6-C_{12}	TPHd C_{13}-C_{22}	TPHg C_{23}-C_{32}	Acetone	Carbon Disulfide	Ethyl-benzene	Isopropyl-benzene	Naphthalene	Styrene	Toluene	1,2,4-TMB	Vinyl Chloride	Other VOCs	PCB-1254	All Other PCBs
B17	5	ND<10	ND<10	**78.9**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	ND<10	ND<10	**105**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.01	ND<0.01
	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B18	5	ND<10	ND<10	**115**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	ND<10	**93.3**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<100	**125**	**2,020**	**0.034**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.005**	ND<0.005-0.020	ND<0.1	ND<0.1
	20	ND<100	ND<100	**1,240**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<10	ND<10	**109**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B19	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	**12.0**	**162**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<10	**20.7**	**393**	**0.023**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<20	**29.7**	**662**	**0.033**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.005-0.020	--	--
	25	ND<20	**23.2**	**601**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	**34.6**	**32.5**	**866**	**0.022**	ND<0.010	ND<0.005	**0.008**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.01	ND<0.1
	35	ND<100	ND<100	**884**	**0.023**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B20	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	**16.6**	**344**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<10	**16.6**	**317**	**0.022**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<100	**607**	**7,570**	**0.029**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.1	ND<0.1
	25	ND<20	**25.1**	**1,240**	**0.054**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.010**	ND<0.005-0.020	--	--
	30	ND<10	ND<10	**128**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B21	5	ND<10	ND<10	**264**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<1,000	ND<1,000	**17,200**	**0.023**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.1	ND<0.1
	15	ND<20	ND<20	**387**	**0.060**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<10	ND<10	**169**	**0.021**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<20	ND<20	**272**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	ND<20	ND<20	**310**	**0.029**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	ND<100	ND<1,000	**1,380**	**0.047**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.005-0.020	--	--

TABLE 1 – SOIL ANALYTICAL RESULTS FOR TPH, PCBs, and VOCs

Boring ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)										PCBs	
		TPHg C_6-C_{12}	TPHd C_{13}-C_{22}	TPHg C_{23}-C_{32}	Acetone	Carbon Disulfide	Ethyl-benzene	Isopropyl-benzene	Naphthalene	Styrene	Toluene	1,2,4-TMB	Vinyl Chloride	Other VOCs	PCB-1254	All Other PCBs
B22	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<100	ND<100	**1,200**	**0.056**	**0.042**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<100	ND<100	**1,400**	**0.047**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.007**	ND<0.005-0.020	--	--
	20	ND<100	**303**	**7,940**	**0.069**	ND<0.010	**0.019**	**0.013**	**0.006**	**0.012**	ND<0.005	**0.006**	ND<0.005	ND<0.005-0.020	ND<0.01	ND<0.01
	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B23	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<20	ND<20	**335**	**0.026**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<100	ND<100	**1,330**	**0.033**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.01	ND<0.01
	30	ND<100	ND<100	**1,280**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	**0.177**	ND<0.005	**0.285**	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	**30.0**	**25.2**	**273**	**0.074**	ND<0.010	**0.005**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B24	5	ND<10	ND<10	**154**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<100	ND<100	**3,850**	**0.039**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	ND<0.1	ND<0.1
	15	ND<20	ND<20	**377**	**0.029**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<100	ND<100	**1,380**	**0.021**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<100	ND<100	**1,760**	**0.057**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	30	ND<10	ND<10	ND<50	**0.052**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	35	ND<10	ND<10	ND<50	**0.025**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
B25	5	ND<10	ND<10	**136**	**0.021**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	15	ND<20	ND<20	**350**	ND<0.020	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	20	ND<10	ND<10	ND<50	**0.023**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005-0.020	--	--
	25	ND<100	ND<100	**956**	**0.022**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.006**	ND<0.005-0.020	--	--
	30	ND<100	ND<100	**1,170**	**0.053**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.014**	ND<0.005-0.020	--	--
	35	ND<100	ND<100	**1,520**	**0.034**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.005-0.020	ND<0.01	ND<0.01
Regulatory Screening Levels																
DTSC-SLi		NA	NA	NA	NA	NA	NA	NA	NA	NA	5,400	NA	0.15	Various		
EPA-RSLi		420	600	33,000	670,000	3,500	25	9,900	17	35,000	47,000	1,800	0.17	Various		

Notes:
ID - identification
feet bgs - feet below the ground surface
TPHcc - Total Petroleum Hydrocarbons Carbon Chain C4-C35 analyzed in general accordance with EPA Method No. 8015
mg/kg - milligrams per kilogram
VOCs - Volatile Organic Compounds analyzed in general accordance with EPA Method No. 8260B
1,2,4-TMB - 1,2,4 trimethyl benzene
PCBs - polychlorinated biphenyls analyzed in general accordance with EPA Method No. 8082
TPHg - gasoline range petroleum hydrocarbons. Carbon range C4-C10 for samples collected in 2012 and 15, and carbon range C6-C12 for samples collected in 2020
TPHd - diesel range petroleum hydrocarbons. Carbon range C11-C22 for samples collected in 2012 and 15, and carbon range C13-C22 for samples collected in 2020
TPHo - oil range petroleum hydrocarbons. Carbon range C22-C35 for samples collected in 2012 and 15, and carbon range C23-C32 for samples collected in 2020
ND - no detectable concentrations above the laboratory reporting limit
--- - not analyzed
EPA-RSLi - EPA Regional Screening Levels for industrial/commercial soils, dated November 2019
DTSC-SLi - Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office Note 3, screening levels for industrial/commercial soils, dated November 2019
NA - not available / not applicable
Highlighted cell indicates a concentration that exceeds a regulatory screening level

TABLE 2 – SOIL ANALYTICAL RESULTS OF TITLE 22 METALS

Boring ID	Depth (feet bgs)	Title 22 Metals (mg/kg)																				
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chrome VI	Cobalt	Copper	Soluble Copper (STLC; mg/l)	Lead	Soluble Lead (STLC; mg/l)	TCLP Soluble Lead (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	5	ND<1.0	15.70	139	ND<0.5	0.661	41.0	---	10.2	25.3	---	8.80	---	---	0.032	ND<5.0	22.2	ND<1.0	ND<1.0	ND<1.0	60.5	85.0
	10	ND<1.0	12.30	128	ND<0.5	0.648	67.6	---	13.9	41.1	---	8.72	---	---	0.037	ND<5.0	41.4	ND<1.0	ND<1.0	ND<1.0	69.0	89.3
	15	ND<1.0	12.4	107	ND<0.5	0.641	61.8	---	12.9	38.8	---	8.29	---	---	0.032	ND<5.0	38.8	ND<1.0	ND<1.0	ND<1.0	62.6	82.9
B17	20	ND<1.0	9.24	119	ND<0.5	0.574	58.1	---	11.8	33.5	---	7.21	---	---	0.036	ND<5.0	33.8	ND<1.0	ND<1.0	ND<1.0	59.0	79.5
	25	ND<1.0	6.42	180	ND<0.5	ND<0.5	72.8	ND<0.040	13.0	31.3	---	6.66	---	---	0.032	ND<5.0	32.3	ND<1.0	ND<1.0	ND<1.0	68.2	89.1
	30	ND<1.0	6.73	80.1	ND<0.5	ND<0.5	53.1	---	8.03	27.1	---	5.55	---	---	0.029	ND<5.0	26.9	ND<1.0	ND<1.0	ND<1.0	42.6	58.0
	35	ND<1.0	6.85	62.3	ND<0.5	ND<0.5	43.1	---	6.06	23.5	---	1.56	---	---	0.051	ND<5.0	22.7	ND<1.0	ND<1.0	ND<1.0	38.0	53.8
	5	ND<1.0	8.74	149	ND<0.5	ND<0.5	0.697	---	19.6	32.5	---	8.66	---	---	0.033	ND<5.0	36.8	ND<1.0	ND<1.0	ND<1.0	57.4	74.7
	10	ND<1.0	7.05	178	ND<0.5	1.20	56.9	---	10.1	44.7	---	32.7	---	---	0.068	ND<5.0	38.1	ND<1.0	ND<1.0	ND<1.0	52.9	125
	15	ND<1.0	9.78	178	ND<0.5	1.80	67.2	---	10.7	97.8	---	133	7.41	ND<0.01	0.131	ND<5.0	41.5	ND<1.0	1.17	ND<1.0	50.3	243
B18	20	ND<10	18.7	541	ND<5	5.25	191	ND<0.040	18.6	539	4.06	1,210	28.0	ND<0.01	0.828	ND<50	967	ND<10	ND<10	ND<10	ND<50	1,940
	25	ND<1.0	7.71	92.1	ND<0.5	ND<0.5	61.1	---	7.90	30.4	---	8.16	---	---	0.027	ND<5.0	28.4	ND<1.0	ND<1.0	ND<1.0	43.2	69.1
	30	ND<1.0	6.99	97.0	ND<0.5	ND<0.5	67.3	---	8.24	34.8	---	5.52	---	---	0.038	ND<5.0	43.3	ND<1.0	ND<1.0	ND<1.0	56.8	82.7
	35	ND<1.0	7.95	104	ND<0.5	ND<0.5	57.3	---	4.34	40.9	---	7.90	---	---	0.038	ND<5.0	19.7	ND<1.0	ND<1.0	ND<1.0	43.0	63.7
	5	ND<1.0	3.06	111	ND<0.5	0.521	39.8	---	8.82	20.6	---	5.87	---	---	0.031	ND<5.0	14.1	ND<1.0	ND<1.0	ND<1.0	41.7	50.0
	10	ND<1.0	7.35	144	ND<0.5	0.868	74.4	---	10.4	45.3	---	39.7	---	---	0.049	ND<5.0	40.0	ND<1.0	ND<1.0	ND<1.0	49.1	162
	15	ND<10	15.4	450	ND<5	4.13	84.2	ND<0.040	10.6	354	ND<1	876	16.5	ND<0.01	0.576	ND<50	35.8	ND<10	ND<10	ND<10	ND<50	736
B19	20	ND<1.0	8.54	243	ND<0.5	2.59	71.2	---	7.38	75.2	---	155	8.54	ND<0.01	0.513	ND<5.0	30.0	ND<1.0	1.30	ND<1.0	31.0	449
	25	5.08	4.45	150	ND<0.5	1.31	26.6	---	4.50	87.8	---	217	8.95	0.364	0.334	ND<5.0	11.7	ND<1.0	ND<1.0	ND<1.0	17.8	214
	30	ND<1.0	9.67	227	ND<0.5	2.72	71.1	---	8.90	220	---	172	7.18	ND<0.01	0.184	ND<5.0	29.1	ND<1.0	1.36	ND<1.0	35.7	367
	35	ND<1.0	8.62	252	ND<0.5	3.13	68.8	---	8.98	130	---	219	11.0	0.038	0.253	ND<5.0	40.7	ND<1.0	1.49	ND<1.0	33.4	484
	5	ND<1.0	3.49	92.5	ND<0.5	0.745	42.7	---	8.99	16.1	---	4.64	---	---	0.152	ND<5.0	19.3	ND<1.0	ND<1.0	ND<1.0	41.1	58.6
	10	ND<10	15.6	368	ND<5	ND<5	86.0	ND<0.040	ND<10	245	---	308	8.55	0.012	0.170	ND<50	32.7	ND<10	ND<10	ND<10	ND<50	562
	15	ND<1.0	5.86	160	ND<0.5	0.853	43.2	---	5.71	34.3	---	31.3	---	---	0.138	ND<5.0	14.9	ND<1.0	ND<1.0	ND<1.0	33.4	112
B20	20	51.9	5.60	182	ND<5	ND<5	50.8	---	ND<10	126	---	1,710	23.1	0.047	0.358	ND<50	ND<25	ND<10	ND<10	ND<10	ND<50	291
	25	ND<1.0	6.47	142	ND<0.5	1.06	76.8	---	8.54	84.7	---	90.1	6.51	0.023	0.126	ND<5.0	25.9	ND<1.0	ND<1.0	ND<1.0	33.7	197
	30	ND<1.0	7.02	89.5	ND<0.5	ND<0.5	65.3	---	7.73	33.5	---	18.9	---	---	0.047	ND<5.0	26.8	ND<1.0	ND<1.0	ND<1.0	37.0	82.2
	35	ND<1.0	6.20	95.9	ND<0.5	ND<0.5	64.4	---	6.44	31.0	---	5.07	---	---	0.047	ND<5.0	27.4	ND<1.0	ND<1.0	ND<1.0	34.8	64.9
	5	ND<1.0	3.26	161	ND<0.5	ND<0.5	49.9	---	11.5	26.7	---	7.77	---	---	0.058	ND<5.0	13.0	ND<1.0	ND<1.0	ND<1.0	44.2	63.8
	10	ND<1.0	ND<0.3	26.3	ND<0.5	ND<0.5	43.6	---	15.2	20.9	---	2.89	---	---	0.035	ND<5.0	20.2	ND<1.0	ND<1.0	ND<1.0	49.0	44.4
	15	ND<1.0	7.46	248	ND<0.5	1.83	70.8	---	9.03	11.2	---	145	12.8	0.826	0.451	ND<5.0	36.5	ND<1.0	ND<1.0	ND<1.0	45.0	318
B21	20	ND<1.0	7.64	156	ND<0.5	0.772	71.7	---	10.1	56.2	---	35.6	---	---	0.081	ND<5.0	27.4	ND<1.0	ND<1.0	ND<1.0	46.7	124
	25	ND<1.0	8.93	179	ND<0.5	1.28	75.5	---	9.87	53.0	---	47.4	---	---	0.137	ND<5.0	27.2	ND<1.0	ND<1.0	ND<1.0	52.9	421
	30	ND<1.0	5.36	265	ND<0.5	3.10	466	ND<0.040	12.6	86.1	---	163	4.98	---	0.200	9.70	263	ND<1.0	ND<1.0	ND<1.0	44.4	346
	35	ND<1.0	5.93	113	ND<0.5	1.38	51.1	---	7.67	41.7	---	30.6	---	---	0.066	ND<5.0	18.8	ND<1.0	ND<1.0	ND<1.0	41.2	97.6
	5	ND<1.0	6.39	142	ND<0.5	0.701	71.8	---	10.2	29.3	---	12.0	---	---	0.036	ND<5.0	22.2	ND<1.0	ND<1.0	ND<1.0	49.4	80.5
	10	ND<10	ND<3	174	ND<5	ND<5	1,990	ND<0.040	43.8	284	1.22	81.9	8.22	0.141	0.165	ND<50	65.8	ND<10	ND<10	ND<10	ND<50	280
B22	15	ND<1.0	6.87	301	ND<0.5	3.91	81.4	---	8.34	156	---	218	20.1	ND<0.01	0.171	13.9	41.2	ND<1.0	3.93	ND<1.0	29.6	815
	20	ND<1.0	8.08	165	ND<0.5	1.76	95.4	---	13.6	100	---	206	7.38	0.050	0.333	10.3	58.8	ND1.0	ND<1.0	ND<1.0	26.5	344
	25	ND<10	11.50	179	ND<5	0.588	93.0	---	16.1	44.7	---	8.34	---	---	0.044	ND<50	41.5	ND<10	ND<10	ND<10	64.6	93.0

TABLE 2 – SOIL ANALYTICAL RESULTS OF TITLE 22 METALS

Boring ID	Depth (feet bgs)	Title 22 Metals (mg/kg)																				
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chrome VI	Cobalt	Copper	Soluble Copper (STLC; mg/l)	Lead	Soluble Lead (STLC; mg/l)	TCLP Soluble Lead (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B22	30	ND<1.0	**7.31**	**99.8**	ND<0.5	**0.503**	**58.4**	---	**11.2**	**28.3**	---	**6.36**	---	---	**0.035**	ND<5.0	**26.6**	ND<1.0	ND<1.0	ND<1.0	**42.0**	**62.7**
	35	ND<1.0	**6.30**	**84.4**	ND<0.5	ND<0.5	**52.4**	---	**9.04**	**23.7**	---	**5.32**	---	---	**0.052**	ND<5.0	**22.2**	ND<1.0	ND<1.0	ND<1.0	**39.4**	**56.0**
B23	5	ND<1.0	**2.15**	**172**	ND<0.5	ND<0.5	**60.4**	---	**12.8**	**28.6**	---	**4.45**	---	---	**0.061**	ND<5.0	**11.9**	ND<1.0	ND<1.0	ND<1.0	**49.1**	**67.5**
	10	ND<1.0	**11.90**	**115**	ND<0.5	**0.530**	**63.2**	---	**8.43**	**20.2**	---	**4.15**	---	---	**0.035**	ND<5.0	**18.2**	ND<1.0	ND<1.0	ND<1.0	**53.4**	**55.0**
	15	ND<1.0	**13.20**	**263**	ND<0.5	**2.57**	**87.0**	---	**11.3**	**484**	**0.435**	**262**	**17.4**	**0.053**	**0.162**	ND<5.0	**64.7**	ND<1.0	**4.42**	ND<1.0	**50.1**	**477.0**
	20	ND<1.0	**5.53**	**96.7**	ND<0.5	ND<0.5	**57.0**	---	**7.00**	**30.7**	---	**4.70**	---	---	**0.040**	ND<5.0	**31.8**	ND<1.0	ND<1.0	ND<1.0	**37.3**	**85.5**
	25	ND<1.0	**7.31**	**120**	ND<0.5	**0.897**	**71.4**	---	**9.52**	**33.0**	---	**20.9**	---	---	**0.05**	ND<5.0	**29.4**	ND<1.0	**1.36**	ND<1.0	**60.4**	**106**
	30	ND<1.0	**6.22**	**127**	ND<0.5	**1.67**	**66.2**	---	**7.26**	**905**	**0.234**	**99.0**	**8.82**	ND<0.01	**0.266**	ND<5.0	**41.6**	ND<1.0	ND<1.0	ND<1.0	**37.1**	**184**
	35	ND<1.0	**7.99**	**202**	ND<0.5	**1.48**	**91.9**	ND<0.040	**11.1**	**73.0**	---	**98.1**	---	---	**0.484**	ND<5.0	**44.6**	ND<1.0	ND<1.0	ND<1.0	**49.0**	**349**
B24	5	ND<1.0	**10.10**	**143**	ND<0.5	ND<0.5	**81.9**	---	**19.4**	**37.4**	---	**10.4**	---	---	**0.236**	ND<5.0	**79.8**	ND<1.0	ND<1.0	ND<1.0	**69.0**	**88.6**
	10	ND<1.0	**8.02**	**210**	ND<0.5	**1.93**	**107**	ND<0.040	**11.4**	**91.6**	---	**93.2**	**1.5**	---	**0.137**	**7.42**	**111**	ND<1.0	ND<1.0	ND<1.0	**46.9**	**272**
	15	ND<10	**9.54**	**179**	ND<5	**1.67**	**70.9**	---	**10.0**	**112.0**	---	**77.2**	**7.28**	0.091	**0.327**	ND<50	**34.4**	ND<10	**1.37**	ND<10	**49.6**	**397**
	20	ND<1.0	**7.59**	**154**	ND<0.5	**2.26**	**59.0**	---	**7.70**	**87.5**	---	**88.7**	**8.08**	ND<0.01	**0.318**	ND<5.0	**34.2**	ND<1.0	ND<1.0	ND<1.0	**37.1**	**265**
	25	**5.50**	**6.93**	**229**	ND<0.5	**1.68**	**92.4**	---	**17.1**	**236**	---	**1,690**	**39.5**	ND<0.01	**0.257**	**5.43**	**69.3**	ND<1.0	**1.27**	ND<1.0	**43.5**	**391**
	30	ND<1.0	**27.4**	**163**	ND<0.5	**0.717**	**99.6**	---	**18.2**	**29.9**	---	**23.9**	---	---	**0.066**	ND<5.0	**25.9**	ND<1.0	ND<1.0	ND<1.0	**86.2**	**95.8**
	35	ND<1.0	**9.69**	**120**	ND<0.5	**0.714**	**63.5**	---	**8.89**	**24.9**	---	**6.09**	---	---	**0.068**	ND<5.0	**24.8**	ND<1.0	ND<1.0	ND<1.0	**66.8**	**64.2**
B25	5	ND<1.0	**8.15**	**129**	ND<0.5	**0.504**	**71.9**	---	**10.7**	**32.1**	---	**8.52**	---	---	**0.056**	ND<5.0	**29.3**	ND<1.0	ND<1.0	ND<1.0	**58.3**	**75.7**
	10	ND<1.0	**9.77**	**92.0**	ND<0.5	**0.958**	**54.5**	---	**7.07**	**21.9**	---	**3.80**	---	---	**0.063**	ND<5.0	**18.1**	ND<1.0	ND<1.0	ND<1.0	**61.6**	**53.8**
	15	ND<1.0	**12.5**	**284**	ND<0.5	**3.99**	**70.3**	---	**8.03**	**153.0**	---	**251**	**2.04**	---	**0.516**	ND<5.0	**27.8**	ND<1.0	**2.19**	ND<1.0	**33.4**	**391**
	20	ND<1.0	**6.55**	**243**	ND<0.5	**2.77**	**56.1**	---	**7.42**	**129**	---	**149**	**7.37**	ND<0.01	**0.367**	ND<5.0	**18.7**	ND<1.0	**1.78**	ND<1.0	**38.4**	**1,540**
	25	ND<1.0	**11.2**	**291**	ND<0.5	**4.00**	**96.2**	ND<0.040	**9.46**	**191**	---	**198**	**7.17**	**0.233**	**0.517**	ND<5.0	**50.0**	ND<1.0	**1.52**	ND<1.0	**45.6**	**859**
	30	ND<1.0	**9.50**	**141**	ND<0.5	**1.47**	**69.0**	---	**8.43**	**34.6**	---	**115**	**3.01**	---	**0.129**	ND<5.0	**34.8**	ND<1.0	ND<1.0	ND<1.0	**46.1**	**171**
	35	ND<1.0	**7.90**	**143**	ND<0.5	**1.12**	**69.2**	---	**8.76**	**28.8**	---	**31.4**	---	---	**0.199**	ND<5.0	**38.5**	ND<1.0	ND<1.0	ND<1.0	**59.9**	**97.4**
Protection of Human Health																						
DTSC-SLi		NA	0.36	NA	210	7	170,000	NA	NA	NA	NA	320	NA	NA	4.5	NA	3,100	NA	1,500	NA	1,000	NA
EPA-RSLi		470	3	220,000	2,300	980	NA	NA	350	350	NA	800	NA	NA	4.6	5,800	NA	5,800	5,800	12	5,800	350,000
Background for Arsenic		NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Disposal Criteria																						
TTLC		500	500	10,000	75	100	2,500	NA	8,000	2,500	2,500	1,000	NA	NA	20	3,500	2,000	100	500	700	2,400	5,000
STLC		15	5	100	0.75	1	560	NA	80	25	25	5	5	NA	0.2	350	20	1	5	7	24	250
TCLP		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10XSTLC		150	50	1,000	8	10	5,600	NA	800	250	250	50	NA	NA	2	3,500	200	10	50	70	240	2,500
20XSTLC		300	100	2,000	16	100	11,200	NA	1,600	500	500	100	NA	NA	4	7,000	400	20	100	140	480	5,000.0

Notes:
ID - identification
feet bgs - feet below the ground surface
mg/kg - milligrams per kilogram
Title 22 Metals analyzed in general accordance with EPA Method No. 6010B/7471A
Chrome VI - Hexavalent Chromium analyzed in general accordance with EPA Method No. 218.6
WET - waste extraction test analyzed in general accordance with EPA Method No. 6010B
mg/l - milligrams per liter
ND - no detectable concentrations above the laboratory reporting limit
NA - not available / not applicable

--- - not analyzed
EPA-RSLi - EPA Regional Screening Levels for industrial/commercial soils, dated November 2019
DTSC-SLi - Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office Note 3, screening levels for industrial/commercial soils, dated November 2019
Background for Arsenic - Concentration of arsenic acceptable to the DTSC for soils at Los Angeles Unified School District Properties, dated June 2005
TTLC - Total Threshold Limit Concentration
STLC - Soluble Threshold Limit Concentration.
TCLP - Federal toxicity leaching procedure
10XSTLC/20XSTLC - 10 times and 20 times the STLC
= Exceeds Health Based Screening Level or Background
= Exceeds California Waste Disposal Criteria

TABLE 3 - SOIL ANALYTICAL RESULTS TO DATE FOR TPH, PCBs, AND VOCs

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)																PCBs	
				TPHg	TPHd	TPHo	Acetone	Benzene	1,1-DCE	Carbon Disulfide	cis-1,2-DCE	Ethyl-benzene	Isopropyl-benzene	4-Isopropyl-toluene	Naphthalene	Styrene	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xylenes	PCB-1254	All Other PCBs
B1	12/11/17	B1-15	15	ND<10	**107**	**275**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	**0.127**	ND<0.005	**1.34**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B1-28	28	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B2	12/11/17	B2-15	15	**11.2**	**13.1**	**61**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B2-28	28	ND<10	ND<10	**94.4**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B3	12/11/17	B3-15	15	ND<10	**33.4**	**261**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B3-20	20	ND<10	**39.9**	**210**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B4	12/11/17	B4-15	15	ND<10	**32.1**	**133**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	**0.051**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.051**	**0.056**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B4-24	24	ND<10	**147**	**1,150**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	**0.623**	**0.251**	**0.142**	**0.190**	ND<0.005	**0.085**	**0.099**	**0.106**	**0.131**	**0.080**	**0.460**	**0.157**	--	--
B5	12/12/17	B5-10	10	ND<10	**10.9**	**65**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B5-25	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B6	12/12/17	B6-15	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B6-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B7	12/11/17	B7-5	5	ND<10	ND<10	ND<50	--	--	--	ND<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B7-10	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B7-15	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B7-20	20	ND<10	ND<10	ND<50	--	--	--	ND<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B7-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B7-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B7-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B7-55	55	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B8	12/12/17	B8-10	10	ND<10	**103**	**572**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B8-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B8-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B8-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.007**	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B8-60	60	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B9	12/11/17	B9-10	10	ND<10	**13.1**	**158**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B9-25	25	ND<10	ND<10	**103**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	**0.01**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B9-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B9-40	40	ND<10	**60.5**	**586**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	**0.051**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.174**	ND<0.010	--	--
		B9-50	50	ND<10	ND<10	**103**	ND<0.020	ND<0.005	**0.007**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B9-60	60	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B10 UST	12/12/17	B10-20	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B11 UST	12/12/17	B11-20	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B10	5/7/18	B10-10	10	**29.2**	**48.2**	**238**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B10-15	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-20	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-25	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-45	45	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B10-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--

TABLE 3 - SOIL ANALYTICAL RESULTS TO DATE FOR TPH, PCBs, AND VOCs

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)																PCBs	
				TPHg	TPHd	TPHo	Acetone	Benzene	1,1-DCE	Carbon Disulfide	cis-1,2-DCE	Ethyl-benzene	Isopropyl-benzene	4-Isopropyl-toluene	Naphthalene	Styrene	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xylenes	PCB-1254	All Other PCBs
B11	5/7/18	B11-10	10	**12.3**	**26.6**	**128**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	**0.006**	**0.021**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-15	15	**67.9**	**67.8**	**296**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	**0.018**	**0.034**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.007**	**0.005**	--	--
		B11-20	20	**75.6**	**111.0**	**561**	ND<0.020	**0.005**	ND<0.005	ND<0.010	ND<0.005	**0.014**	**0.04**	ND<0.005	ND<0.005	ND<0.005	**0.006**	ND<0.005	**0.01**	**0.01**	**0.029**	**0.009**	ND<0.1	ND<0.1
		B11-25	25	**10.2**	**17.5**	**79**	ND<0.020	**0.008**	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-45	45	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.006**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B11-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.026**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B12	5/8/18	B12-10	10	ND<10	**54.5**	**390**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B12-15	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B12-20	20	**113.0**	**131.0**	**835**	ND<0.020	**0.024**	ND<0.005	ND<0.010	ND<0.005	**0.012**	**0.044**	ND<0.005	ND<0.005	ND<0.005	**0.017**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	**8.8**	ND<0.01
		B12-25	25	ND<10	**57.3**	**361**	ND<0.020	**0.011**	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.01
		B12-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.01
		B12-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B12-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B12-45	45	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.018**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B12-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.027**	ND<0.010	**0.006**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B13	5/8/18	B13-10	10	ND<10	ND<10	**58**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-15	15	**16.2**	**24.6**	**140**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-20	20	**38.2**	**44.2**	**212**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B13-25	25	ND<10	**54.5**	**320**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-45	45	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B13-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B14	5/8/18	B14-10	10	ND<10	**13.1**	**77**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-15	15	ND<10	**29.3**	**113**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-20	20	**274.0**	ND<10	**1,680**	ND<0.020	**0.007**	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B14-25	25	ND<10	ND<10	ND<50	ND<0.020	**0.040**	ND<0.005	ND<0.010	**0.007**	ND<0.005	ND<0.005	**0.017**	**0.016**	ND<0.005	**0.027**	**0.008**	ND<0.005	**0.037**	ND<0.005	**0.079**	--	--
		B14-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-40	40	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-45	45	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.023**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B14-50	50	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	**0.042**	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B17	3/16/20	B17-5	5	ND<10	ND<10	**78.9**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B17-10	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B17-15	15	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B17-20	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B17-25	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--

TABLE 3 - SOIL ANALYTICAL RESULTS TO DATE FOR TPH, PCBs, AND VOCs

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)																PCBs	
				TPHg	TPHd	TPHo	Acetone	Benzene	1,1-DCE	Carbon Disulfide	cis-1,2-DCE	Ethyl-benzene	Isopropyl-benzene	4-Isopropyl-toluene	Naphthalene	Styrene	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xylenes	PCB-1254	All Other PCBs
B17	3/16/20	B17-30	30	ND<10	ND<10	**105**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.01
		B17-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B18	3/16/20	B18-5	5	ND<10	ND<10	**115**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B18-10	10	ND<10	ND<10	**93.3**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B18-15	15	ND<100	**125**	**2,020**	**0.034**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.005**	ND<0.010	ND<0.1	ND<0.1
		B18-20	20	ND<100	ND<100	**1,240**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B18-25	25	ND<10	ND<10	**109**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B18-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B18-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B19	3/16/20	B19-5	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B19-10	10	ND<10	**12.0**	**162**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B19-15	15	ND<10	**20.7**	**393**	**0.023**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B19-20	20	ND<20	**29.7**	**662**	**0.033**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.010	--	--
		B19-25	25	ND<20	**23.2**	**601**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B19-30	30	**34.6**	**32.5**	**866**	**0.022**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	**0.008**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.1
		B19-35	35	ND<100	ND<100	**884**	**0.023**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B20	3/16/20	B20-5	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B20-10	10	ND<10	**16.6**	**344**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B20-15	15	ND<10	**16.6**	**317**	**0.022**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B20-20	20	ND<100	**607**	**7,570**	**0.029**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B20-25	25	ND<20	**25.1**	**1,240**	**0.054**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.010**	ND<0.010	--	--
		B20-30	30	ND<10	ND<10	**128**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B20-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B21	3/16/20	B21-5	5	ND<10	ND<10	**264**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B21-10	10	ND<1,000	ND<1,000	**17,200**	**0.023**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B21-15	15	ND<20	ND<20	**387**	**0.060**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B21-20	20	ND<10	ND<10	**169**	**0.021**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B21-25	25	ND<20	ND<20	**272**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B21-30	30	ND<20	ND<20	**310**	**0.029**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B21-35	35	ND<100	ND<1,000	**1,380**	**0.047**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.010	--	--
B22	3/17/20	B22-5	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B22-10	10	ND<100	ND<100	**1,200**	**0.056**	ND<0.005	ND<0.005	**0.042**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B22-15	15	ND<100	ND<100	**1,400**	**0.047**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.007**	ND<0.010	--	--
		B22-20	20	ND<100	**303**	**7,940**	**0.069**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	**0.019**	**0.013**	ND<0.005	**0.006**	**0.012**	ND<0.005	ND<0.005	**0.006**	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.01
		B22-25	25	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B22-30	30	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B22-35	35	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B23	3/17/20	B23-5	5	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B23-10	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B23-15	15	ND<20	ND<20	**335**	**0.026**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B23-20	20	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--

TABLE 3 - SOIL ANALYTICAL RESULTS TO DATE FOR TPH, PCBs, AND VOCs

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	TPHcc (mg/kg)			VOCs (mg/kg)																PCBs	
				TPHg	TPHd	TPHo	Acetone	Benzene	1,1-DCE	Carbon Disulfide	cis-1,2-DCE	Ethyl-benzene	Isopropyl-benzene	4-Isopropyl-toluene	Naphthalene	Styrene	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xylenes	PCB-1254	All Other PCBs
B23	3/17/20	B23-25	25	ND<100	ND<100	**1,330**	**0.033**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.01	ND<0.01
		B23-30	30	ND<100	ND<100	**1,280**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.177**	ND<0.005	**0.285**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B23-35	35	**30.0**	**25.2**	**273**	**0.074**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	**0.005**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B24	3/17/20	B24-5	5	ND<10	ND<10	**154**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B24-10	10	ND<100	ND<100	**3,850**	**0.039**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	ND<0.1	ND<0.1
		B24-15	15	ND<20	ND<20	**377**	**0.029**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B24-20	20	ND<100	ND<100	**1,380**	**0.021**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B24-25	25	ND<100	ND<100	**1,760**	**0.057**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B24-30	30	ND<10	ND<10	ND<50	**0.052**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B24-35	35	ND<10	ND<10	ND<50	**0.025**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
B25	3/17/20	B25-5	5	ND<10	ND<10	**136**	**0.021**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B25-10	10	ND<10	ND<10	ND<50	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B25-15	15	ND<20	ND<20	**350**	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B25-20	20	ND<10	ND<10	ND<50	**0.023**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.010	--	--
		B25-25	25	ND<100	ND<100	**956**	**0.022**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.006**	ND<0.010	--	--
		B25-30	30	ND<100	ND<100	**1,170**	**0.053**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.014**	ND<0.010	--	--
		B25-35	35	ND<100	ND<100	**1,520**	**0.034**	ND<0.005	ND<0.005	ND<0.010	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.013**	ND<0.010	ND<0.01	ND<0.01
REGULATORY SCREENING LEVELS																								
DTSC - Sli				NA	NA	NA	NA	1.4	NA	NA	86	NA	NA	NA	NA	NA	5,400	NA	NA	NA	0.15	NA	NA	NA
EPA - RSLi				420	600	33,000	670,000	5.1	1,000	25	2,300	25	9,900	NA	17	35,000	47,000	6.0	1,800	1,500	0.17	2,400	0.97	NA

Notes:

Sample ID = sample identification

ND = analyte not detected at or above the laboratory practical quantitation limit (PQL).

NA - Not Available

TPH = total petroleum hydrocarbons carbon chain analyzed in accordance with EPA Method No. 8015M

VOCs = volatile organic compounds analyzed in accordance with EPA Method No. 8260B

PCBs - polychlorinated biphenyls analysed in accordance with EPA Method No. 8082

mg/kg = milligrams per kilogram

= Highlighted Cell Indicates Value Above Screening Level

-- = Not Analyzed

TPHcc - total petroleum hydrocarbons carbon chain analyzed in general accordance with EPA method No. 8015 (modified)

TPHg - gasoline range petroleum hydrocarbons. Carbon range C_4-C_{10} for samples collected in 2012 and 15, and carbon range C_6-C_{12} for samples collected in 2020

TPHd - diesel range petroleum hydrocarbons. Carbon range C_{11}-C_{22} for samples collected in 2012 and 15, and carbon range C_{13}-C_{22} for samples collected in 2020

TPHo - oil range petroleum hydrocarbons. Carbon range C_{22}-C_{35} for samples collected in 2012 and 15, and carbon range C_{23}-C_{32} for samples collected in 2020

1,1-DCE = 1,1-Dichloroethylene

cis-1,2,-DCE = cis-1,2-Dichloroethene

TCE = Trichloroethylene

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,3,5-TMB = 1,3,5-Trimethylbenzene

DTSC-SLi - Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office Note 3, screening levels for industrial/commercial soils, dated November 2019

EPA-RSLi - EPA Regional Screening Levels for industrial/commercial soils, dated November 2019

RWQCB = Regional Water Quality Control Board, Los Angeles Region Interim Site Assessment & Cleanp Guidebook (Mau 1996) - Soil Screening Levels for Protection of Groundwater in Soil 20 feet above groundwater.

TABLE 4 - SOIL ANALYTICAL RESULTS TO DATE FOR METALS

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	Title 22 Metals (mg/kg)																						
				Antimony	Arsenic	Barium	Beryllium	Cadmium	STLC Soluble Cadmium	Total Chromium	Chrome VI	Cobalt	Copper	STLC Soluble Copper	Lead	STLC Soluble Lead	TCLP Soluble Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Soluble Zinc
B1	12/11/17	B1-15	15	ND<1	9.95	292	ND<0.5	2.97	--	63	--	9.28	148	--	307	--	--	0.276	ND<5	32.6	ND<1	4.37	ND<1	38.1	764	--
		B1-28	28	ND<1	10.6	196	ND<0.5	1.73	--	89.8	--	8.85	70.2	--	69	--	--	0.142	ND<5	30.2	ND<1	ND<1	ND<1	56	271	--
B2	12/11/17	B2-15	15	ND<1	8.3	297	ND<0.5	2.93	--	49.4	--	8.4	151	--	186	--	--	0.125	ND<5	28.9	ND<1	1.8	ND<1	41.2	763	--
		B2-28	28	ND<1	6.95	202	ND<0.5	1.48	--	39.2	--	7.26	97	--	73.6	--	--	0.116	ND<5	23.2	ND<1	1	ND<1	39.9	233	--
B3	12/11/17	B3-15	15	ND<1	8.62	232	ND<0.5	2.1	--	54.4	--	9.42	106	--	207	--	--	0.059	ND<5	56	ND<1	1.3	ND<1	50.8	280	--
		B3-20	20	ND<1	6.94	168	ND<0.5	2.98	--	42	--	5.27	65.1	--	206	--	--	0.294	ND<5	19.9	ND<1	ND<1	ND<1	30.4	708	--
B4	12/11/17	B4-15	15	ND<1	13.5	564	ND<0.5	4.8	--	69.2	--	7.65	285	--	1,120	--	--	0.133	5.14	72.1	7.26	3.61	ND<1	26.5	878	--
		B4-24	24	ND<1	4.19	181	ND<0.5	0.901	--	33.9	--	4.99	60.3	--	82.3	--	--	0.268	ND<5	16.6	ND<1	ND<1	ND<1	31.6	680	--
B5	12/12/17	B5-10	10	ND<1	9.18	250	ND<0.5	2.85	--	84.5	--	8.9	262	--	204	--	--	0.621	ND<5	31.7	ND<1	2.22	ND<1	47.4	391	--
		B5-25	25	ND<1	12.8	173	ND<0.5	0.677	--	98.8	--	16.3	39.2	--	8.24	--	--	0.181	ND<5	41.1	ND<1	ND<1	ND<1	79.3	93.9	--
B6	12/12/17	B6-15	15	ND<1	11.6	135	ND<0.5	0.732	--	86.2	--	12.8	35.9	--	7.96	--	--	0.041	ND<5	36.9	ND<1	ND<1	ND<1	77.8	87.1	--
		B6-30	30	ND<1	6.01	89.6	ND<0.5	ND<0.5	--	85.4	--	8.36	41.3	--	5.91	--	--	0.041	ND<5	34.5	ND<1	ND<1	ND<1	51.3	104	--
B7	12/11/17	B7-10	10	ND<1	7.39	175	ND<0.5	1.49	--	41.4	--	8.46	55	--	56.9	--	--	0.074	ND<5	23.3	ND<1	ND<1	ND<1	45.7	219	--
		B7-20	20	ND<1	9.49	176	ND<0.5	0.876	--	62.1	--	11.3	50.7	--	20	--	--	0.018	ND<5	29.7	ND<1	ND<1	ND<1	65.7	202	--
		B7-30	30	ND<1	8.23	94.5	ND<0.5	ND<0.5	--	78.1	--	6.2	33.5	--	7.6	--	--	0.041	ND<5	26.1	ND<1	ND<1	ND<1	49.7	78.1	--
		B7-40	40	ND<1	8.43	102	ND<0.5	0.503	--	77.7	--	8.45	27	--	6.69	--	--	0.037	ND<5	29.4	ND<1	ND<1	ND<1	58	77.9	--
		B7-50	50	ND<1	12.3	143	ND<0.5	0.661	--	86.4	--	12.5	35.1	--	8.06	--	--	0.066	ND<5	36.9	ND<1	ND<1	ND<1	68.5	90	--
		B7-55	55	ND<1	7.9	102	ND<0.5	0.52	--	75.6	--	7.7	28	--	6.38	--	--	0.047	ND<5	27.8	ND<1	ND<1	ND<1	55.3	76.3	--
B8	12/12/17	B8-10	10	ND<1	11.7	264	ND<0.5	2.64	--	101	--	10.8	177	--	175	--	--	0.137	ND<5	40.6	ND<1	ND<1	ND<1	52.1	410	--
		B8-30	30	ND<1	7.27	167	ND<0.5	0.577	--	78.4	--	13.2	24.5	--	6.21	--	--	0.025	ND<5	25.9	ND<1	ND<1	ND<1	65.2	84.8	--
		B8-40	40	ND<1	8.36	90.8	ND<0.5	ND<0.5	--	65.7	--	9.91	24.8	--	6.05	--	--	0.13	ND<5	24.5	ND<1	ND<1	ND<1	52.7	66.4	--
		B8-50	50	ND<1	9.37	109	ND<0.5	0.584	--	72.4	--	8.38	28	--	6.87	--	--	0.013	ND<5	27.2	ND<1	ND<1	ND<1	61.8	76.7	--
		B8-60	60	ND<1	8.54	115	ND<0.5	0.537	--	94.3	--	9.09	29.4	--	9.15	--	--	0.016	ND<5	36.1	ND<1	ND<1	ND<1	58.2	83.6	--
B9	12/11/17	B9-10	10	ND<1	9.71	140	ND<0.5	0.959	--	49	--	10.5	35.7	--	44.2	--	--	0.016	ND<5	26.7	ND<1	ND<1	ND<1	60.2	128	--
		B9-25	25	ND<1	6.04	144	ND<0.5	1.16	--	39.4	--	9.01	38.3	--	49.7	--	--	0.035	ND<5	23.4	ND<1	ND<1	ND<1	48.8	122	--
		B9-30	30	ND<1	6.14	127	ND<0.5	0.678	--	34.1	--	5.49	26.8	--	44.7	--	--	0.044	ND<5	13.7	ND<1	ND<1	ND<1	32.5	90.6	--
		B9-40	40	ND<1	6.05	96.8	ND<0.5	0.791	--	33.6	--	5.26	22.9	--	33.2	--	--	0.043	ND<5	24.1	ND<1	ND<1	ND<1	32.1	75.8	--
		B9-50	50	ND<1	9.73	129	ND<0.5	0.75	--	53.3	--	12	35.2	--	15.2	--	--	0.026	ND<5	32.3	ND<1	ND<1	ND<1	60	97.7	--
		B9-60	60	ND<1	11.5	135	ND<0.5	0.802	--	49.8	--	15.8	35.7	--	9.52	--	--	0.028	ND<5	37.3	ND<1	ND<1	ND<1	63.2	91.3	--
B11 UST	12/12/17	B11-20	20	ND<1	12.9	169	ND<0.5	0.904	--	99.4	--	14.5	42.1	--	8.76	--	--	0.047	ND<5	42.9	ND<1	ND<1	ND<1	89.2	101	--
B10	5/7/18	B10-5	5	ND<1	10.9	194	ND<0.5	ND<0.5	--	58.3	--	12.3	42.4	--	14.7	--	--	0.015	ND<5	31.8	ND<1	ND<1	ND<1	72.9	114	--
		B10-10	10	ND<1	10.3	303	ND<0.5	ND<0.5	--	152	ND<0.04	11.4	167	--	322	12.3	0.363	0.577	ND<5	70.4	ND<1	ND<1	ND<1	55.2	468	--
		B10-15	15	ND<1	4.65	113	ND<0.5	0.535	--	40.6	--	4.56	69.3	--	35.3	--	--	0.045	ND<5	12.6	ND<1	ND<1	ND<1	27.5	107	--
		B10-25	25	ND<1	16	212	ND<0.5	ND<0.5	--	97	ND<0.04	18.5	46.4	--	12.2	--	--	0.048	ND<5	52.4	ND<1	ND<1	ND<1	96.2	128	--
B11	5/7/18	B11-10	10	ND<1	11.3	252	ND<0.5	ND<0.5	--	69	--	11.3	182	--	205	--	--	0.901	ND<5	32.4	ND<1	ND<1	ND<1	52.5	500	--
		B11-15	15	ND<1	10	270	ND<0.5	15	0.13	58.8	--	13.7	139	--	354	5.95	0.025	0.632	ND<5	43.7	ND<1	ND<1	ND<1	ND<5	518	--
		B11-20	20	ND<1	4.91	140	ND<0.5	1.63	--	61.3	--	5.1	130	--	119	--	--	0.65	ND<5	39.5	ND<1	2.61	ND<1	18.9	282	--
		B11-25	25	ND<1	15.6	384	ND<0.5	ND<0.5	--	69	ND<0.04	11.4	182	--	119	--	--	1.04	ND<5	30.1	ND<1	ND<1	ND<1	77.9	344	--
B12	5/8/18	B12-10	10	ND<1	10.5	251	ND<0.5	ND<0.5	--	62.6	--	12.6	123	--	323	--	--	0.304	ND<5	37.5	ND<1	ND<1	ND<1	51.7	506	--
		B12-15	15	ND<1	4.9	128	ND<0.5	0.551	--	38.6	--	8.61	22.3	--	10.6	--	--	0.205	ND<5	18.5	ND<1	ND<1	ND<1	48.2	60	--
		B12-20	20	15.2	10.3	424	ND<0.5	5.22	--	109	ND<0.04	14	292	--	709	5.28	0.014	0.258	ND<5	83.7	ND<1	ND<1	ND<1	ND<5	1,120	--
		B12-25	25	ND<1	13.4	485	ND<0.5	ND<0.5	--	73.6	--	13.2	774	--	508	10.6	0.385	0.372	ND<5	55.3	ND<1	12.4	ND<1	ND<5	912	--
		B12-30	30	--	--	--	--	--	--	--	--	--	--	--	4.59	--	--	--	--	--	--	--	--	--	--	--
B13	5/8/18	B13-10	10	ND<1	10.7	192	ND<0.5	ND<0.5	--	60	--	14.3	62.5	--	71.9	--	--	0.522	ND<5	39	ND<1	ND<1	ND<1	60.2	253	--
		B13-15	15	ND<1	11.3	286	ND<0.5	ND<0.5	--	78.8	--	14	151	--	241	10.9	0.15	0.533	ND<5	40	ND<1	ND<1	ND<1	58.6	477	--
		B13-20	20	ND<1	8.51	152	ND<0.5	ND<0.5	--	41.1	--	ND<1	61.6	--	163	--	--	0.712	ND<5	29.7	ND<1	ND<1	ND<1	ND<5	2,870	292
		B13-25	25	ND<1	5.25	125	ND<0.5	1.35	--	142	0.207	8.1	149	--	167	4.35	--	0.131	ND<5	68	ND<1	12.4	ND<1	39.9	171	--
B14	5/8/18	B14-10	10	ND<1	10.8	322	ND<0.5	ND<0.5	--	56.8	--	12.1	104	--	207	--	--	0.336	ND<5	35.2	ND<1	ND<1	ND<1	ND<5	476	--
		B14-15	15	ND<1	14.8	492	ND<0.5	ND<0.5	--	93.8	--	14.7	8,120	2.67	1,190	6.19	0.25	0.203	ND<5	55.5	ND<1	ND<1	ND<1	ND<5	1,060	--
		B14-25	25	ND<1	9.9	254	ND<0.5	ND<0.5	--	66	--	13.4	116	--	174	--	--	0.21	ND<5	40	ND<1	ND<1	ND<1	61	392	--
		B14-30	30	ND<1	13.7	171	ND<0.5	ND<0.5	--	94.5	ND<0.04	15.7	34.1	--	35.6	--	--	0.057	ND<5	35.8	ND<1	ND<1	ND<1	62.5	126	--
B17	3/16/20	B17-5	5	ND<1.0	15.70	139	ND<0.5	0.661	--	41.0	---	10.2	25.3	---	8.80	---	--	0.032	ND<5.0	22.2	ND<1.0	ND<1.0	ND<1.0	60.5	85.0	--
		B17-10	10	ND<1.0	12.30	128	ND<0.5	0.648	--	67.6	---	13.9	41.1	---	8.72	---	--	0.037	ND<5.0	41.4	ND<1.0	ND<1.0	ND<1.0	69.0	89.3	--
		B17-15	15	ND<1.0	12.4	107	ND<0.5	0.641	--	61.8	---	12.9	38.8	---	8.29	---	--	0.032	ND<5.0	38.8	ND<1.0	ND<1.0	ND<1.0	62.6	82.9	--

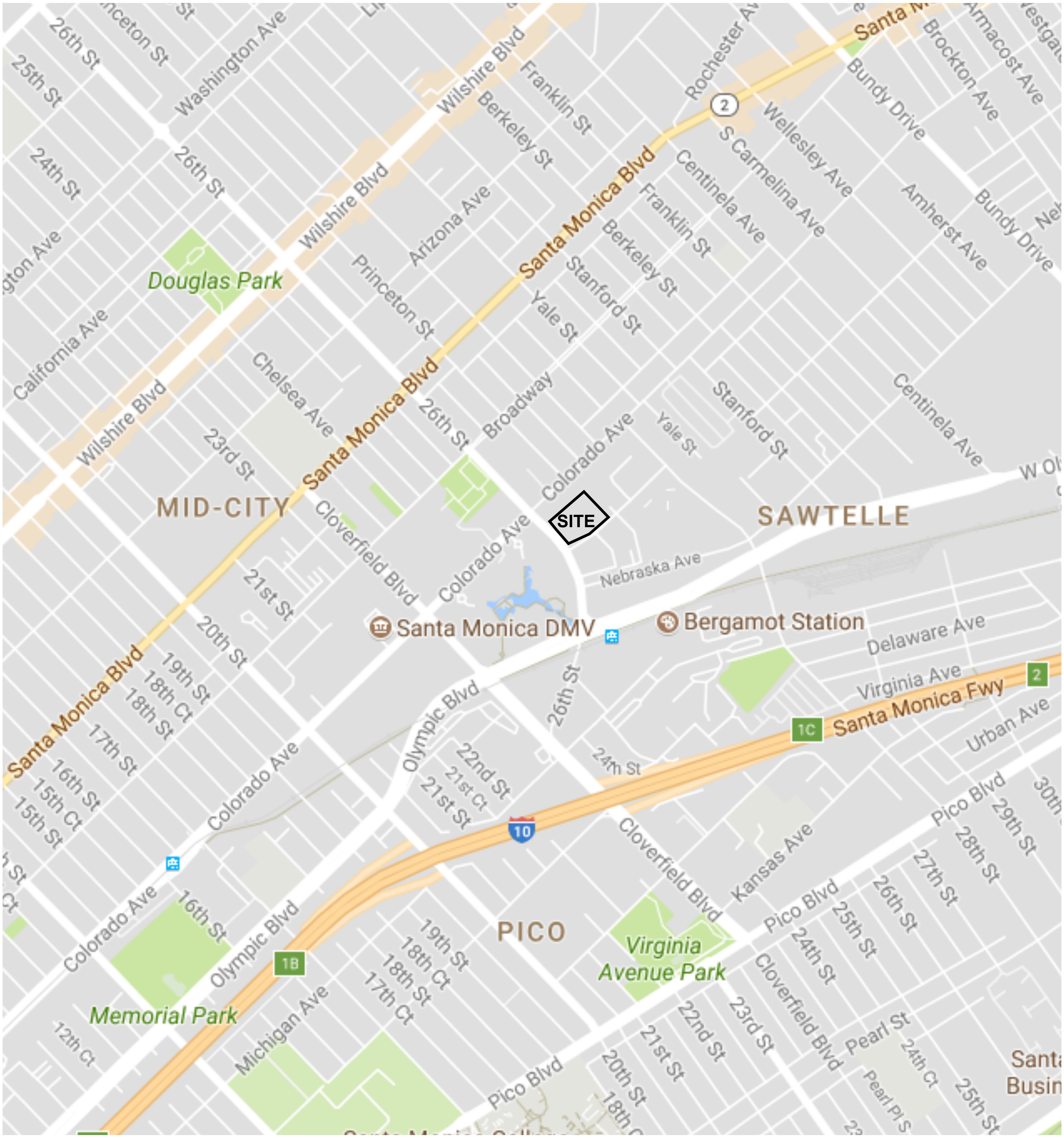
TABLE 4 - SOIL ANALYTICAL RESULTS TO DATE FOR METALS

Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	Title 22 Metals (mg/kg)																						
				Antimony	Arsenic	Barium	Beryllium	Cadmium	STLC Soluble Cadmium	Total Chromium	Chrome VI	Cobalt	Copper	STLC Soluble Copper	Lead	STLC Soluble Lead	TCLP Soluble Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Soluble Zinc
B17	3/16/20	B17-20	20	ND<1.0	9.24	119	ND<0.5	0.574	--	58.1	---	11.8	33.5	---	7.21	---	--	0.036	ND<5.0	33.8	ND<1.0	ND<1.0	ND<1.0	59.0	79.5	--
		B17-25	25	ND<1.0	6.42	180	ND<0.5	ND<0.5	--	72.8	ND<0.040	13.0	31.3	---	6.66	---	--	0.032	ND<5.0	32.3	ND<1.0	ND<1.0	ND<1.0	68.2	89.1	--
		B17-30	30	ND<1.0	6.73	80.1	ND<0.5	ND<0.5	--	53.1	---	8.03	27.1	---	5.55	---	--	0.029	ND<5.0	26.9	ND<1.0	ND<1.0	ND<1.0	42.6	58.0	--
		B17-35	35	ND<1.0	6.85	62.3	ND<0.5	ND<0.5	--	43.1	---	6.06	23.5	---	1.56	---	--	0.051	ND<5.0	22.7	ND<1.0	ND<1.0	ND<1.0	38.0	53.8	--
B18	3/16/20	B18-5	5	ND<1.0	8.74	149	ND<0.5	ND<0.5	--	0.697	---	19.6	32.5	---	8.66	---	--	0.033	ND<5.0	36.8	ND<1.0	ND<1.0	ND<1.0	57.4	74.7	--
		B18-10	10	ND<1.0	7.05	178	ND<0.5	1.20	--	56.9	---	10.1	44.7	---	32.7	---	--	0.068	ND<5.0	38.1	ND<1.0	ND<1.0	ND<1.0	52.9	125	--
		B18-15	15	ND<1.0	9.78	178	ND<0.5	1.80	--	67.2	---	10.7	97.8	---	133	7.41	ND<0.01	0.131	ND<5.0	41.5	ND<1.0	1.17	ND<1.0	50.3	243	--
		B18-20	20	ND<10	18.7	541	ND<5	5.25	--	191	ND<0.040	18.6	539	4.06	1,210	28.0	ND<0.01	0.828	ND<50	967	ND<10	ND<10	ND<10	ND<50	1,940	--
		B18-25	25	ND<1.0	7.71	92.1	ND<0.5	ND<0.5	--	61.1	---	7.90	30.4	---	8.16	---	--	0.027	ND<5.0	28.4	ND<1.0	ND<1.0	ND<1.0	43.2	69.1	--
		B18-30	30	ND<1.0	6.99	97.0	ND<0.5	ND<0.5	--	67.3	---	8.24	34.8	---	5.52	---	--	0.038	ND<5.0	43.3	ND<1.0	ND<1.0	ND<1.0	56.8	82.7	--
		B18-35	35	ND<1.0	7.95	104	ND<0.5	ND<0.5	--	57.3	---	4.34	40.9	---	7.90	---	--	0.038	ND<5.0	19.7	ND<1.0	ND<1.0	ND<1.0	43.0	63.7	--
B19	3/16/20	B19-5	5	ND<1.0	3.06	111	ND<0.5	0.521	--	39.8	---	8.82	20.6	---	5.87	---	--	0.031	ND<5.0	14.1	ND<1.0	ND<1.0	ND<1.0	41.7	50.0	--
		B19-10	10	ND<1.0	7.35	144	ND<0.5	0.868	--	74.4	---	10.4	45.3	---	39.7	---	--	0.049	ND<5.0	40.0	ND<1.0	ND<1.0	ND<1.0	49.1	162	--
		B19-15	15	ND<10	15.4	450	ND<5	4.13	--	84.2	ND<0.040	10.6	354	ND<1	876	16.5	ND<0.01	0.576	ND<50	35.8	ND<10	ND<10	ND<10	ND<50	736	--
		B19-20	20	ND<1.0	8.54	243	ND<0.5	2.59	--	71.2	---	7.38	75.2	---	155	8.5	ND<0.01	0.513	ND<5.0	30.0	ND<1.0	1.30	ND<1.0	31.0	449	--
		B19-25	25	5.08	4.45	150	ND<0.5	1.31	--	26.6	---	4.50	87.8	---	217	8.95	0.364	0.334	ND<5.0	11.7	ND<1.0	ND<1.0	ND<1.0	17.8	214	--
		B19-30	30	ND<1.0	9.67	227	ND<0.5	2.72	--	71.1	---	8.90	220	---	172	7.18	ND<0.01	0.184	ND<5.0	29.1	ND<1.0	1.36	ND<1.0	35.7	367	--
		B19-35	35	ND<1.0	8.62	252	ND<0.5	3.13	--	68.8	---	8.98	130	---	219	11.0	0.038	0.253	ND<5.0	40.7	ND<1.0	1.49	ND<1.0	33.4	484	--
B20	3/16/20	B20-5	5	ND<1.0	3.49	92.5	ND<0.5	0.745	--	42.7	---	8.99	16.1	---	4.64	---	--	0.152	ND<5.0	19.3	ND<1.0	ND<1.0	ND<1.0	41.1	58.6	--
		B20-10	10	ND<10	15.6	368	ND<5	ND<5	--	86.0	ND<0.040	ND<10	245	---	308	8.55	0.012	0.170	ND<50	32.7	ND<10	ND<10	ND<10	ND<50	562	--
		B20-15	15	ND<1.0	5.86	160	ND<0.5	0.853	--	43.2	---	5.71	34.3	---	31.3	---	--	0.138	ND<5.0	14.9	ND<1.0	ND<1.0	ND<1.0	33.4	112	--
		B20-20	20	51.9	5.60	182	ND<5	ND<5	--	50.8	---	ND<10	126	---	1,710	23.1	0.047	0.358	ND<50	ND<25	ND<10	ND<10	ND<10	ND<50	291	--
		B20-25	25	ND<1.0	6.47	142	ND<0.5	1.06	--	76.8	---	8.54	84.7	---	90.1	6.51	0.023	0.126	ND<5.0	25.9	ND<1.0	ND<1.0	ND<1.0	33.7	197	--
		B20-30	30	ND<1.0	7.02	89.5	ND<0.5	ND<0.5	--	65.3	---	7.73	33.5	---	18.9	---	--	0.047	ND<5.0	26.8	ND<1.0	ND<1.0	ND<1.0	37.0	82.2	--
		B20-35	35	ND<1.0	6.20	95.9	ND<0.5	ND<0.5	--	64.4	---	6.44	31.0	---	5.07	---	--	0.047	ND<5.0	27.4	ND<1.0	ND<1.0	ND<1.0	34.8	64.9	--
B21	3/16-3/17/20	B21-5	5	ND<1.0	3.26	161	ND<0.5	ND<0.5	--	49.9	---	11.5	26.7	---	7.77	---	--	0.058	ND<5.0	13.0	ND<1.0	ND<1.0	ND<1.0	44.2	63.8	--
		B21-10	10	ND<1.0	ND<0.3	26.3	ND<0.5	ND<0.5	--	43.6	---	15.2	20.9	---	2.89	---	--	0.035	ND<5.0	20.2	ND<1.0	ND<1.0	ND<1.0	49.0	44.4	--
		B21-15	15	ND<1.0	7.46	248	ND<0.5	1.83	--	70.8	---	9.03	11.2	---	145	12.8	0.826	0.451	ND<5.0	36.5	ND<1.0	ND<1.0	ND<1.0	45.0	318	--
		B21-20	20	ND<1.0	7.64	156	ND<0.5	0.772	--	71.7	---	10.1	56.2	---	35.6	---	--	0.081	ND<5.0	27.4	ND<1.0	ND<1.0	ND<1.0	46.7	124	--
		B21-25	25	ND<1.0	8.93	179	ND<0.5	1.28	--	75.5	---	9.87	53.0	---	47.4	---	--	0.137	ND<5.0	27.2	ND<1.0	ND<1.0	ND<1.0	52.9	421	--
		B21-30	30	ND<1.0	5.36	265	ND<0.5	3.10	--	466	ND<0.040	12.6	86.1	---	163	---	--	0.200	9.70	263	ND<1.0	ND<1.0	ND<1.0	44.4	346	--
		B21-35	35	ND<1.0	5.93	113	ND<0.5	1.38	--	51.1	---	7.67	41.7	---	30.6	---	--	0.066	ND<5.0	18.8	ND<1.0	ND<1.0	ND<1.0	41.2	97.6	--
B22	3/17/20	B22-5	5	ND<1.0	6.39	142	ND<0.5	0.701	--	71.8	---	10.2	29.3	---	12.0	---	--	0.036	ND<5.0	22.2	ND<1.0	ND<1.0	ND<1.0	49.4	80.5	--
		B22-10	10	ND<10	ND<3	174	ND<5	ND<5	--	1,990	ND<0.040	43.8	284	1.22	81.9	8.22	0.14	0.165	ND<50	65.8	ND<10	ND<10	ND<10	ND<50	280	--
		B22-15	15	ND<1.0	6.87	301	ND<0.5	3.91	--	81.4	---	8.34	156	---	218	20.1	ND<0.01	0.171	13.9	41.2	ND<1.0	3.93	ND<1.0	29.6	815	--
		B22-20	20	ND<1.0	8.08	165	ND<0.5	1.76	--	95.4	---	13.6	100	---	206	7.38	0.050	0.333	10.3	58.8	ND1.0	ND<1.0	ND<1.0	26.5	344	--
		B22-25	25	ND<10	11.50	179	ND<5	0.588	--	93.0	---	16.1	44.7	---	8.34	---	--	0.044	ND<50	41.5	ND<10	ND<10	ND<10	64.6	93.0	--
		B22-30	30	ND<1.0	7.31	99.8	ND<0.5	0.503	--	58.4	---	11.2	28.3	---	6.36	---	--	0.035	ND<5.0	26.6	ND<1.0	ND<1.0	ND<1.0	42.0	62.7	--
		B22-35	35	ND<1.0	6.30	84.4	ND<0.5	ND<0.5	--	52.4	---	9.04	23.7	---	5.32	---	--	0.052	ND<5.0	22.2	ND<1.0	ND<1.0	ND<1.0	39.4	56.0	--
B23	3/17/20	B23-5	5	ND<1.0	2.15	172	ND<0.5	ND<0.5	--	60.4	---	12.8	28.6	---	4.45	---	--	0.061	ND<5.0	11.9	ND<1.0	ND<1.0	ND<1.0	49.1	67.5	--
		B23-10	10	ND<1.0	11.90	115	ND<0.5	0.530	--	63.2	---	8.43	20.2	---	4.15	---	--	0.035	ND<5.0	18.2	ND<1.0	ND<1.0	ND<1.0	53.4	55.0	--
		B23-15	15	ND<1.0	13.20	263	ND<0.5	2.57	--	87.0	---	11.3	484	0.435	262	17.4	0.053	0.162	ND<5.0	64.7	ND<1.0	4.42	ND<1.0	50.1	477.0	--
		B23-20	20	ND<1.0	5.53	96.7	ND<0.5	ND<0.5	--	57.0	---	7.00	30.7	---	4.70	8.82	ND<0.01	0.040	ND<5.0	31.8	ND<1.0	ND<1.0	ND<1.0	37.3	85.5	--
		B23-25	25	ND<1.0	7.31	120	ND<0.5	0.897	--	71.4	---	9.52	33.0	---	20.9	---	--	0.05	ND<5.0	29.4	ND<1.0	1.36	ND<1.0	60.4	106	--
		B23-30	30	ND<1.0	6.22	127	ND<0.5	1.67	--	66.2	---	7.26	905	0.234	99.0	---	ND<0.01	0.266	ND<5.0	41.6	ND<1.0	ND<1.0	ND<1.0	37.1	184	--
		B23-35	35	ND<1.0	7.99	202	ND<0.5	1.48	--	91.9	ND<0.040	11.1	73.0	---	98.1	---	--	0.484	ND<5.0	44.6	ND<1.0	ND<1.0	ND<1.0	49.0	349	--
B24	3/17/20	B24-5	5	ND<1.0	10.10	143	ND<0.5	ND<0.5	--	81.9	---	19.4	37.4	---	10.4	---	--	0.236	ND<5.0	79.8	ND<1.0	ND<1.0	ND<1.0	69.0	88.6	--
		B24-10	10	ND<1.0	8.02	210	ND<0.5	1.93	--	107	ND<0.040	11.4	91.6	---	93.2	---	--	0.137	7.42	111	ND<1.0	ND<1.0	ND<1.0	46.9	272	--
		B24-15	15	ND<10	9.54	179	ND<5	1.67	--	70.9	---	10.0	112.0	---	77.2	7.28	0.091	0.327	ND<50	34.4	ND<10	1.37	ND<10	49.6	397	--
		B24-20	20	ND<1.0	7.59	154	ND<0.5	2.26	--	59.0	---	7.70	87.5	---	88.7	8.08	ND<0.01	0.318	ND<5.0	34.2	ND<1.0	ND<1.0	ND<1.0	37.1	265	--
		B24-25	25	5.50	6.93	229	ND<0.5	1.68	--	92.4	---	17.1	236	---	1,690	39.5	ND<0.01	0.257	5.43	69.3	ND<1.0	1.27	ND<1.0	43.5	391	--
		B24-30	30	ND<1.0	27.4	163	ND<0.5	0.717	--	99.6	---	18.2	29.9	---	23.9	---	--	0.066	ND<5.0	25.9	ND<1.0	ND<1.0	ND<1.0	86.2	95.8	--
		B24-35	35	ND<1.0	9.69	120	ND<0.5	0.714	--	63.5	---	8.89	24.9	---	6.09	---	--	0.068	ND<5.0	24.8	ND<1.0	ND<1.0	ND<1.0	66.8	64.2	--

TABLE 4 - SOIL ANALYTICAL RESULTS TO DATE FOR METALS

				Title 22 Metals (mg/kg)																						
Boring Number	Date Sampled	Sample ID	Depth (feet bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	STLC Soluble Cadmium	Total Chromium	Chrome VI	Cobalt	Copper	STLC Soluble Copper	Lead	STLC Soluble Lead	TCLP Soluble Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Soluble Zinc
B25	3/17/20	B25-5	5	ND<1.0	**8.15**	**129**	ND<0.5	**0.504**	--	**71.9**	---	**10.7**	**32.1**	---	**8.52**	---	--	**0.056**	ND<5.0	**29.3**	ND<1.0	ND<1.0	ND<1.0	**58.3**	**75.7**	--
		B25-10	10	ND<1.0	**9.77**	**92.0**	ND<0.5	**0.958**	--	**54.5**	---	**7.07**	**21.9**	---	**3.80**	---	--	**0.063**	ND<5.0	**18.1**	ND<1.0	ND<1.0	ND<1.0	**61.6**	**53.8**	--
		B25-15	15	ND<1.0	**12.5**	**284**	ND<0.5	**3.99**	--	**70.3**	---	**8.03**	**153.0**	---	**251**	---	--	**0.516**	ND<5.0	**27.8**	ND<1.0	**2.19**	ND<1.0	**33.4**	**391**	--
		B25-20	20	ND<1.0	**6.55**	**243**	ND<0.5	**2.77**	--	**56.1**	---	**7.42**	**129**	---	**149**	**7.37**	ND<0.01	**0.367**	ND<5.0	**18.7**	ND<1.0	**1.78**	ND<1.0	**38.4**	**1,540**	--
		B25-25	25	ND<1.0	**11.2**	**291**	ND<0.5	**4.00**	--	**96.2**	ND<0.040	**9.46**	**191**	---	**198**	**7.17**	**0.233**	**0.517**	ND<5.0	**50.0**	ND<1.0	**1.52**	ND<1.0	**45.6**	**859**	--
B25	3/17/20	B25-30	30	ND<1.0	**9.50**	**141**	ND<0.5	**1.47**	--	**69.0**	---	**8.43**	**34.6**	---	**115**	---	--	**0.129**	ND<5.0	**34.8**	ND<1.0	ND<1.0	ND<1.0	**46.1**	**171**	--
		B25-35	35	ND<1.0	**7.90**	**143**	ND<0.5	**1.12**	--	**69.2**	---	**8.76**	**28.8**	---	**31.4**	---	--	**0.199**	ND<5.0	**38.5**	ND<1.0	ND<1.0	ND<1.0	**59.9**	**97.4**	--
REGULATORY SCREENING LEVELS																										
Human Health Criteria			**DTSC - SL**	NA	0.36	NA	210	7	NA	170,000	N	NA	NA	NA	320	NA	NA	4.5	NA	3,100	NA	1,500	NA	1,000	NA	NA
			EPA-RSL	470	3.00	220,000	2,300	980	NA	NA	N	350	47,000	NA	800	NA	NA	4.6	5,800	NA	5,800	5,800	12	5,800	350,000*	NA
Waste Disposal Criteria			**TTLC**	500	500	10,000	75	100	NA	2,500	NA	8,000	2,500	NA	1,000	NA	NA	20	3,500	2,000	100	500	700	2,400	5,000	NA
			STLC	NA	NA	NA	NA	NA	1	NA	5	NA	NA	25	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
			TCLP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background for Arsenic				NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Sample ID - sample identification
ND - analyte not detected at or above the laboratory practical quantitation limit (PQL).
Title 22 metals analyzed in general accordance with EPA Method No. 6010B/7471A
mg/kg - milligrams per kilogram
Chrome VI - Hexavalent Chromium analyzed in general accordance with EPA Method No. 218.6
-- - not analyzed
NA - not applicable / available
DTSC-SL - California Department of Toxic Substances Control, Human and Ecological Risk Office, Note 3, Screening Levels for Commercial Land Use, dated November 2019
EPA-RSLr - EPA Region 9, Regional Screening Levels for Commercial Land Use, dated November 2019
TTLC - total threshold limit concentration
STLC - California soluble threshold limit concentration
TCLP - Federal toxicity characteristic leaching procedure
Background for Arsenic - Concentration of arsenic acceptable to the DTSC for soils at Los Angeles Unified School District Properties, dated June 2005
= Exceeds Health Based Screening Level or Background
= Exceeds California Waste Disposal Criteria

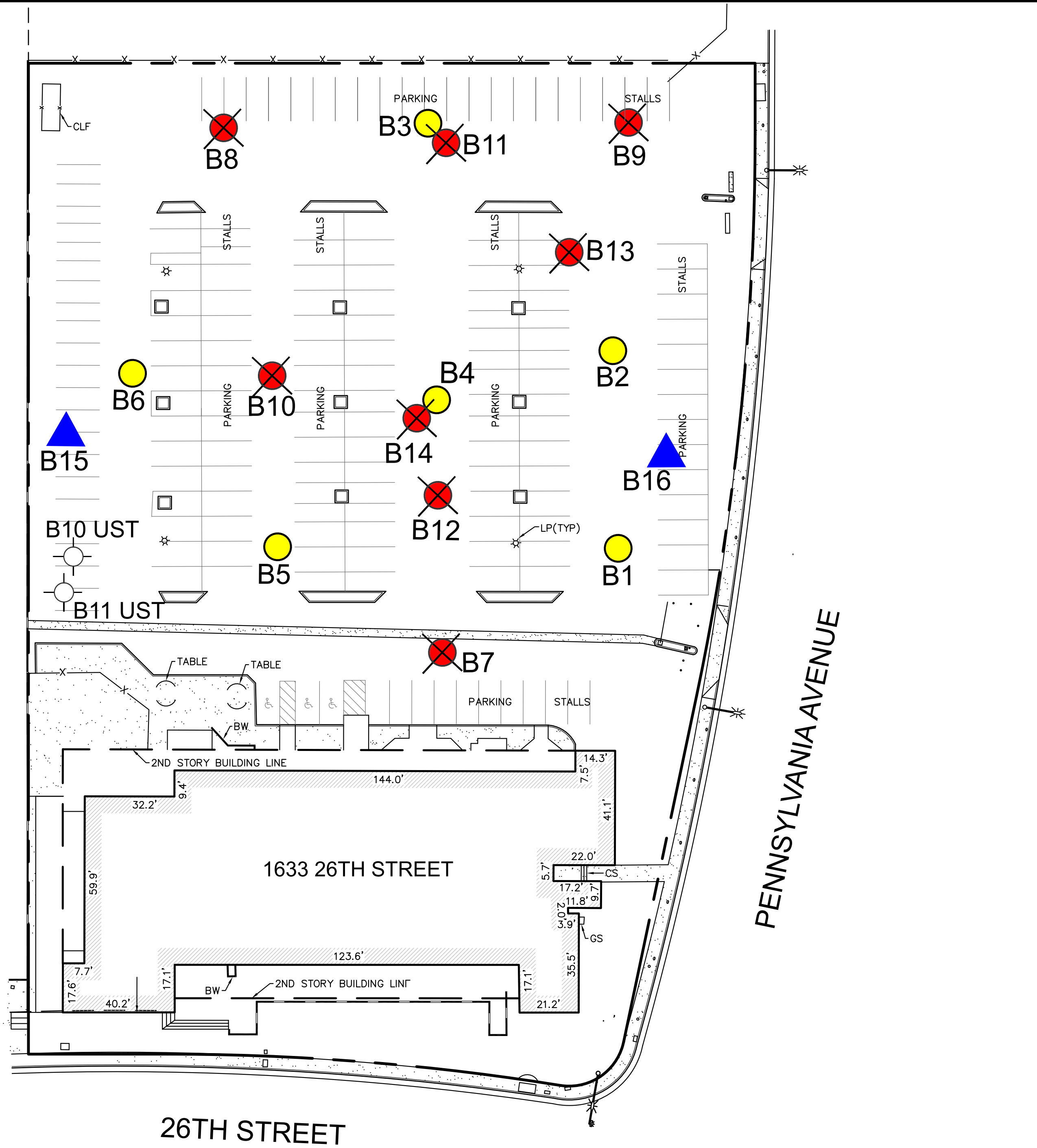


N

NO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. 100952006	SITE LOCATION MAP	FIGURE 1
	DATE 05/20	1633 26TH STREET SANTA MONICA, CALIFORNIA	

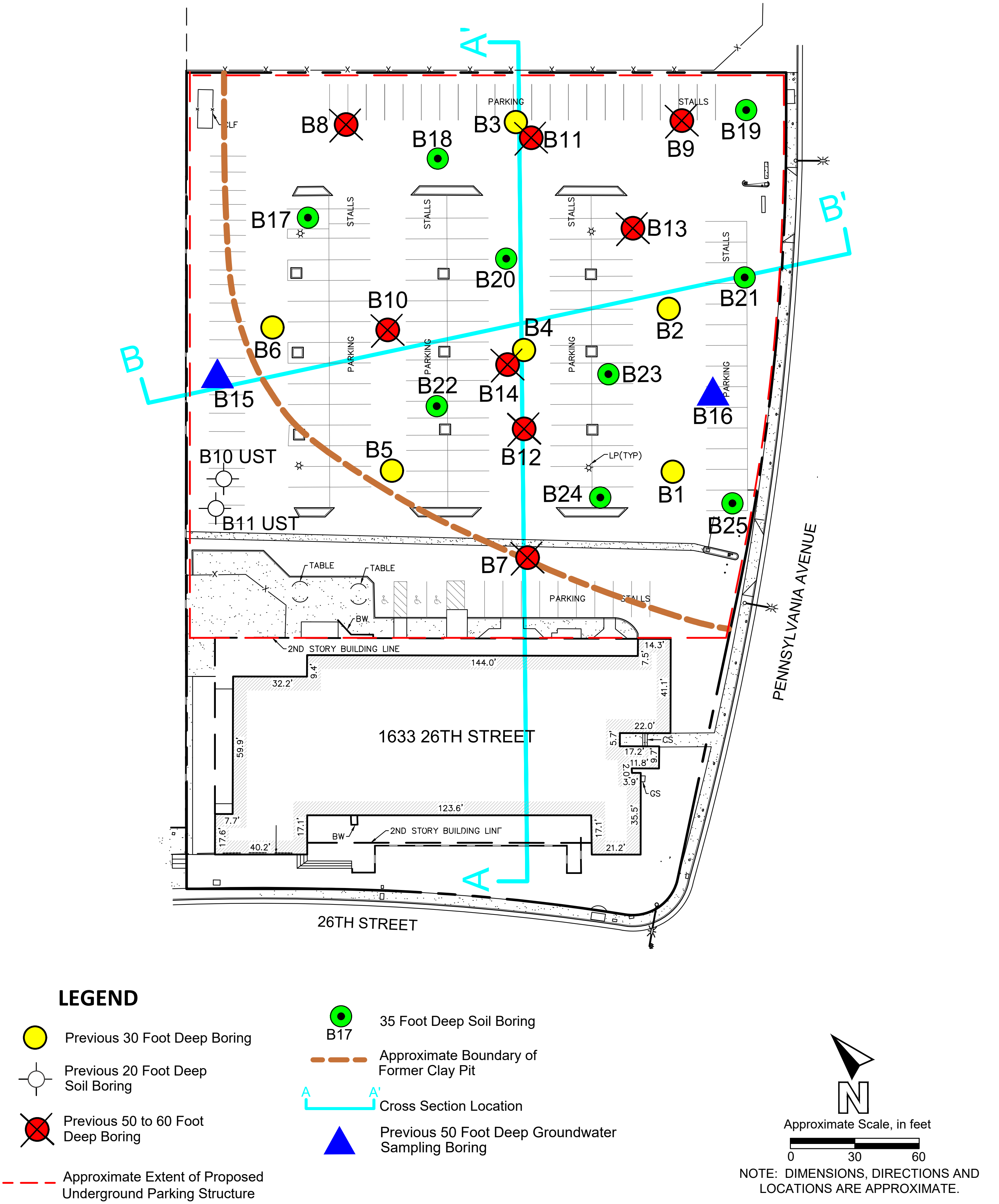


NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

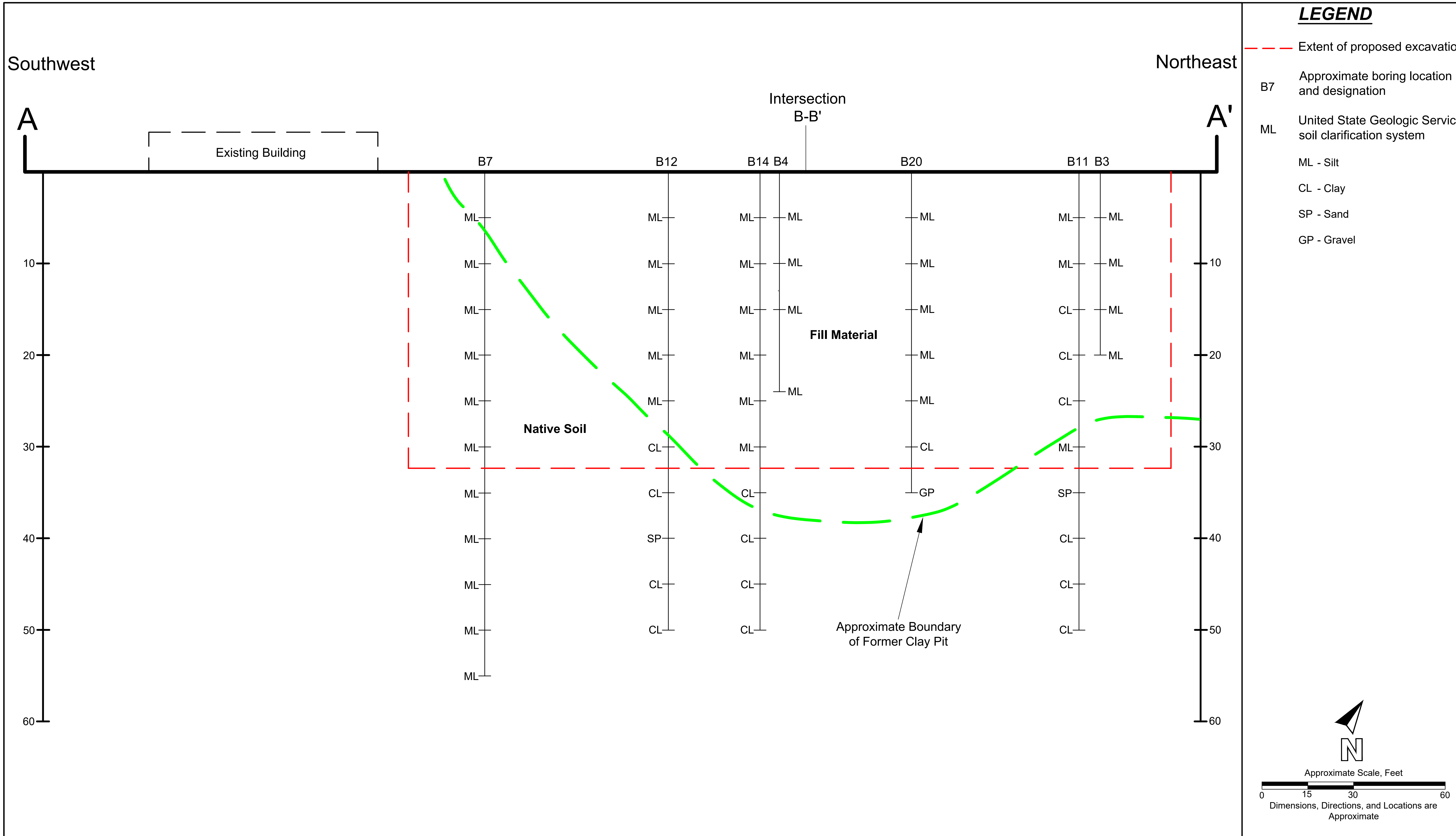
- Previous 30 Foot Deep Boring
- Previous 20 Foot Deep Soil Boring
- Previous 50 Foot Deep Groundwater Sampling Boring
- Previous 50 to 60 Foot Deep Boring

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. **100952006**	**SITE LAYOUT WITH PREVIOUS BORINGS**	FIGURE 2
	DATE **05/20**	1633 26TH STREET SANTA MONICA, CALIFORNIA	

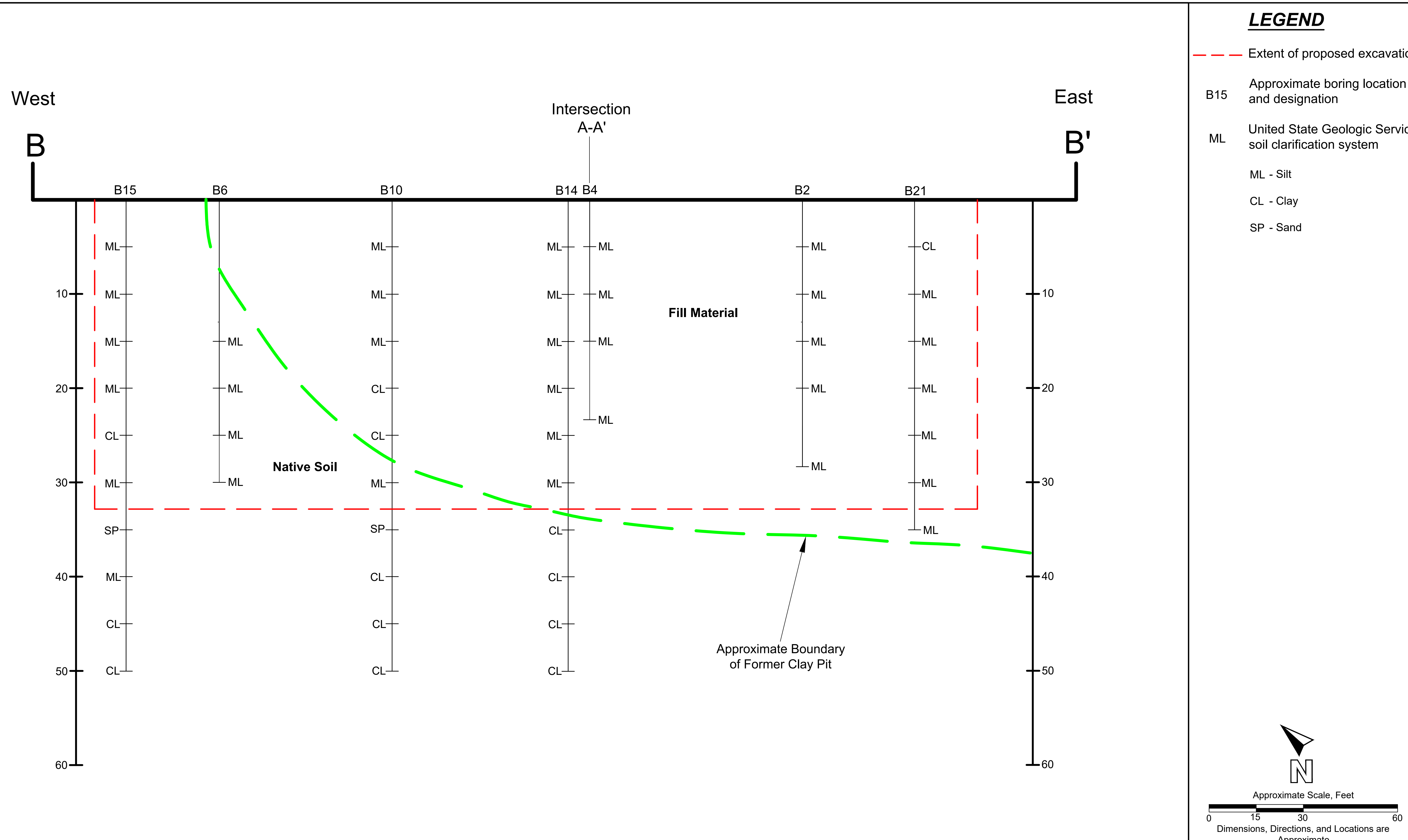


ARDENT ENVIRONMENTAL GROUP, INC.

PROJECT NO.	BORING LOCATION MAP	FIGURE
100952006		3
DATE	1633 26TH STREET SANTA MONICA, CALIFORNIA	
05/20		



ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. 100952006	SOIL LITHOLOGY CROSS-SECTION A-A'	FIGURE 4
	DATE 05/20	1633 26TH STREET SANTA MONICA, CALIFORNIA	



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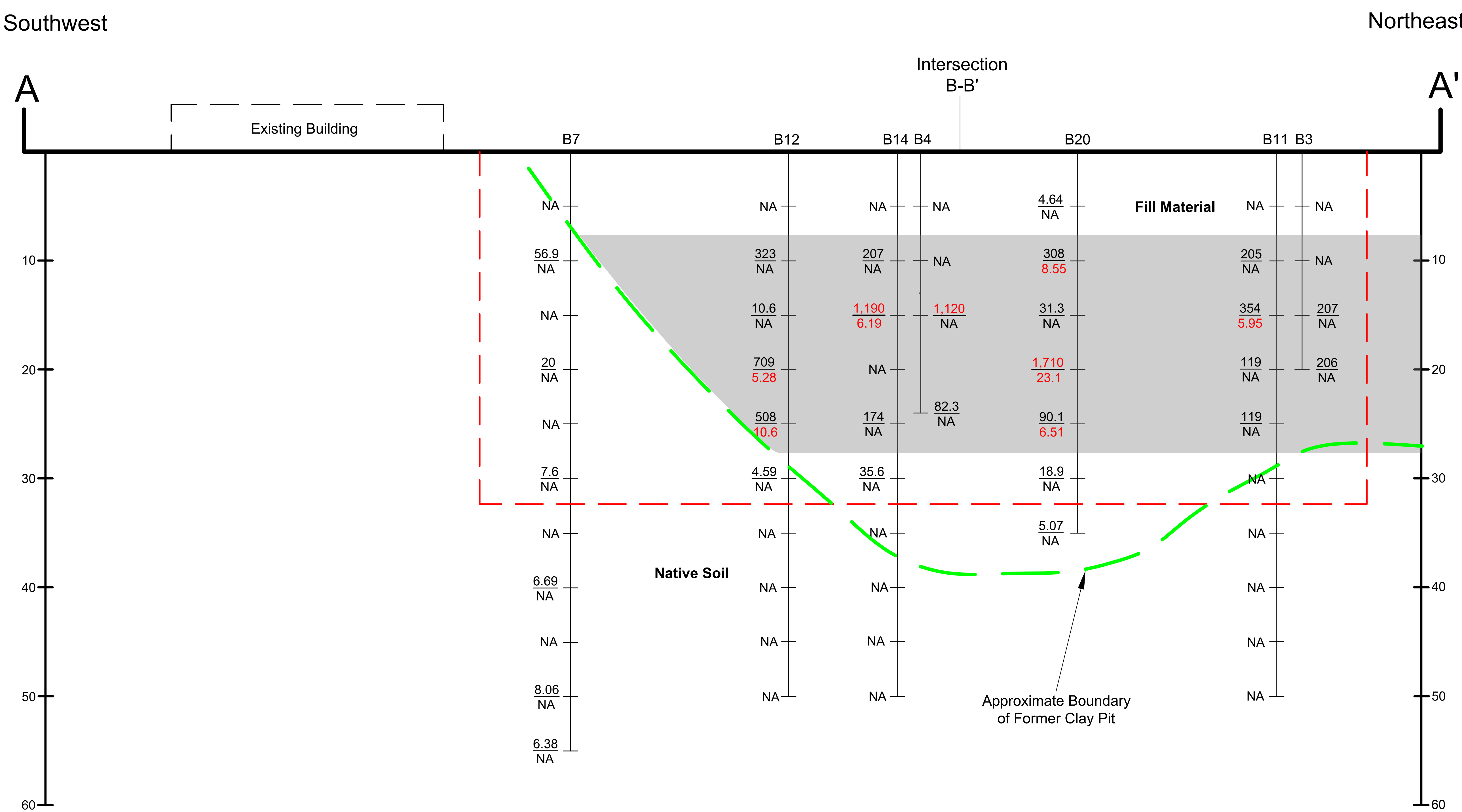
PROJECT NO.	SOIL LITHOLOGY CROSS-SECTION B-B'	FIGURE
100952006		5
DATE	1633 26TH STREET SANTA MONICA, CALIFORNIA	
05/20		



LEGEND

Extent of proposed excavation

B7 — Approximate boring location and designation

56.9 / NA — Total Lead Concentration / STLC Soluble Lead Concentration

Results reported in milligrams per kilogram

5.28 — Concentration detection exceeds non-hazardous waste disposal criteria

Approximate extent of California hazardous soil

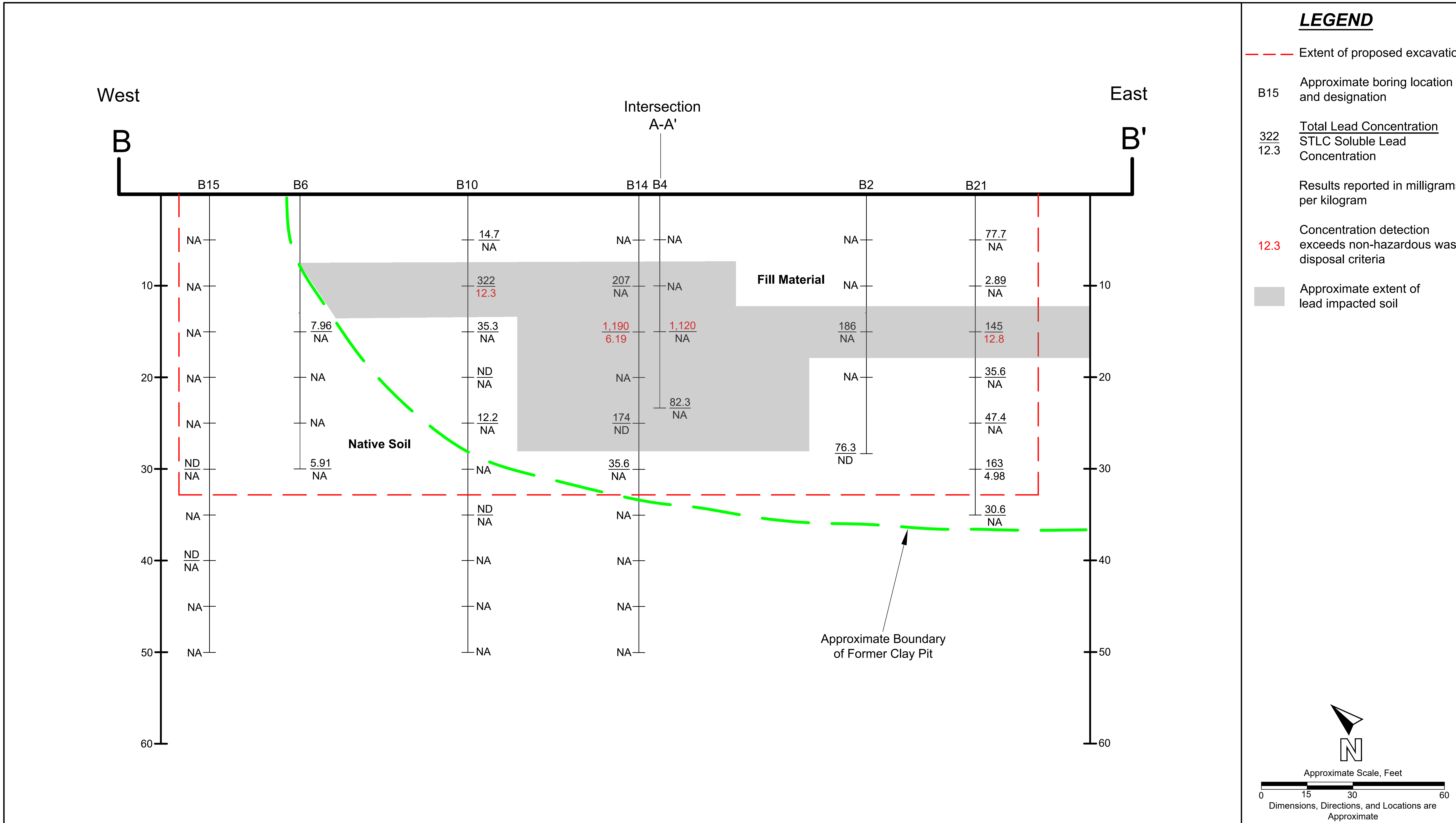
N

Approximate Scale, Feet

0 15 30 60

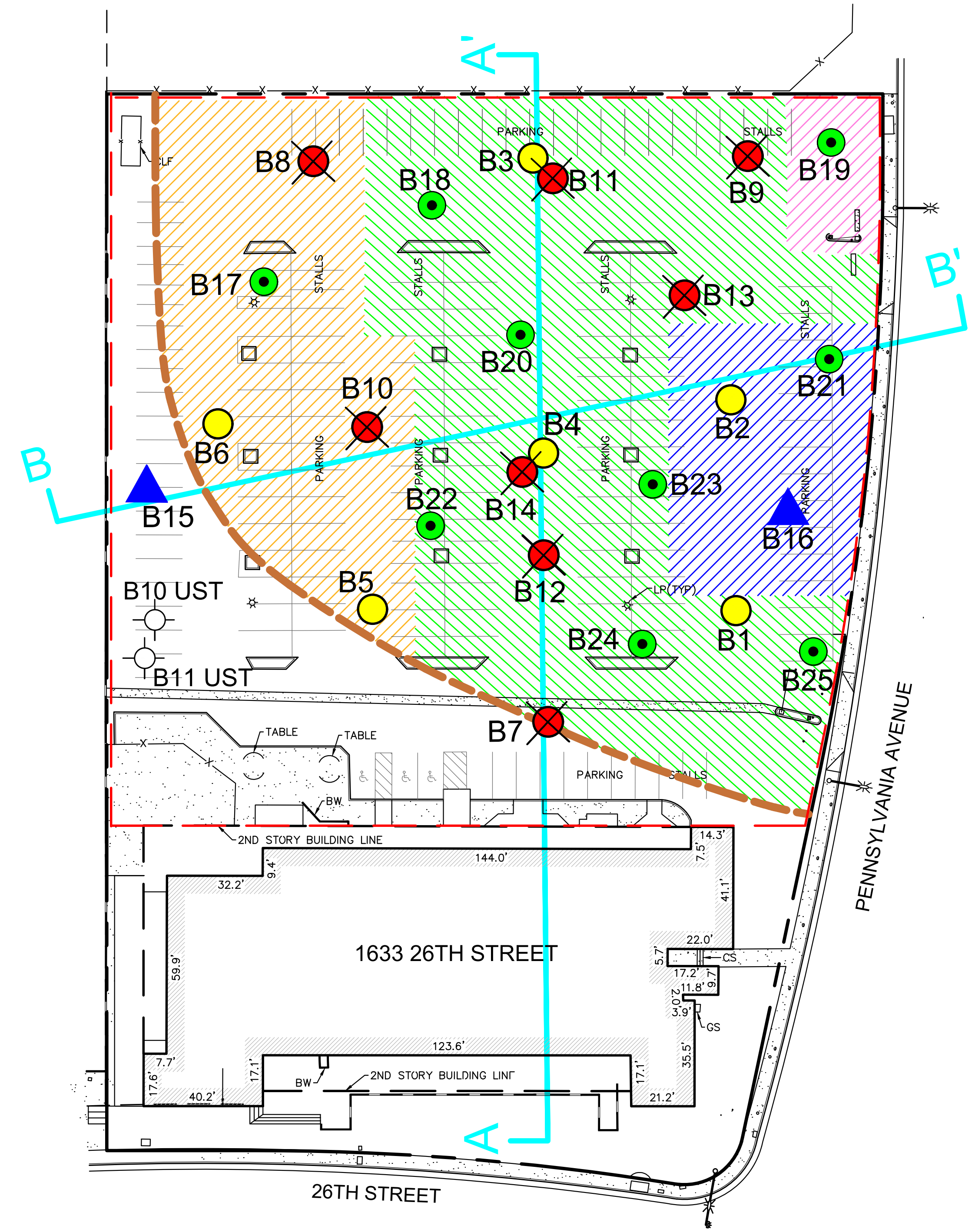
Dimensions, Directions, and Locations are Approximate

ARDENT ENVIRONMENTAL GROUP, INC.	PROJECT NO. 100952006	CROSS-SECTION A-A' WITH LEAD ANALYTICAL RESULTS	FIGURE 6
	DATE 05/20	1633 26TH STREET SANTA MONICA, CALIFORNIA	



ARDENT ENVIRONMENTAL GROUP, INC.

PROJECT NO.	CROSS-SECTION B-B' WITH LEAD ANALYTICAL RESULTS	FIGURE
100952006		7
DATE	1633 26TH STREET SANTA MONICA, CALIFORNIA	
05/20		



LEGEND

- Previous 30 Foot Deep Boring
- Previous 20 Foot Deep Soil Boring
- Previous 50 to 60 Foot Deep Boring
- B17 35 Foot Deep Soil Boring
- Previous 50 Foot Deep Groundwater Sampling Boring
- Approximate Extent of Proposed Underground Parking Structure
- Approximate Boundary of Former Clay Pit
- A A' Cross Section Location
- California Hazardous Soil From Approximately 7.5 to 12.5 Feet Below the Ground Surface (bgs)
- California Hazardous Soil From Approximately 7.5 to 27.5 Feet (bgs)
- California Hazardous Soil From Approximately 12.5 to 17.5 Feet (bgs)
- California Hazardous Soil From Approximately 12.5 to 35 Feet (bgs)

N

Approximate Scale, in feet

0 30 60

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

ARDENT ENVIRONMENTAL GROUP, INC.

PROJECT NO.	DISTRIBUTION OF CALIFORNIA HAZARDOUS SOIL	FIGURE
100952006		8
DATE	1633 26TH STREET SANTA MONICA, CALIFORNIA	
05/20		

APPENDIX A

FIELD PROCEDURES

APPENDIX A

FIELD PROCEDURES

Drilling and Soil Sampling Procedures

1. The borings were drilled using a truck-mounted drill rig equipped with nominal 8-inch hollow-stem augers. Drilling services will be provided by a State-licensed drilling contractor.
2. The augers, rods and sampling equipment were cleaned prior to the drilling.
3. Soil descriptions, in general accordance with the Unified Soil Classification System, sample type and depth, and related drilling information, were recorded on a boring log under the supervision of a State-Professional Geologist from Ardent Environmental Group, Inc.
4. Soil cuttings from the drilling operations were stored on-site in Department of Transportation (DOT)-approved 55-gallon drums, pending disposal disposition. The drums were labeled with the boring designation from which the soil was collected, date, and project number.
5. Unless specified, soil samples were collected using a split-barrel modified California sampler at approximately 5 feet below the ground surface (bgs) and at approximate 5-foot-depth intervals thereafter and continue to the bottom of the boring.
6. The sampler was washed between sampling intervals, using a bristle brush, with an Alconox solution (an inorganic detergent); followed by two tap water rinses. The sampler was dried by air or with a paper towel prior to being used for sampling.
7. Soil samples were collected (at each sample interval) in stainless-steel sleeve inside the sampler.
8. Following retrieval of the sampler, the first 6-inch portion of the sleeve from the sampler was removed; the ends covered with Teflon and capped with PVC end caps. The samples were labeled with the sample number, collection date, and project number and will be retained for potential laboratory analysis.
9. The soil in the second 6-inch portion of the sleeve from the sampler was used to describe the soil and measure organic vapors using a Photoionization Detector (PID) equipped with an 11.7 elctronvolt (eV) bulb. Approximately half of the remaining soil in the sleeve was removed and placed in a Ziploc bag. The bag was then agitated and set aside for approximately 15 to 30 minutes to allow organic vapors, if present, to accumulate in the void space (headspace) of the sample bag. The headspace was then measured for organic vapors using the PID.
10. The borings were backfilled with cement/bentonite grout to near the ground surface. The borings were resurfaced with concrete.

APPENDIX B

BORING LOGS

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/ FOOT	SAMPLE ID	ORGANIC VAPORS (ppm)	SYMBOL	CLASSIFICATION U.S.C.C.	BORING LOG EXPLANATION SHEET
0								Bulk sample.
								Modified split-barrel drive sampler.
								No recovery with modified split-barrel drive sampler.
								Continuous push 2.25-inch O.D. (1.5-inch I.D.) sampler.
								No recovery with a continuous push sampler.
5			XX/XX					Continuous push 1.5-inch O.D. (1.0-inch I.D.) sampler.
								Hand auger or logged soil cuttings.
10								
							SM	ALLUVIUM: Solid line denotes actual change.
								Dashed line denotes approximate change.
15								Groundwater encountered during drilling.
								Groundwater measured after drilling.
20								The total depth line is a solid line that is drawn at the bottom of the boring

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BORING LOG

EXPLANATION OF BORING LOG SYMBOLS

PROJECT NO.	DATE	FIGURE

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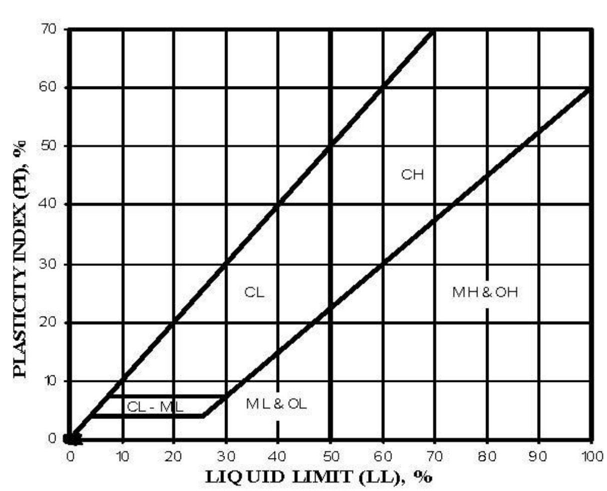
U.S.C.S. METHOD OF SOIL CLASSIFICATION

MAJOR DIVISIONS		SYMBOL		TYPICAL NAMES
COARSE-GRAINED SOILS (More than 1/2 of soil > No. 200 sieve size)	**GRAVELS (More than 1/2 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 1/2 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 1/2 of soil < No. 200 sieve size)	**SILTS & CLAYS Liquid limit < 50**		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fined sands or clayey silts
			CL	Inorganic clays of low to medium plasticity gravelly clays, sandy clays, silty clays, lean
			OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS Liquid limit > 50		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils

GRAIN SIZE CHART

CLASSIFICATION	RANGE OF GRAIN SIZE: U.S. Standard Sieve Size	RANGE OF GRAIN 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"	73.2 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 & Clay	Below No. 200	Below 0.075

PLASTICITY



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BORING NUMBER B17

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				SM	2.0	(SM) Moderate yellowish brown (10 YR 5/4), damp, silty fine SAND.
				ML		(ML) Moderate olive brown (5 Y 4/4), damp, very stiff, clayey SILT, with trace fine gravel and pieces of brick.
5	B17-5		0.0			
10	B17-10	7-15-18 (33)	0.0			Becomes hard at 9 feet.
15	B17-15	10-12-15 (27)	34.2		18.0	
				CL		(CL) Moderate olive brown (5 Y 4/4), damp, very stiff, silty CLAY, with slight petroleum hydrocarbon odor noted.
20	B17-20	10-13-16 (29)	50.9		20.0	

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BORING NUMBER B17

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				CL		(CL) Moderate olive brown (5 Y 4/4), damp, very stiff, silty CLAY, with slight petroleum hydrocarbon odor noted. (Continued)
25	B17-25	14-14-18 (32)	326.1	CL		Becomes hard at 24 feet.
					28.0	(ML) Alluvium. Yellowish gray (5 Y 7/2), damp, hard, sandy SILT, with trace fine gravel.
30	B17-30	10-25-50 (75)	248.0	ML		
					32.0	(SP) Dark yellowish brown (10 YR 4/2), damp, hard, medium to coarse SAND, with trace fine gravel.
35	B17-35	11-50-50 (100)	585.1	SP	35.0	

- No groundwater encountered.
- Some petroleum hydrocarbon odor noted at 20 feet.
- No petroleum hydrocarbon staining noted.
- Bottom of borehole at 35.0 feet.

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BORING NUMBER B18

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				SM		(SM) Fill. Moderate yellowish brown (10 YR 5/4), damp, silty fine SAND, with some fine gravel.
					4.0	(ML) Moderate olive brown (5 Y 4/4), damp, very stiff, clayey SILT, with trace fine gravel and brick.
5	B18-5		0.0	ML		
					8.0	(SP) Dark gray (N3), damp, very dense, coarse SAND, with some fine gravel and red brick.
10	B18-10	10-27-50 (77)		SP		Petroleum hydrocarbon odor noted at 11 feet.
					12.0	(ML) Fill. Dark gray (N3), damp, hard, clayey SILT, with some fine gravel, brick, and debris, slight petroleum hydrocarbon odor noted.
15	B18-15	15-50-50 (100)		ML		
20	B18-20	10-30-50 (80)			20.0	

(Continued Next Page)

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BORING NUMBER B18

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Fill. Gray (N3), damp, hard, clayey SILT, with some gravel, brick, and debris, slight petroleum hydrocarbon odor noted. (Continued)
25	B18-25	10-35-50 (85)				
					28.0	
30	B18-30	10-45-50 (95)		CL		(CL) Moderate olive brown (5 Y 4/4), damp, hard, silty CLAY, with some fine gravel.
35	B18-35				35.0	

- No groundwater encountered.
- Fill noted from 8 to 28 feet.
- Stained and odorous soil noted from 8 to 28 feet.
- PID not used due to rain.
- Bottom of borehole at 35.0 feet.

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BORING NUMBER B19

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				CL		(CL) Moderate olive brown (5 Y 4/4), damp, stiff, silty CLAY, with trace fine gravel.
5	B19-5		0.0			Becomes moderate yellowish brown (10 YR 5/4) at 5 feet.
					9.0	
10	B19-10	10-12-23 (35)	0.0	ML		(ML) Fill. Dark gray (N3), hard, clayey SILT, with some fine gravel, brick, and organic debris.
15	B19-15	17-35-26 (61)	43.3			Petroleum hydrocarbon odor noted at 14 feet.
20	B19-20	25-25-40 (65)	0.0		20.0	Becomes moist at 20 feet.

(Continued Next Page)

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BORING NUMBER B19

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Fill. Dark gray (N3), hard, clayey SILT, with some fine gravel, brick, and organic debris, petroleum hydrocarbon odor noted. (Continued)
25	B19-25	10-30-50 (80)	0.0			
30	B19-30	9-37-50 (87)	0.0			
35	B19-35	9-37-50 (87)	0.0		35.0	

- No groundwater encountered.
- Some petroleum hydroarbon odor noted at 20 feet.
- No petroleum hydrocarbon staining noted.
- Bottom of borehole at 35.0 feet.

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BORING NUMBER B20

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				ML		(ML) Fill. Moderate olive brown (5 Y 4/4), damp, stiff, clayey SILT, with trace gravel and brick.
5	B20-5					
10	B20-10	8-12-12 (24)	53.3			Becomes dark gray (N3), very stiff, slight petroleum hydrocarbon odor noted, some brick and organic debris noted at 10 feet.
						Becomes hard at 13 feet.
15	B20-15	9-35-50 (85)	11.0			
20	B20-20	10-50-50 (100)	0.0		20.0	

(Continued Next Page)

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BORING NUMBER B20

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/16/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Dark gray (N3), damp, hard, clayey SILT, slight petroleum hydrocarbon odor, some brick and organic debris noted. (Continued)
25	B20-25	10-25-50 (75)	0.0			
					28.0	
				CL		(CL) Moderate olive brown (5 Y 4/4), damp, hard, silty CLAY, with minor fine gravel.
30	B20-30	9-30-50 (80)	0.0			
					32.0	
				GP		(GP) Moderate olive brown (5 Y 4/4), very dense, gravely SAND.
35	B20-35	9-32-50 (82)	11.7		35.0	

- No groundwater encountered.
- Stained and odorous soil noted from 9 to 20 feet.
- Bottom of borehole at 35.0 feet.

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BORING NUMBER B21

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				CL		(CL) Fill. Moderate olive brown (5 Y 4/4), moist, stiff, silty CLAY, with trace fine gravel.
5	B21-5		0.0			
					9.0	(ML) Fill. Dark gray (N3), damp, hard, clayey SILT, with some fine gravel, brick, and organic debris.
10	B21-10	20-23-30 (53)	0.0			
						Petroleum hydrocarbon odor noted at 13 feet.
15	B21-15	21-31-50 (81)	0.0	ML		
20	B21-20	21-30-50 (80)			20.0	

(Continued Next Page)

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BORING NUMBER B21

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/16/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Fill. Dark gray (N3), damp, hard, clayey SILT, with some fine gravel, brick, and organic debris. (Continued)
25	B21-25	25-32-45 (77)	0.0			
30	B21-30	30-30-35 (65)	0.0			
35	B21-35	35-30-50 (80)	0.0		35.0	

• No groundwater encounterred.
• Stained and odorous soil noted from 9 to 35 feet.
• Bottom of borehole at 35.0 feet.

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BORING NUMBER B22

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				ML		(ML) Moderate olive brown (5 Y 4/4), damp, clayey SILT, with trace fine gravel.
5	B22-5		0.0			
10	B22-10	20-25-36 (61)	0.1			Becomes dark gray (N3), hard, with some fine gravel, brick, and organic debris at 9 feet.
15	B22-15	18-26-37 (63)	0.0			
20	B22-20	42-47-30 (77)	0.2		20.0	

(Continued Next Page)

Ardent Environmental Group, Inc.
1827 Capital Street, Suite 103
Corona, California 92880
Telephone: 951-736-5334
Fax: 951-736-7560

BORING NUMBER B22

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Dark gray (N3), hard, with some fine gravel, brick, and organic debris. (Continued)
						Becomes moderate olive brown (5 Y 4/4), moist, with trace fine gravel at 22 feet.
25	B22-25	45-40-45 (85)	0.0			
30	B22-30	40-40-45 (85)	0.0			Some fine gravel and sand noted, with some slight solvent odor noted at 30 feet.
35	B22-35	10-50-50 (100)	0.0		35.0	

- No groundwater encountered.
- Petroleum hydrocarbon odor noted from 10 to 22 feet.
- Bottom of borehole at 35.0 feet.

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Fax: 951-736-7560

BORING NUMBER B23

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.3	3 inches ASPHALT.
				ML		(ML) Moderate yellowish brown (10 YR 4/5), damp, clayey SILT, with minor fine gravel.
5	B23-5		0.0			
						Becomes moderate olive brown (5 Y 4/4) at 6 feet.
						Becomes hard at 8 feet.
10	B23-10	20-25-32 (57)	0.0			
						Becomes dark gray (N3), petroleum hydrocarbon odor noted at 11 feet.
15	B23-15	33-40-50 (90)	0.0			
20	B23-20	18-30-50 (80)	0.0		20.0	

(Continued Next Page)

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BORING NUMBER B23

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20				ML		(ML) Dark gray (N3), hard, clayey SILT, with minor fine gravel. (Continued)
25	B23-25	18-30-50 (80)	0.0			
30	B23-30	18-18-50 (68)	0.0			
35	B23-35	18-15-50 (65)				35.0

- No groundwater encountered.
- Stained and odorous soil noted from 11 to 35 feet.
- Bottom of borehole at 35.0 feet.

Ardent Environmental Group, Inc.
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BORING NUMBER B24

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.3	3 inches ASPHALT.
			SM		(SM) Fill. Moderate yellowish brown (10 YR 5/4), damp, silty fine SAND, with trace fine gravel.
				4.0	(ML) Moderate olive brown (5 Y 4/4), damp, clayey SILT, with trace fine gravel.
5	B24-5		ML		
	B24-10	22-33-50 (83)		9.0	(CL) Moderate olive brown (5 Y 4/4), damp, hard, silty CLAY, with trace fine gravel.
10			CL		
				13.0	(ML) Fill. Dark gray (N3), damp, hard, clayey SILT, with some fine gravel, brick, and organic debris.
15	B24-15	50-50-5 (55)	ML		
					Slight petroleum hydrocarbon odor noted at 16 feet.
20	B24-20	50-50-50 (100)		20.0	

(Continued Next Page)

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BORING NUMBER B24

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20			ML		(ML) Dark gray (N3), damp, hard, clayey SILT with some fine gravel, brick, and organic debris, with slight petroleum hydrocarbon odor noted. (Continued)
					Metal and glass debris noted at 22 feet.
25	B24-25	16-25-33 (58)			
30	B24-30	15-20-27 (47)			
35	B24-35	15-15-40 (55)		35.0	

- No groundwater encountered.
- Petroleum hydrocarbon odor noted from 16 to 35 feet.
- Photoionization detector not in use due to heavy rain.
- Bottom of borehole at 35.0 feet.

Ardent Environmental Group, Inc.
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BORING NUMBER B25

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.3	3 inches ASPHALT.
			CL		(CL) Fill. Dark yellowish orange (10 YR 6/6), moist, silty CLAY.
				4.0	(ML) Moderate olive brown (5 Y 4/4), moist, hard, silty CLAY, with trace fine gravel.
5	B25-5				
					Becomes dark gray (N3), hard, with some fine gravel, brick, glass, and debris noted, slight petroleum hydrocarbon odor noted at 8 feet.
10	B25-10	13-15-25 (40)			
			ML		
					Petroleum hydrocarbon odor no longer noted at 14 feet. Dark gray (N3) soil removed.
15	B25-15	20-20-19 (39)			
					Petroleum hydrocarbon odor and metal debris noted at 19 feet.
20	B25-20	20-32-40 (72)		20.0	

(Continued Next Page)

Ardent Environmental Group, Inc.
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Telephone: 951-736-5334
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BORING NUMBER B25

CLIENT Kilroy Realty
PROJECT NAME Kilroy - 1633 26th St, Santa Monica, CA
PROJECT NUMBER 100952006
PROJECT LOCATION 1633 26th Street, Santa Monica, CA
DATE STARTED 3/17/20 **COMPLETED** 3/17/20
GROUND ELEVATION **HOLE SIZE** 8-inches
DRILLING CONTRACTOR M & R Drill Co.
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger/Hollow Stem Auger
AT TIME OF DRILLING ---
LOGGED BY Jon Anderson **CHECKED BY** Paul Roberts
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20			ML		(ML) Dark gray (N3), hard, silty CLAY, petroleum hydrocarbon odor and metal debris noted. (Continued)
25	B25-25	25-32-50 (82)			
					Petroleum hydrocarbon odor and metal debris no longer noted at 28 feet.
30	B25-30	25-23-50 (73)			
					Cobbles noted at 33 feet.
35	B25-35	50-50-50 (100)		35.0	

- No groundwater encountered.
- Petroleum hydrocarbon odor noted from 8 to 14 feet and 19 to 28 feet.
- Photoionization detector not in use due to heavy rain.
- Bottom of borehole at 35.0 feet.

APPENDIX C

LABORATORY REPORTS

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 6, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **additional analytical results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/06/20

HEXAVALENT CHROMIUM (CHROMIUM VI) ANALYSIS
METHOD: EPA 3060A/7199
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	RESULT	DF
B17-25	200316-79	ND	1
B18-20	200316-85	ND	1
B19-15	200316-91	ND	1
B20-10	200316-97	ND	1
METHOD BLANK	---	ND	1
	PQL	0.040	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 Fax (909)590-5907

Matrix: SOLID/SLUDGE/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg					0.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm					0.0%	0-20
pH	pH units					0.00%	0-20
TDS	mg/L					0.0%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms					0.0%	0-20
% MOISTURE	%					0.0%	0-20
BTU	BTU/lb					0.0%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference **ACP %RPD** = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg				0	0	80-120					#VALUE!
Ammonia as N	mg/Kg			50.0	0.000	0-20	80-120					#VALUE!
MBAS	mg/Kg			6.00	0.0	0-20	80-120					#VALUE!
Chloride	mg/Kg			200	20.0	0-20	80-120					#VALUE!
COD	mg/Kg			500	0.0	0-20	80-120					#VALUE!
Cr VI	mg/Kg	4/1/2020	200327-12	4.00	0.00	0-20	80-120	3.47	87%	3.54	89%	1.8%
Cyanide	mg/Kg			10.0	0.0	0-20	80-120					#VALUE!
Fluoride	mg/Kg			10.0	0.000	0-20	80-120					#VALUE!
Nitrate as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Nitrite as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Oil and Grease	mg/Kg			667	0	0-20	80-120					#VALUE!
PHOSPHATE	mg/Kg			100.0	0.0	0-20	80-120					#VALUE!
Sulfate	mg/Kg			200	0.00	0-20	80-120					#VALUE!
Sulfide	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
TRPH	mg/kg			667	0.0	0-20	80-120					#VALUE!
Sulfide, Reactive	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
EPA 1664A	mg/Kg			500	0	0-20	80-120					#VALUE!

S.R. = Sample Results **%RC** = Percent Recovery **ACP %RC** = Accepted Percent Recovery

Analyst Signature: ______

Final Reviewer: ______

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
MATRIX: SOIL
DATE EXTRACTED: 03/31/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 03/31/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 04/06/20

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
B17-30	200316-80	ND	ND	ND	ND	ND	ND	ND	ND	1
B18-15	200316-84	ND	ND	ND	ND	ND	ND	ND	ND	10^
B19-30	200316-94	ND	ND	ND	ND	ND	ND	ND	ND	1
B20-20	200316-99	ND	ND	ND	ND	ND	ND	ND	ND	10^
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
^ = Actual Detection Limit Raised due to matrix interference
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by:__________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **3/31/2020**
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **200316-80 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.087	**87%**	0.094	**94%**	**8%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.097	**97%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: A

Final Reviewer: ______________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 04/31-04/02/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 04/06/20

SAMPLE I.D.: **B18-20'**
LAB I.D.: 200316-85

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	4.06	0.1	10	2,500	25	6010B
Lead (Pb)	28.0 ***	0.05	10	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by:____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**	PROJECT NO.: **100952006**
MATRIX: SOIL	DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20	DATE ANALYZED: 04/31-04/02/20
REPORT TO: MR. JON ANDERSON	DATE REPORTED: 04/06/20

SAMPLE I.D.: **B19-15'** LAB I.D.: 200316-91

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	ND	0.1	10	2,500	25	6010B
Lead (Pb)	16.5 ***	0.05	10	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 04/31-04/02/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 04/06/20

SAMPLE I.D.: **B20-20'**
LAB I.D.: 200316-99

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	23.1 ***	0.05	10	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/31-04/02/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/06/20

METHOD BLANK FOR LAB I.D.: 200316-85, -91, -99

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	ND	0.1	1	2,500	25	6010B
Lead (Pb)	ND	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/2/2020

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	200331-6	5.00	93	*PASS*	0	5.00	4.28	86%	4.36	87%	2%
Copper(Cu)	200331-6	5.00	90	*PASS*	3.65	5.00	7.60	79%	7.70	81%	3%
Lead(Pb)	200331-6	5.00	92	*PASS*	0	5.00	3.98	80%	4.02	80%	1%

ANALYSIS DATE: 4/2/2020

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200331-6	0.0125	95	*PASS*	*0*	0.0125	0.0109	87%	0.0114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper(Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ______________________

FINAL REVIEWER: ______________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Additinal analysis request

2 messages

Jonathan Anderson <janderson@ardentenv.com> Tue, Mar 31, 2020 at 10:23 AM
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>
Cc: Craig Metheny <cmetheny@ardentenv.com>, Jessica Lin <envirocheminc@gmail.com>

Good Morning Curt:

Could you please analyze the samples listed below for additional the following tests. Find attached the original lab reports for this site, Ardent Project No. 100952006:

-

PCBs by EPA Method No. 8082

200317

- B17-30, B18-15, B19-30, B20-20, B21-10, B22-20, B23-25, B24-10, and B25-35

200316-80 -84 -94 -99 | -45 -57 -62 -66 -78

Hexavalent Chromium by EPA Method No. 218.6

200317

- B17-25, B18-20, B19-15, B20-10, B21-30, B22-10, B23-35, B24-30, and B25-25

200316-79 -85 -91 -97 | -49 -52 -64 -70 -76

Copper by WET Method

200317

- B18-20, B19-15, B23-15, and B23-30

200316-85 -91 | -60 -63

Lead by WET Method

200317

- B18-20, B19-15, B20-20, and B24-25

200316-85 -91 -99 | -69

Please feel free to contact me with any questions, and lets run these on a standard turn around.

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

Analysis Required

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc6-32 8015m	VOCs 8260B	Title 22 Metals 6010/7000						COMMENTS
B17-5'	200316-75	3-16-20	7:50	Soil	1	4oz Jar bt	NA	X	X	X						
B17-10'	-76		8:05			bt										
B17-15'	-77		8:09													
B17-20'	-78		8:15													
B17-25'	-79		8:20													
B17-30'	-80		8:28													
B17-35'	-81		8:34													
B18-5'	-82		9:23			4oz Jar										
B18-10'	-83		9:40			1x bt										
B18-15'	-84		9:47													
B18-20'	-85		9:53													
B18-25'	-86		9:54													
B18-30'	-87		10:05													
B18-35'	-88		10:10													
B19-5'	-89		13:25			1x bt										

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, SUITE 103,
City/State/Zip: CORONA /CA /92880

Project Contact: CRAIG METHENY / JON ANDERSON
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 1309.25.006
52

Relinquished by: Jon Anderson	Received by: Jessica	Date & Time: 3/16/20 1600	Instructions for Sample Storage After Analysis:	
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)	
Relinquished by:	Received by:	Date & Time:	O Other:	

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-2020

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week (Standard)~~
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000									COMMENTS
B19-10'	200316-90	3-16-20	13:32	Soil	1	1xbt	NA	X	X	X									
B19-15'	-91		13:36																
B19-20'	-92		13:43																
B19-25'	-93		13:48																
B19-30'	-94		13:52																
B19-35'	-95		13:56																
B20-5'	-96		11:04			1X4oz Jar													
B20-10'	-97		12:09			1Xbt													
B20-15'	-98		12:16																
B20-20'	-99		12:22																
B20-25'	-100		12:27																
B20-30'	-101		12:33																
B20-35'	-102		12:38																
B21-5'	-103		14:50			1X4oz Jar													

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry / Jon Anderson
Tel: 951-736-5339
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by: Jessica R.	Date & Time: 3/16/20 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-20

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 25, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **analytical results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-10'**
LAB I.D.: 200317-45

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.023	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-10'** LAB I.D.: 200317-45

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-15'**
LAB I.D.: 200317-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.060	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-15'** LAB I.D.: 200317-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B21-20' LAB I.D.: 200317-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.021	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20
DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-20'**
LAB I.D.: 200317-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B21-25' LAB I.D.: 200317-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _______

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-25'** LAB I.D.: 200317-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-30'**
LAB I.D.: 200317-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.029	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-30'** LAB I.D.: 200317-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-35'** LAB I.D.: 200317-50

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.047	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-35'**
LAB I.D.: 200317-50

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.013	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-5'** LAB I.D.: 200317-51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ________________

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-5'** LAB I.D.: 200317-51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-45 THROUGH -51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-45 THROUGH -51

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 3/18-19/2020
Machine: C

Matrix: Solid/Soil/Liquid
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 200317-51 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.046	92%	0.050	100%	8%	75-125	0-20
Chlorobenzene	0	0.050	0.049	98%	0.053	106%	8%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.043	86%	0.046	92%	6%	75-125	0-20
Toluene	0	0.050	0.048	96%	0.052	104%	8%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.047	94%	0.051	102%	8%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.050	100%	75-125
Chlorobenzene	0.050	0.054	108%	75-125
Chloroform	0.050	0.050	100%	75-125
1,1-Dichlorothene	0.050	0.049	98%	75-125
Ethylbenzene	0.050	0.053	106%	75-125
o-Xylene	0.050	0.054	108%	75-125
m,p-Xylene	0.100	0.107	107%	75-125
Toluene	0.050	0.053	106%	75-125
1,1,1-Trichloroethane	0.050	0.048	96%	75-125
Trichloroethene (TCE)	0.050	0.051	102%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**200317-22**	**200317-23**	**200317-24**	**200317-25**	**200317-12**	**200317-35**
Dibromofluoromethane	50.0	70-130	95%	95%	96%	94%	98%	94%	92%
Toluene-d8	50.0	70-130	100%	100%	100%	100%	101%	101%	106%
4-Bromofluorobenzene	50.0	70-130	97%	98%	97%	94%	98%	97%	101%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200317-36**	**200317-37**	**200317-2**	**200318-6**	**200317-45**	**200317-46**	**200317-47**
Dibromofluoromethane	50.0	70-130	121%	92%	99%	99%	100%	107%	100%
Toluene-d8	50.0	70-130	138*%	103%	100%	100%	99%	104%	100%
4-Bromofluorobenzene	50.0	70-130	113%	103%	94%	98%	96%	105%	97%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200317-48**	**200317-49**	**200317-50**	**200317-51**	**200317-6**		
Dibromofluoromethane	50.0	70-130	96%	96%	96%	97%	98%		
Toluene-d8	50.0	70-130	99%	98%	99%	99%	100%		
4-Bromofluorobenzene	50.0	70-130	100%	99%	99%	100%	97%		

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results
spk conc = Spike Concentration
MS = Matrix Spike
%RC = Percent Recovery
ACP %RC = Accepted Percent Recovery
MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: ______

Final Reviewer: ______

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-10'** LAB I.D.: 200317-52

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.056	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	0.042	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: B22-10'   LAB I.D.: 200317-52

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: B22-15' LAB I.D.: 200317-53

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.047	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: [signature]

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-15'** LAB I.D.: 200317-53

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.007	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B22-20' LAB I.D.: 200317-54

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.069	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-20'** LAB I.D.: 200317-54

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	0.019	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	0.013	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	0.006	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	0.012	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	0.006	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-25'**
LAB I.D.: 200317-55

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:____________________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-25'** LAB I.D.: 200317-55

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-30'** LAB I.D.: 200317-56

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-30'** LAB I.D.: 200317-56

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
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PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: B22-35'
LAB I.D.: 200317-57

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B22-35' LAB I.D.: 200317-57

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-5'** LAB I.D.: 200317-58

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________________

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LABORATORY REPORT

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-5'**

LAB I.D.: 200317-58

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
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PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B23-10' LAB I.D.: 200317-59

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-10'** LAB I.D.: 200317-59

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26^{th} St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-15'** LAB I.D.: 200317-60

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.026	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________________

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-15'** LAB I.D.: 200317-60

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-20'** LAB I.D.: 200317-61

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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SAMPLE I.D.: **B23-20'** LAB I.D.: 200317-61

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555 ____________

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-25'** LAB I.D.: 200317-62

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.033	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-25'** LAB I.D.: 200317-62

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-30'** LAB I.D.: 200317-63

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-30'** LAB I.D.: 200317-63

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	0.177	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	0.285	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
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CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-35'** LAB I.D.: 200317-64

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.074	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-35'** LAB I.D.: 200317-64

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	0.005	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-5'** LAB I.D.: 200317-65

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-5'** LAB I.D.: 200317-65

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-10'** LAB I.D.: 200317-66

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.039	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

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SAMPLE I.D.: **B24-10'** LAB I.D.: 200317-66

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-15'** LAB I.D.: 200317-67

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.029	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________________

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SAMPLE I.D.: **B24-15'** LAB I.D.: 200317-67

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-20'** LAB I.D.: 200317-68

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.021	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-20'** LAB I.D.: 200317-68

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-25'** LAB I.D.: 200317-69

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.057	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-25'** LAB I.D.: 200317-69

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-30'** LAB I.D.: 200317-70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.052	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: [signature]

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-30'** LAB I.D.: 200317-70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200317-52 THROUGH -70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200317-52 THROUGH -70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 3/19/2020
Machine: C
Matrix: Solid/Soil/Liquid
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 200317-52 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.048	96%	0.046	92%	4%	75-125	0-20
Chlorobenzene	0	0.050	0.049	98%	0.048	96%	2%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.053	106%	0.050	100%	6%	75-125	0-20
Toluene	0	0.050	0.050	100%	0.048	96%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.048	96%	0.046	92%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.048	96%	75-125
Chlorobenzene	0.050	0.051	102%	75-125
Chloroform	0.050	0.049	98%	75-125
1,1-Dichlorothene	0.050	0.047	94%	75-125
Ethylbenzene	0.050	0.051	102%	75-125
o-Xylene	0.050	0.052	104%	75-125
m,p-Xylene	0.100	0.103	103%	75-125
Toluene	0.050	0.050	100%	75-125
1,1,1-Trichloroethane	0.050	0.046	92%	75-125
Trichloroethene (TCE)	0.050	0.049	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	200317-52	200317-53	200317-54	200317-55	200317-56	200317-57
Dibromofluoromethane	50.0	70-130	97%	100%	99%	100%	100%	100%	99%
Toluene-d8	50.0	70-130	100%	100%	100%	101%	101%	100%	100%
4-Bromofluorobenzene	50.0	70-130	98%	98%	98%	98%	99%	98%	99%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			200317-58	200317-59	200317-60	200317-61	200317-62	200317-63	200317-64
Dibromofluoromethane	50.0	70-130	100%	99%	100%	99%	101%	97%	107%
Toluene-d8	50.0	70-130	100%	100%	99%	101%	100%	100%	106%
4-Bromofluorobenzene	50.0	70-130	99%	98%	99%	98%	97%	96%	103%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			200317-65	200317-66	200317-67	200317-68	200317-69	200317-70	
Dibromofluoromethane	50.0	70-130	99%	100%	100%	99%	101%	99%	
Toluene-d8	50.0	70-130	101%	100%	100%	100%	100%	101%	
4-Bromofluorobenzene	50.0	70-130	98%	97%	97%	97%	97%	98%	

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results
spk conc = Spike Concentration
MS = Matrix Spike
%RC = Percent Recovery
ACP %RC = Accepted Percent Recovery
MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: ______

Final Reviewer: ______

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-35'** LAB I.D.: 200317-71

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.025	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-35'** LAB I.D.: 200317-71

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-5'** LAB I.D.: 200317-72

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.021	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-5'**

LAB I.D.: 200317-72

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-10'**
LAB I.D.: 200317-73

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: B25-10' LAB I.D.: 200317-73

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-15'** LAB I.D.: 200317-74

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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MATRIX: SOIL DATE RECEIVED: 03/17/20
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SAMPLE I.D.: **B25-15'** LAB I.D.: 200317-74

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-20'** LAB I.D.: 200317-75

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.023	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-20'** LAB I.D.: 200317-75

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555 ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-25'** LAB I.D.: 200317-76

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.022	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-25'** LAB I.D.: 200317-76

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.006	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-30'** LAB I.D.: 200317-77

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.053	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-30'** LAB I.D.: 200317-77

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.014	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-35'** LAB I.D.: 200317-78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.034	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-35'** LAB I.D.: 200317-78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.013	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-71 THROUGH -78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/19/20
DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-71 THROUGH -78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 3/19-20/20
Machine: D

Matrix: Solid/Soil/Liquid
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 200317-71 MS/MSD BATCH ID: 200317-71

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.046	92%	0.048	96%	4%	75-125	0-20
Chlorobenzene	0	0.050	0.050	100%	0.052	104%	4%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.049	98%	0.045	90%	8%	75-125	0-20
Toluene	0	0.050	0.049	98%	0.051	102%	4%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.048	96%	0.050	100%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.049	98%	75-125
Chlorobenzene	0.050	0.052	104%	75-125
Chloroform	0.050	0.050	100%	75-125
1,1-Dichlorothene	0.050	0.046	92%	75-125
Ethylbenzene	0.050	0.052	104%	75-125
o-Xylene	0.050	0.052	104%	75-125
m,p-Xylene	0.100	0.105	105%	75-125
Toluene	0.050	0.051	102%	75-125
1,1,1-Trichloroethane	0.050	0.048	96%	75-125
Trichloroethene (TCE)	0.050	0.050	100%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**200319-7**	**200317-71**	**200317-72**	**200317-73**	**200317-74**	**200317-75**
Dibromofluoromethane	50.0	70-130	97%	102%	100%	100%	100%	101%	102%
Toluene-d8	50.0	70-130	101%	101%	100%	100%	100%	101%	100%
4-Bromofluorobenzene	50.0	70-130	97%	101%	98%	98%	98%	96%	97%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200317-76**	**200317-77**	**200317-78**	**200319-1**	**200319-43**	**200318-43**	**200318-44**
Dibromofluoromethane	50.0	70-130	102%	101%	101%	99%	95%	94%	95%
Toluene-d8	50.0	70-130	101%	101%	101%	101%	103%	99%	98%
4-Bromofluorobenzene	50.0	70-130	97%	98%	97%	97%	100%	96%	95%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200318-45**	**200318-46**	**200318-47**	**200318-48**			
Dibromofluoromethane	50.0	70-130	96%	97%	98%	96%			
Toluene-d8	50.0	70-130	99%	99%	100%	99%			
4-Bromofluorobenzene	50.0	70-130	96%	95%	97%	92%			

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: ____________

Final Reviewer: ____________

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH CC 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B21 - 10'	200317-45	3-17-20	7:23	Soil	1	bt	NA	x	x	x							
B21 - 15'	-46		7:27														
B21 - 20'	-47		7:33														
B21 - 25'	-48		7:40														
B21 - 30'	-49		7:45														
B21 - 35'	-50		7:50			~~[illegible]~~											
B22 - 5'	-51		10:13			4 [illegible]											
B22 - 10'	-52		10:21			bt											
B22 - 15	-53		10:26														
B22 - 20'	-54		10:31														
B22 - 25'	-55		10:39														
B22 - 30'	-56		10:45														
B22 - 35'	-57		10:50														
B23 - 5	-58		8:36			4 [illegible]											
B23 - 10'	-59		8:50			bt											

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC.
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHAY / Jon Anderson
Tel: 951 - 736 - 5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 1009.5006 S2

Relinquished by: Jon Anderson	Received by: [illegible]	Date & Time: 3/17/20 1630	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

Analysis Required

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH CC6-32 ~~8015~~ 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B23-15'	200317-60	3-17-20	8:54	Soil	1	pt	NA	X	X	X							
B23-20'	-61		9:03														
B23-25'	-62		9:08														
B23-30'	-63		9:12														
B23-35'	-64		9:20														
B24-5'	-65		11:34		4OZ JAR												
B24-10'	-66		11:46		pt												
B24-15'	-67		11:51		4OZ JAR												
B24-20'	-68		11:58														
B24-25'	-69		12:40														
B24-30'	-70		12:45														
B24-35'	-71		12:50														
B25-5'	-72		13:41		4OZ JAR												
B25-10'	-73		13:49														
B25-15'	-74		13:54														

Company Name: ARDENT ENVIRONMENTAL GROUP, INC

Address: 1827 CAPITAL STREET Suite 103

City/State/Zip: Corona / CA / 92880

Project Contact: Jon Anderson
Craig Mcmurray

Tel: 951-736-5334

Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson

Project Name/ID: 1633 20th St
~~100935006~~
100952006.

Relinquished by:	Received by: Jessa R	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 2 of ____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-G-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B25-20'	200317-75	3-17-20	14:00	Soil	1		NA	X	X	X							
B25-25'	-76	↓	14:07	↓	↓		↓	↓	↓	↓							
B25-30'	-77	↓	14:18	↓	↓		↓	↓	↓	↓							
B25-35	-78	↓	14:26	↓	↓		↓	↓	↓	↓							

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: CORONA / CA / 92880

Project Contact: Jon Anderson
Craig McHenry
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1233 26th St
100952006

Relinquished by: Jon Anderson	Received by: Jessen	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 3-17-20

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 25, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **analytical results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE EXTRACTED: 03/19/20
DATE ANALYZED: 03/19-20/20
DATE REPORTED: 03/25/20

MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C6-C12	C13-C22	C23-C32	DF
B21-10'	200317-45	ND	ND	17200	100
B21-15'	200317-46	ND	ND	387	2
B21-20'	200317-47	ND	ND	169	1
B21-25'	200317-48	ND	ND	272	2
B21-30'	200317-49	ND	ND	310	2
B21-35'	200317-50	ND	ND	1380	10
B22-5'	200317-51	ND	ND	ND	1
B22-10'	200317-52	ND	ND	1200	10
B22-15'	200317-53	ND	ND	1400	10
B22-20'	200317-54	ND	303 *	7940	10
B22-25'	200317-55	ND	ND	ND	1
B22-30'	200317-56	ND	ND	ND	1
B22-35'	200317-57	ND	ND	ND	1
B23-5'	200317-58	ND	ND	ND	1
B23-10'	200317-59	ND	ND	ND	1
B23-15'	200317-60	ND	ND	335	2
B23-20'	200317-61	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

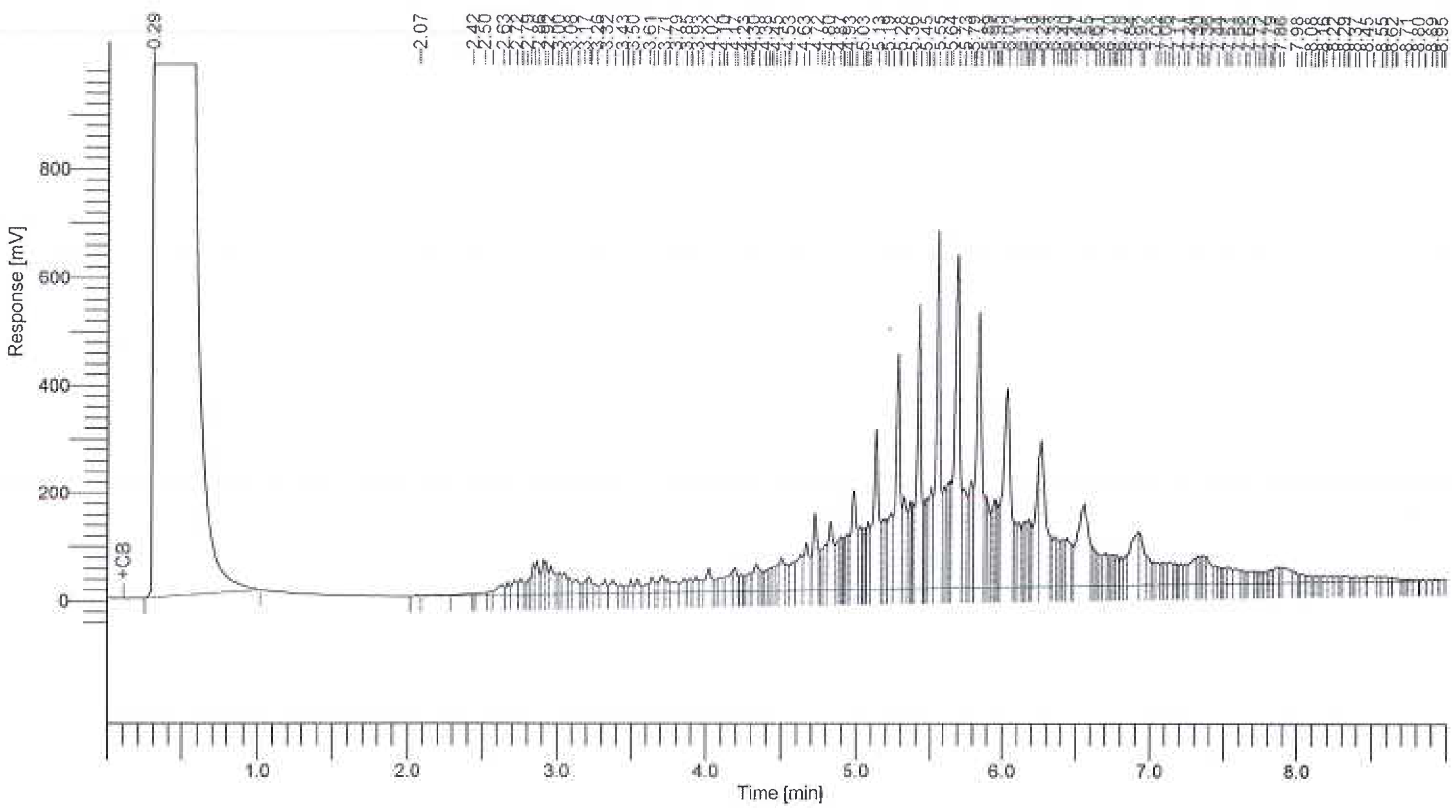
COMMENTS
C6-C12 = GASOLINE RANGE
C13-C22 = DIESEL RANGE
C23-C32 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : ~~6.3.2.0646~~
Sample Name : 200317-54 20/20 (B.22.X)
Instrument Name : GC-I
Rack/Vial : 0/12
Sample Amount : 1.000000
Cycle : 11

Date : 3/20/2020 8:14:11 AM
Data Acquisition Time : 3/19/2020 5:08:20 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A094.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

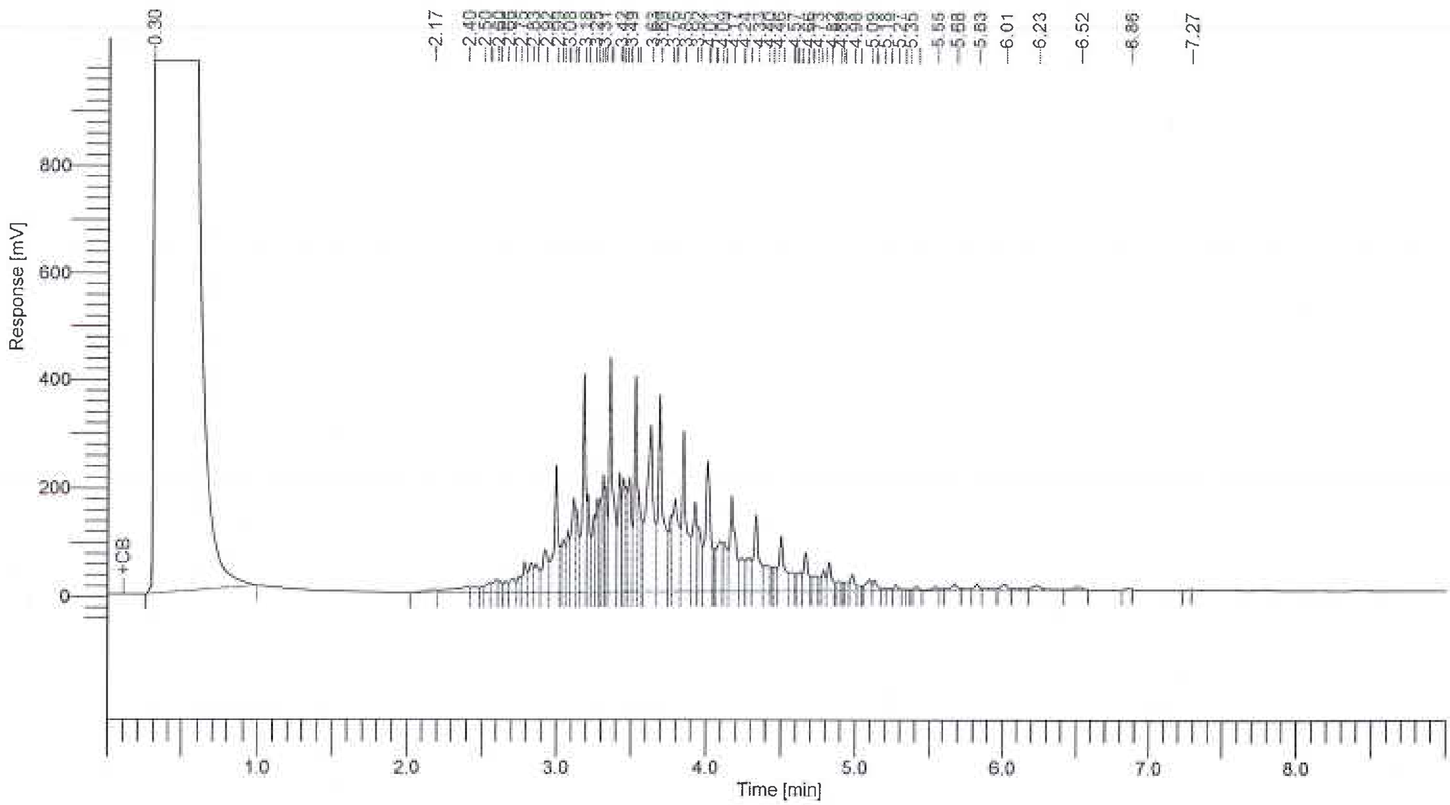
Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	850929	-27.8
C13-C22	3206340	303.0
C23-C32	17020323	7937.8
	21077591	8212.9

Software Version : 6.3.2.0646
Sample Name : DIESEL CCV 2000PPM (GC-3634)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

DIESEL STANDARD

Date : 3/20/2020 1:37:30 PM
Data Acquisition Time : 3/18/2020 9:04:00 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\2020\I2003\I200318\A004.rst
Sequence File : E:\GC DATA\GC-I\2020\I2003\I200318\I200318.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10-C28	13778364	1999.6
	13778364	1999.6

Enviro Chem, Inc

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8015B QA/QC Report

Date Analyzed: 3/19~20/2020 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **200317-58 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	177	89%	158	79%	11%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	177	89%	75-125

Analyzed and Reviewed By: ____________

Final Reviewer: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
MATRIX: SOIL DATE EXTRACTED: 03/19/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/19-20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C6-C12	C13-C22	C23-C32	DF
B23-25'	200317-62	ND	ND	1330	10
B23-30'	200317-63	ND	ND	1280	10
B23-35'	200317-64	30.0 *	25.2 *	273	1
B24-5'	200317-65	ND	ND	154	1
B24-10'	200317-66	ND	ND	3850	10
B24-15'	200317-67	ND	ND	377	2
B24-20'	200317-68	ND	ND	1380	10
B24-25'	200317-69	ND	ND	1760	10
B24-30'	200317-70	ND	ND	ND	1
B24-35'	200317-71	ND	ND	ND	1
B25-5'	200317-72	ND	ND	136	1
B25-10'	200317-73	ND	ND	ND	1
B25-15'	200317-74	ND	ND	350	2
B25-20'	200317-75	ND	ND	ND	1
B25-25'	200317-76	ND	ND	956	10
B25-30'	200317-77	ND	ND	1170	10
B25-35'	200317-78	ND	ND	1520	10
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C6-C12 = GASOLINE RANGE
C13-C22 = DIESEL RANGE
C23-C32 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF STANDARD

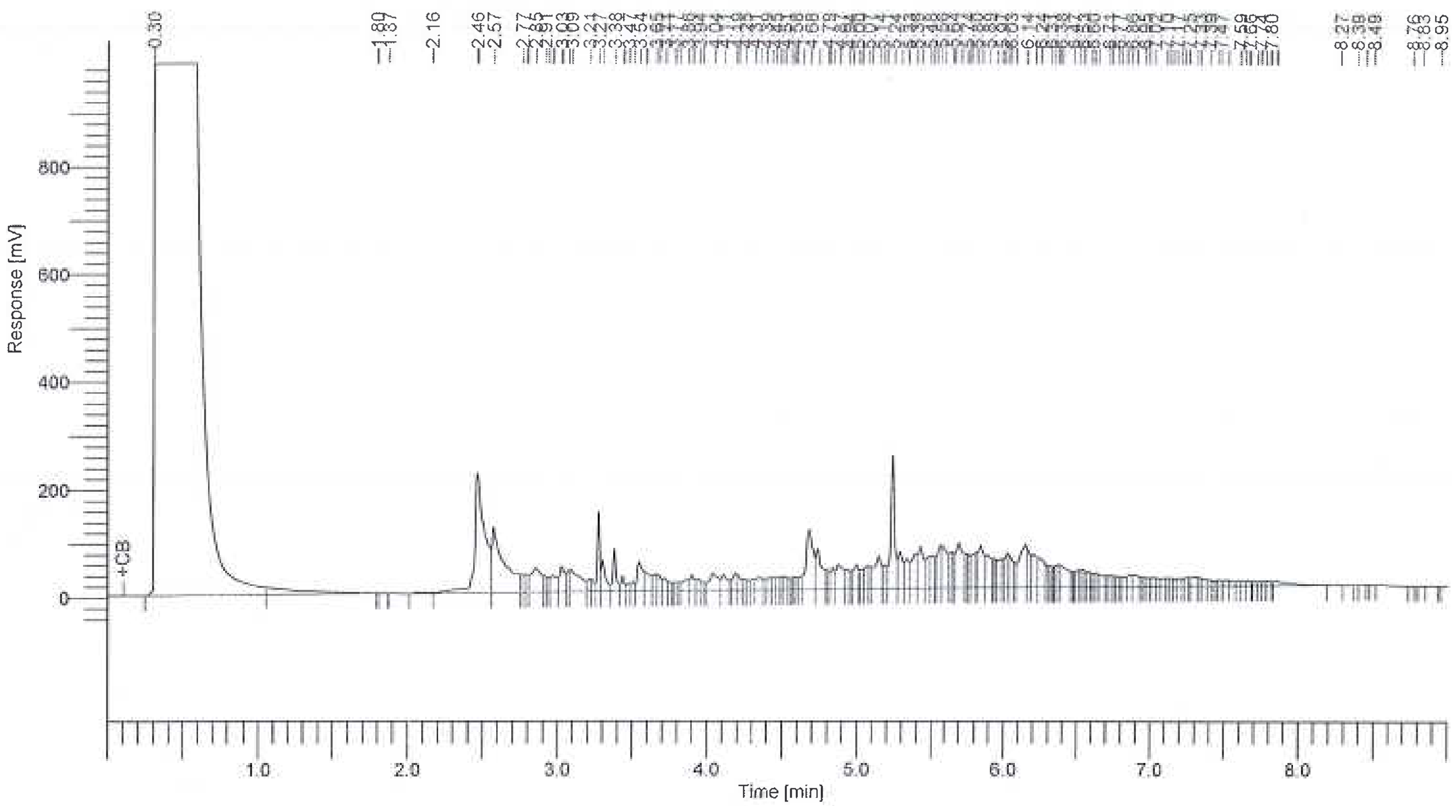
Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 200317-64 2&2 RE
Instrument Name : GC-I
Rack/Vial : 0/72
Sample Amount : 1.000000
Cycle : 3

(B.23.35)

Date : 3/20/2020 1:33:06 PM
Data Acquisition Time : 3/20/2020 8:54:40 AM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A159.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

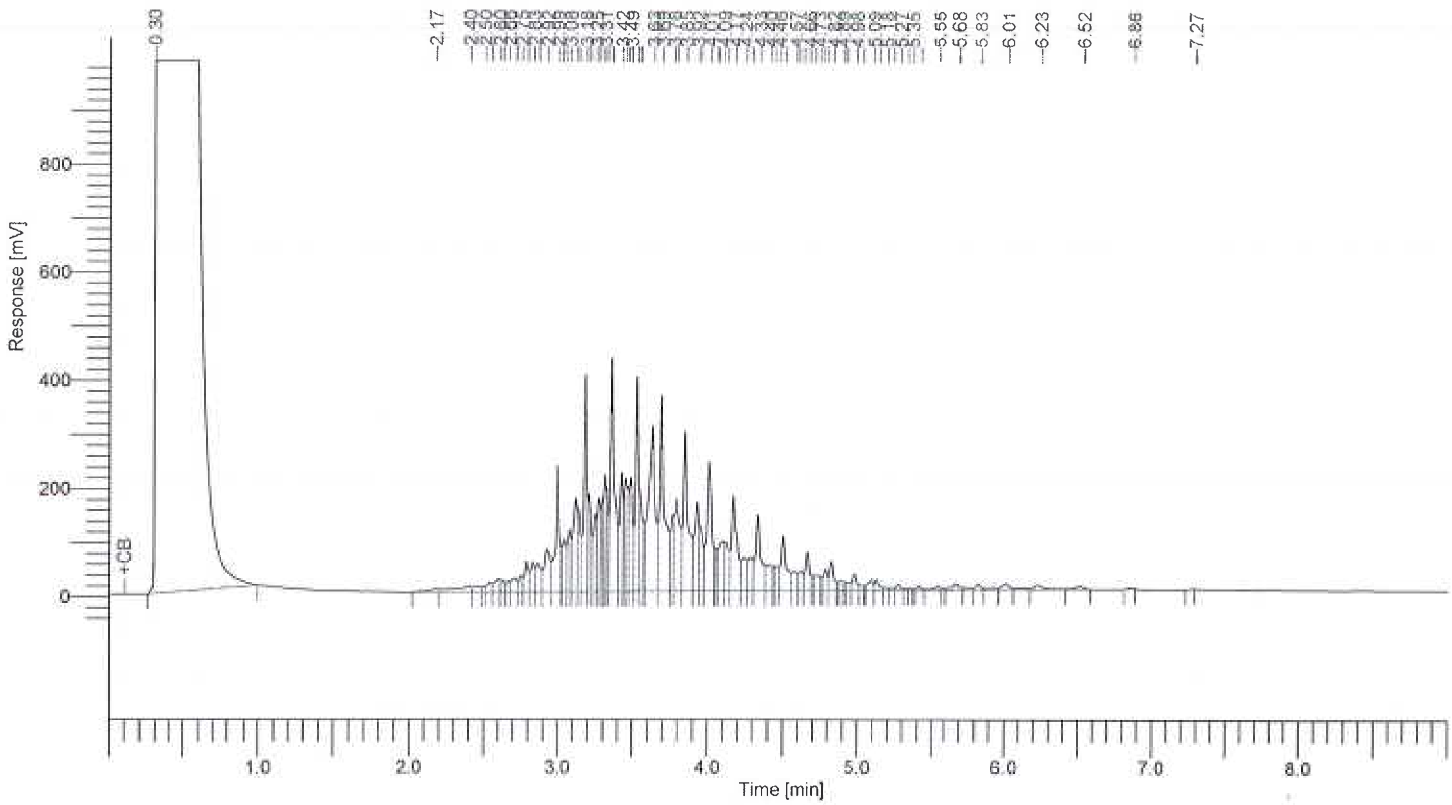
Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	2232672	299.6
C13-C22	2586303	252.1
C23-C32	5054619	2725.7
	9873594	3277.4

Software Version : 6.3.2.0646
Sample Name : DIESEL CCV 2000PPM (GC-3634)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

(DIESEL STANDARD)

Date : 3/20/2020 1:37:29 PM
Data Acquisition Time : 3/18/2020 9:04:00 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\2020\I2003\I200318\A004.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10-C28	13778364	1999.6
	13778364	1999.6

Enviro Chem, Inc

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8015B QA/QC Report

Date Analyzed: 3/19~20/2020 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **200317-73 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	178	89%	155	78%	14%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	178	89%	75-125

Analyzed and Reviewed By: ____________

Final Reviewer: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-10'** LAB I.D.: 200317-45

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	26.3	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	43.6	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	15.2	1.0	1	8,000	80	6010B
Copper(Cu)	20.9	1.0	1	2,500	25	6010B
Lead(Pb)	2.89	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.035	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	20.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	49.0	5.0	1	2,400	24	6010B
Zinc(Zn)	44.4	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-15'** LAB I.D.: 200317-46

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.46	0.3	1	500	5.0	6010B
Barium(Ba)	248	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.83	0.5	1	100	1.0	6010B
Chromium Total(Cr)	70.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	9.03	1.0	1	8,000	80	6010B
Copper(Cu)	11.2	1.0	1	2,500	25	6010B
Lead(Pb)	145 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.451	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	36.5	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	45.0	5.0	1	2,400	24	6010B
Zinc(Zn)	318	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-20'** LAB I.D.: 200317-47

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.64	0.3	1	500	5.0	6010B
Barium(Ba)	156	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.772	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.7 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.1	1.0	1	8,000	80	6010B
Copper(Cu)	56.2	1.0	1	2,500	25	6010B
Lead(Pb)	35.6	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.081	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	27.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	46.7	5.0	1	2,400	24	6010B
Zinc(Zn)	124	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-25'** LAB I.D.: 200317-48

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.93	0.3	1	500	5.0	6010B
Barium(Ba)	179	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.28	0.5	1	100	1.0	6010B
Chromium Total(Cr)	75.5 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	9.87	1.0	1	8,000	80	6010B
Copper(Cu)	53.0	1.0	1	2,500	25	6010B
Lead(Pb)	47.4	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.137	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	27.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	52.9	5.0	1	2,400	24	6010B
Zinc(Zn)	421	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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-- = Not analyzed/not requested

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-30'** LAB I.D.: 200317-49

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.36	0.3	1	500	5.0	6010B
Barium(Ba)	265	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	3.10	0.5	1	100	1.0	6010B
Chromium Total(Cr)	466 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	12.6	1.0	1	8,000	80	6010B
Copper(Cu)	86.1	1.0	1	2,500	25	6010B
Lead(Pb)	163 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.200	0.01	1	20	0.2	7471A
Molybdenum(Mo)	9.70	5.0	1	3,500	350	6010B
Nickel(Ni)	263 *	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	44.4	5.0	1	2,400	24	6010B
Zinc(Zn)	346	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B21-35'** LAB I.D.: 200317-50

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.93	0.3	1	500	5.0	6010B
Barium(Ba)	113	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.38	0.5	1	100	1.0	6010B
Chromium Total(Cr)	51.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.67	1.0	1	8,000	80	6010B
Copper(Cu)	41.7	1.0	1	2,500	25	6010B
Lead(Pb)	30.6	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.066	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	18.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	41.2	5.0	1	2,400	24	6010B
Zinc(Zn)	97.6	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-5'** LAB I.D.: 200317-51

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.39	0.3	1	500	5.0	6010B
Barium(Ba)	142	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.701	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.2	1.0	1	8,000	80	6010B
Copper(Cu)	29.3	1.0	1	2,500	25	6010B
Lead(Pb)	12.0	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.036	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	22.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	49.4	5.0	1	2,400	24	6010B
Zinc(Zn)	80.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-10'** LAB I.D.: 200317-52

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	ND	0.3	10	500	5.0	6010B
Barium(Ba)	174	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	1,990 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	43.8	1.0	10	8,000	80	6010B
Copper(Cu)	284 *	1.0	10	2,500	25	6010B
Lead(Pb)	81.9 *	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.165	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	65.8	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	ND	5.0	10	2,400	24	6010B
Zinc(Zn)	280	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: ______
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-15'** LAB I.D.: 200317-53

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.87	0.3	1	500	5.0	6010B
Barium(Ba)	301	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	3.91	0.5	1	100	1.0	6010B
Chromium Total(Cr)	81.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.34	1.0	1	8,000	80	6010B
Copper(Cu)	156	1.0	1	2,500	25	6010B
Lead(Pb)	218 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.171	0.01	1	20	0.2	7471A
Molybdenum(Mo)	13.9	5.0	1	3,500	350	6010B
Nickel(Ni)	41.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	3.93	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	29.6	5.0	1	2,400	24	6010B
Zinc(Zn)	815	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-20'** LAB I.D.: 200317-54

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.08	0.3	1	500	5.0	6010B
Barium(Ba)	165	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.76	0.5	1	100	1.0	6010B
Chromium Total(Cr)	95.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	13.6	1.0	1	8,000	80	6010B
Copper(Cu)	100	1.0	1	2,500	25	6010B
Lead(Pb)	206 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.333	0.01	1	20	0.2	7471A
Molybdenum(Mo)	10.3	5.0	1	3,500	350	6010B
Nickel(Ni)	58.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	26.5	5.0	1	2,400	24	6010B
Zinc(Zn)	344	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&19/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-25'**
LAB I.D.: 200317-55

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	11.5	0.3	10	500	5.0	6010B
Barium(Ba)	179	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	0.588	0.5	10	100	1.0	6010B
Chromium Total(Cr)	93.0 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	16.1	1.0	10	8,000	80	6010B
Copper(Cu)	44.7	1.0	10	2,500	25	6010B
Lead(Pb)	8.34	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.044	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	41.5	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	64.6	5.0	10	2,400	24	6010B
Zinc(Zn)	93.0	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-30'** LAB I.D.: 200317-56

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.31	0.3	1	500	5.0	6010B
Barium(Ba)	99.8	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.503	0.5	1	100	1.0	6010B
Chromium Total(Cr)	58.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.2	1.0	1	8,000	80	6010B
Copper(Cu)	28.3	1.0	1	2,500	25	6010B
Lead(Pb)	6.36	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.035	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	26.6	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	42.0	5.0	1	2,400	24	6010B
Zinc(Zn)	62.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B22-35'** LAB I.D.: 200317-57

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.30	0.3	1	500	5.0	6010B
Barium(Ba)	84.4	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	52.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	9.04	1.0	1	8,000	80	6010B
Copper(Cu)	23.7	1.0	1	2,500	25	6010B
Lead(Pb)	5.32	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.052	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	22.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	39.4	5.0	1	2,400	24	6010B
Zinc(Zn)	56.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: **JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-5'** LAB I.D.: 200317-58

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	2.15	0.3	1	500	5.0	6010B
Barium(Ba)	172	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	60.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	12.8	1.0	1	8,000	80	6010B
Copper(Cu)	28.6	1.0	1	2,500	25	6010B
Lead(Pb)	4.45	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.061	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	11.9	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	49.1	5.0	1	2,400	24	6010B
Zinc(Zn)	67.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-10'** LAB I.D.: 200317-59

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	11.9	0.3	1	500	5.0	6010B
Barium(Ba)	115	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.530	0.5	1	100	1.0	6010B
Chromium Total(Cr)	63.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.43	1.0	1	8,000	80	6010B
Copper(Cu)	20.2	1.0	1	2,500	25	6010B
Lead(Pb)	4.15	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.035	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	18.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	53.4	5.0	1	2,400	24	6010B
Zinc(Zn)	55.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&19/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-45 THROUGH -59

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/19/2020 | Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200317-56	50.0	105	*PASS*	7.31	50.0	51.1	88%	52.1	90%	2%
Lead(Pb)	200317-56	50.0	100	*PASS*	6.36	50.0	47.8	83%	48.6	84%	2%
Nickel(Ni)	200317-56	50.0	107	*PASS*	26.6	50.0	74.4	96%	75.5	98%	2%

ANALYSIS DATE. : 3/18/2020

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200317-40	0.125	92	*PASS*	*0*	0.125	0.106	85%	0.104	84%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Nickel(Ni)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________________

FINAL REVIEWER: ____________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

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LABORATORY REPORT

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-15'**
LAB I.D.: 200317-60

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	13.2	0.3	1	500	5.0	6010B
Barium(Ba)	263	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	2.57	0.5	1	100	1.0	6010B
Chromium Total(Cr)	87.0 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.3	1.0	1	8,000	80	6010B
Copper(Cu)	484 *	1.0	1	2,500	25	6010B
Lead(Pb)	262 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.162	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	64.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	4.42	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	50.1	5.0	1	2,400	24	6010B
Zinc(Zn)	477	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-20'**
LAB I.D.: 200317-61

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.53	0.3	1	500	5.0	6010B
Barium(Ba)	96.7	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	57.0 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.00	1.0	1	8,000	80	6010B
Copper(Cu)	30.7	1.0	1	2,500	25	6010B
Lead(Pb)	4.70	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.040	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	31.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	37.3	5.0	1	2,400	24	6010B
Zinc(Zn)	85.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-25'** LAB I.D.: 200317-62

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.31	0.3	1	500	5.0	6010B
Barium(Ba)	120	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.897	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	9.52	1.0	1	8,000	80	6010B
Copper(Cu)	33.0	1.0	1	2,500	25	6010B
Lead(Pb)	20.9	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.050	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	29.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.36	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	60.4	5.0	1	2,400	24	6010B
Zinc(Zn)	106	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-30'**
LAB I.D.: 200317-63

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.22	0.3	1	500	5.0	6010B
Barium(Ba)	127	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.67	0.5	1	100	1.0	6010B
Chromium Total(Cr)	66.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.26	1.0	1	8,000	80	6010B
Copper(Cu)	905 *	1.0	10	2,500	25	6010B
Lead(Pb)	99.0 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.266	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	41.6	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	37.1	5.0	1	2,400	24	6010B
Zinc(Zn)	184	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B23-35'** LAB I.D.: 200317-64

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.99	0.3	1	500	5.0	6010B
Barium(Ba)	202	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.48	0.5	1	100	1.0	6010B
Chromium Total(Cr)	91.9 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.1	1.0	1	8,000	80	6010B
Copper(Cu)	73.0	1.0	1	2,500	25	6010B
Lead(Pb)	98.1 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.484	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	44.6	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	49.0	5.0	1	2,400	24	6010B
Zinc(Zn)	349	0.5	1	5,000	250	6010B

COMMENTS

DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________

CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-5'**
LAB I.D.: 200317-65

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	10.1	0.3	1	500	5.0	6010B
Barium(Ba)	143	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	81.9 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	19.4	1.0	1	8,000	80	6010B
Copper(Cu)	37.4	1.0	1	2,500	25	6010B
Lead(Pb)	10.4	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.236	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	79.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	69.0	5.0	1	2,400	24	6010B
Zinc(Zn)	88.6	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-10'**
LAB I.D.: 200317-66

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.02	0.3	1	500	5.0	6010B
Barium(Ba)	210	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.93	0.5	1	100	1.0	6010B
Chromium Total(Cr)	107 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.4	1.0	1	8,000	80	6010B
Copper(Cu)	91.6	1.0	1	2,500	25	6010B
Lead(Pb)	93.2 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.137	0.01	1	20	0.2	7471A
Molybdenum(Mo)	7.42	5.0	1	3,500	350	6010B
Nickel(Ni)	111	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	46.9	5.0	1	2,400	24	6010B
Zinc(Zn)	272	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-15'** LAB I.D.: 200317-67

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	9.54	0.3	10	500	5.0	6010B
Barium(Ba)	179	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	1.67	0.5	10	100	1.0	6010B
Chromium Total(Cr)	70.9 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.0	1.0	10	8,000	80	6010B
Copper(Cu)	112	1.0	10	2,500	25	6010B
Lead(Pb)	77.2 *	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.327	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	34.4	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	1.37	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	49.6	5.0	10	2,400	24	6010B
Zinc(Zn)	397	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-20'**
LAB I.D.: 200317-68

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.59	0.3	1	500	5.0	6010B
Barium(Ba)	154	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	2.26	0.5	1	100	1.0	6010B
Chromium Total(Cr)	59.0 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.70	1.0	1	8,000	80	6010B
Copper(Cu)	87.5	1.0	1	2,500	25	6010B
Lead(Pb)	88.7 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.318	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	34.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	37.1	5.0	1	2,400	24	6010B
Zinc(Zn)	265	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&12020
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-25'** LAB I.D.: 200317-69

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	5.50	1.0	1	500	15	6010B
Arsenic(As)	6.93	0.3	1	500	5.0	6010B
Barium(Ba)	229	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.68	0.5	1	100	1.0	6010B
Chromium Total(Cr)	92.4	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	17.1	1.0	1	8,000	80	6010B
Copper(Cu)	236	1.0	1	2,500	25	6010B
Lead(Pb)	1,690 ***	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.257	0.01	1	20	0.2	7471A
Molybdenum(Mo)	5.43	5.0	1	3,500	350	6010B
Nickel(Ni)	69.3	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.27	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	43.5	5.0	1	2,400	24	6010B
Zinc(Zn)	391	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-30'** LAB I.D.: 200317-70

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	27.4	0.3	1	500	5.0	6010B
Barium(Ba)	163	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.717	0.5	1	100	1.0	6010B
Chromium Total(Cr)	99.6 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	18.2	1.0	1	8,000	80	6010B
Copper(Cu)	29.9	1.0	1	2,500	25	6010B
Lead(Pb)	23.9	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.066	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	25.9	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	86.2	5.0	1	2,400	24	6010B
Zinc(Zn)	95.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/18&20/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B24-35'** LAB I.D.: 200317-71

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.69	0.3	1	500	5.0	6010B
Barium(Ba)	120	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.714	0.5	1	100	1.0	6010B
Chromium Total(Cr)	63.5 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.89	1.0	1	8,000	80	6010B
Copper(Cu)	24.9	1.0	1	2,500	25	6010B
Lead(Pb)	6.09	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.068	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	24.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	66.8	5.0	1	2,400	24	6010B
Zinc(Zn)	64.2	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-5'** LAB I.D.: 200317-72

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.15	0.3	1	500	5.0	6010B
Barium(Ba)	129	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.504	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.9 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.7	1.0	1	8,000	80	6010B
Copper(Cu)	32.1	1.0	1	2,500	25	6010B
Lead(Pb)	8.52	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.056	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	29.3	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	58.3	5.0	1	2,400	24	6010B
Zinc(Zn)	75.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-10'** LAB I.D.: 200317-73

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.77	0.3	1	500	5.0	6010B
Barium(Ba)	92.0	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.958	0.5	1	100	1.0	6010B
Chromium Total(Cr)	54.5 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.07	1.0	1	8,000	80	6010B
Copper(Cu)	21.9	1.0	1	2,500	25	6010B
Lead(Pb)	3.80	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.063	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	18.1	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	61.6	5.0	1	2,400	24	6010B
Zinc(Zn)	53.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-15'**
LAB I.D.: 200317-74

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	12.5	0.3	1	500	5.0	6010B
Barium(Ba)	284	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	3.99	0.5	1	100	1.0	6010B
Chromium Total(Cr)	70.3 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.03	1.0	1	8,000	80	6010B
Copper(Cu)	153	1.0	1	2,500	25	6010B
Lead(Pb)	251 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.516	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	27.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	2.19	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	33.4	5.0	1	2,400	24	6010B
Zinc(Zn)	391	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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LABORATORY REPORT

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
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DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-20'**
LAB I.D.: 200317-75

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.55	0.3	1	500	5.0	6010B
Barium(Ba)	243	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	2.77	0.5	1	100	1.0	6010B
Chromium Total(Cr)	56.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.42	1.0	1	8,000	80	6010B
Copper(Cu)	129	1.0	1	2,500	25	6010B
Lead(Pb)	149 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.367	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	18.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.78	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	38.4	5.0	1	2,400	24	6010B
Zinc(Zn)	1,540	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
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STLC = Soluble Threshold Limit Concentration
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-25'** LAB I.D.: 200317-76

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	11.2	0.3	1	500	5.0	6010B
Barium(Ba)	291	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	4.00	0.5	1	100	1.0	6010B
Chromium Total(Cr)	96.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	9.46	1.0	1	8,000	80	6010B
Copper(Cu)	191	1.0	1	2,500	25	6010B
Lead(Pb)	198 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.517	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	50.0	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.52	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	45.6	5.0	1	2,400	24	6010B
Zinc(Zn)	859	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/25/20

SAMPLE I.D.: **B25-30'** LAB I.D.: 200317-77

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.50	0.3	1	500	5.0	6010B
Barium(Ba)	141	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.47	0.5	1	100	1.0	6010B
Chromium Total(Cr)	69.0 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.43	1.0	1	8,000	80	6010B
Copper(Cu)	34.6	1.0	1	2,500	25	6010B
Lead(Pb)	115 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.129	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	34.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	46.1	5.0	1	2,400	24	6010B
Zinc(Zn)	171	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: ______
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SAMPLE I.D.: **B25-35'** LAB I.D.: 200317-78

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.90	0.3	1	500	5.0	6010B
Barium(Ba)	143	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.12	0.5	1	100	1.0	6010B
Chromium Total(Cr)	69.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.76	1.0	1	8,000	80	6010B
Copper(Cu)	28.8	1.0	1	2,500	25	6010B
Lead(Pb)	31.4	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.199	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	38.5	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	59.9	5.0	1	2,400	24	6010B
Zinc(Zn)	97.4	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/18&20/20
DATE REPORTED: 03/25/20

METHOD BLANK FOR LAB I.D.: 200317-60 THROUGH -78

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL *MATRIX*

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/20/2020 — **Unit : mg/Kg(ppm)**

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200317-67	50.0	102	*PASS*	9.54	50.0	48.9	79%	51.0	83%	5%
Lead(Pb)	200317-67	50.0	103	*PASS*	77.2	50.0	122	90%	125	96%	6%
Nickel(Ni)	200317-67	50.0	105	*PASS*	34.4	50.0	75.5	82%	75.8	83%	1%

ANALYSIS DATE. : 3/18/2020

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200317-72	0.125	91	*PASS*	*0.056*	0.125	0.156	80%	0.159	83%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Nickel(Ni)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
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CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

Analysis Required

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc 8015m	VOC's 8260B	T'tle 22 metals 6010/7000	COMMENTS
B21 - 10'	200317-45	3-17-20	7:23	Soil	1	bt	NA	X	X	X	
B21 - 15'	-46		7:27								
B21 - 20'	-47		7:33								
B21 - 25'	-48		7:40								
B21 - 30'	-49		7:45								
B21 - 35'	-50		7:50			~~4°C~~					
B22 - 5'	-51		10:13			4°C					
B22 - 10'	-52		10:21			bt					
B22 - 15'	-53		10:26								
B22 - 20'	-54		10:31								
B22 - 25'	-55		10:39								
B22 - 30'	-56		10:45								
B22 - 35'	-57		10:50								
B23 - 5'	-58		8:36			4°C					
B23 - 10'	-59		8:50			bt					

Company Name: Ardent Environmental Group, Inc.
Address: 1827 Capital Street, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Craig Mckay
Jon Anderson
Tel: 951-736-5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St
100925006 52

Relinquished by:	Received by:	Date & Time:
Jon Anderson		3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 3-17-20

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 1 of 3

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
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Turnaround Time
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0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH CC6-32 ~~8015B~~ 8015m	VOCs 8260B	Title 22 Metals 6010/7000	COMMENTS
B23-15'	200317-60	3-17-20	8:54	Soil	1	bt	NA	X	X	X	
B23-20'	-61		9:03								
B23-25'	-62		9:08								
B23-30'	-63		9:12								
B23-35'	-64		9:20								
B24-5'	-65		11:34			4oz jar					
B24-10'	-66		11:46			bt					
B24-15'	-67		11:51			4oz jar					
B24-20'	-68		11:58								
B24-25'	-69		12:40								
B24-30'	-70		12:45								
B24-35'	-71		12:50								
B25-5'	-72		13:41		4oz jar						
B25-10'	-73		13:49								
B25-15'	-74		13:54								

Analysis Required

Company Name: Ardent Environmental Group, Inc
Address: 1827 Capital Street Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Jon Anderson
Craig McHenry
Tel: 951 - 736 - 5334
Fax/Email: JAnderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St
~~100925006~~
100952006.

Relinquished by:	Received by: Jessica R	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 2 of ____

Enviro-Chem, Inc. Laboratories
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Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: TPHC6-32 8015M	Analysis Required: VOCs 8260B	Analysis Required: Title 22 Metals 6010/7000	COMMENTS
B25-20'	2097-75	3-17-20	14:00	Soil	1		NA	X	X	X	
B25-25'	-76		14:07								
B25-30'	-77		14:18								
B25-35	-78		14:26								

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: CORONA / CA / 92880

Project Contact: Jon Anderson
Craig McHuey
Tel: 951-736-5339
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1233 26th St
100952006

Relinquished by: Jon Anderson	Received by:	Date & Time: 3/17/20 1830
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 3 of 3

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 23, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **analytical results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-5'**
LAB I.D.: 200316-75

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-5'**
LAB I.D.: 200316-75

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-10'** LAB I.D.: 200316-76

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ________________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-10'** LAB I.D.: 200316-76

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: B17-15'
LAB I.D.: 200316-77

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-15'** LAB I.D.: 200316-77

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-20'** LAB I.D.: 200316-78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-20'**
LAB I.D.: 200316-78

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: B17-25'
LAB I.D.: 200316-79

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
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DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-25'**
LAB I.D.: 200316-79

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-30'**
LAB I.D.: 200316-80

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-30'**
LAB I.D.: 200316-80

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-35'** LAB I.D.: 200316-81

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-35'**
LAB I.D.: 200316-81

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-5'** LAB I.D.: 200316-82

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ________

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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-5'**
LAB I.D.: 200316-82

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-10'** LAB I.D.: 200316-83

**ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, **
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
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DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-10'**
LAB I.D.: 200316-83

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-15'** LAB I.D.: 200316-84

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.034	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ________________

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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: B18-15'
LAB I.D.: 200316-84

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.005	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-75 THROUGH -84

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________

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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-75 THROUGH -84

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 3/17-18/20
Machine: C

Matrix: Solid/Soil/Liquid
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 200316-8 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.049	98%	0.050	100%	2%	75-125	0-20
Chlorobenzene	0	0.050	0.048	96%	0.048	96%	0%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.038	76%	0.039	78%	2%	75-125	0-20
Toluene	0	0.050	0.049	98%	0.049	98%	0%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.047	94%	0.047	94%	0%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.051	102%	75-125
Chlorobenzene	0.050	0.053	106%	75-125
Chloroform	0.050	0.052	104%	75-125
1,1-Dichlorothene	0.050	0.038	76%	75-125
Ethylbenzene	0.050	0.051	102%	75-125
o-Xylene	0.050	0.053	106%	75-125
m,p-Xylene	0.100	0.103	103%	75-125
Toluene	0.050	0.052	104%	75-125
1,1,1-Trichloroethane	0.050	0.050	100%	75-125
Trichloroethene (TCE)	0.050	0.051	102%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	200313-38	200313-101	200313-104	200313-107	200313-110	200313-114
Dibromofluoromethane	50.0	70-130	101%	92%	102%	103%	105%	105%	107%
Toluene-d8	50.0	70-130	103%	98%	100%	101%	102%	101%	101%
4-Bromofluorobenzene	50.0	70-130	98%	98%	99%	100%	99%	99%	99%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			200316-8	200316-9	200316-10	200316-11	200316-75	200316-76	200316-77
Dibromofluoromethane	50.0	70-130	106%	107%	106%	106%	106%	107%	106%
Toluene-d8	50.0	70-130	101%	101%	102%	101%	102%	102%	102%
4-Bromofluorobenzene	50.0	70-130	98%	99%	99%	98%	99%	99%	98%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			200316-78	200316-79	200316-80	200316-81	200316-82	200316-83	200316-84
Dibromofluoromethane	50.0	70-130	106%	106%	106%	105%	105%	106%	106%
Toluene-d8	50.0	70-130	102%	103%	102%	102%	102%	101%	102%
4-Bromofluorobenzene	50.0	70-130	98%	97%	98%	98%	98%	98%	98%

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: ____________

Final Reviewer: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-20'** LAB I.D.: 200316-85

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________________

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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: B18-20' LAB I.D.: 200316-85

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-25'** LAB I.D.: 200316-86

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-25'**
LAB I.D.: 200316-86

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
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PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: B18-30' LAB I.D.: 200316-87

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-30'** LAB I.D.: 200316-87

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-35'** LAB I.D.: 200316-88

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: [signature]

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-35'** LAB I.D.: 200316-88

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-5'** LAB I.D.: 200316-89

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: B19-5' LAB I.D.: 200316-89

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-10'** LAB I.D.: 200316-90

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **B19-10'** LAB I.D.: 200316-90

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-15'** LAB I.D.: 200316-91

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.023	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-15'** LAB I.D.: 200316-91

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-20'** LAB I.D.: 200316-92

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.033	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-20'**
LAB I.D.: 200316-92

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.013	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
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DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLE I.D.: **B19-25'** LAB I.D.: 200316-93

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-25'** LAB I.D.: 200316-93

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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CUSTOMER: Ardent Environmental Group, Inc.
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PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: B19-30' LAB I.D.: 200316-94

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.022	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-20'** LAB I.D.: 200316-94

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	0.008	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-35'**
LAB I.D.: 200316-95

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.023	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: B19-35'
LAB I.D.: 200316-95

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-5'** LAB I.D.: 200316-96

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-5'** LAB I.D.: 200316-96

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-10'** LAB I.D.: 200316-97

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-10'** LAB I.D.: 200316-97

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-15'** LAB I.D.: 200316-98

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.022	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-15'**
LAB I.D.: 200316-98

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-20'** LAB I.D.: 200316-99

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.029	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20
DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-20'**
LAB I.D.: 200316-99

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-25'**
LAB I.D.: 200316-100

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	0.054	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-25'** LAB I.D.: 200316-100

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	0.010	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-30'** LAB I.D.: 200316-101

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________

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MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-30'** LAB I.D.: 200316-101

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-35'** LAB I.D.: 200316-102

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______________________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-35'**
LAB I.D.: 200316-102

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B21-5'**

LAB I.D.: 200316-103

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ______

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B21-5'** LAB I.D.: 200316-103

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel (951) 736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-85 THROUGH -103

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: ____________________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17/20
DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-85 THROUGH -103

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 3/17-18/20 **Matrix:** Solid/Soil/Liquid
Machine: C **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 200316-86 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.047	94%	0.045	90%	4%	75-125	0-20
Chlorobenzene	0	0.050	0.049	98%	0.047	94%	4%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.041	82%	0.044	88%	6%	75-125	0-20
Toluene	0	0.050	0.048	96%	0.047	94%	2%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.047	94%	0.045	90%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.047	94%	75-125
Chlorobenzene	0.050	0.048	96%	75-125
Chloroform	0.050	0.049	98%	75-125
1,1-Dichlorothene	0.050	0.049	98%	75-125
Ethylbenzene	0.050	0.048	96%	75-125
o-Xylene	0.050	0.049	98%	75-125
m,p-Xylene	0.100	0.097	97%	75-125
Toluene	0.050	0.048	96%	75-125
1,1,1-Trichloroethane	0.050	0.046	92%	75-125
Trichloroethene (TCE)	0.050	0.046	92%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**200316-85**	**200316-86**	**200316-87**	**200316-88**	**200316-89**	**200316-90**
Dibromofluoromethane	50.0	70-130	98%	102%	101%	100%	100%	101%	100%
Toluene-d8	50.0	70-130	101%	101%	101%	101%	101%	101%	101%
4-Bromofluorobenzene	50.0	70-130	97%	97%	98%	98%	98%	98%	97%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200316-91**	**200316-92**	**200316-93**	**200316-94**	**200316-95**	**200316-96**	**200316-97**
Dibromofluoromethane	50.0	70-130	100%	101%	99%	99%	99%	99%	99%
Toluene-d8	50.0	70-130	102%	101%	100%	102%	100%	101%	100%
4-Bromofluorobenzene	50.0	70-130	97%	97%	98%	98%	98%	98%	98%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**200316-98**	**200316-99**	**200316-100**	**200316-101**	**200316-102**	**200316-103**	
Dibromofluoromethane	50.0	70-130	98%	98%	98%	98%	97%	99%	
Toluene-d8	50.0	70-130	100%	100%	100%	101%	101%	100%	
4-Bromofluorobenzene	50.0	70-130	98%	97%	97%	99%	98%	98%	

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results — *%RC = Percent Recovery*
spk conc = Spike Concentration — *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike — *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: ____________

Final Reviewer: ____________

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc6-32 8015m	VOC's 8260B	Title 22 Metals 6010/7000							COMMENTS
B17-5'	200316-75	3-16-20	7:50	Soil	1	4oz Jar bt	NA	X	X	X							
B17-10'	-76		8:05			bt											
B17-15'	-77		8:09														
B17-20'	-78		8:15														
B17-25'	-79		8:20														
B17-30'	-80		8:28														
B17-35'	-81		8:34														
B18-5'	-82		9:23			4oz Jar											
B18-10'	-83		9:40			1xbt											
B18-15'	-84		9:47														
B18-20'	-85		9:53														
B18-25'	-86		9:59														
B18-30'	-87		10:05														
B18-35'	-88		10:10														
B19-5'	-89		13:25			1xbt											

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, SUITE 103,
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG METHENY / JON ANDERSON
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: JON ANDERSON
Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by: Jessica	Date & Time: 3/16/20 1600	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 3-16-2020

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week (Standard)~~
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHC6-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000	COMMENTS
B19-10	200316-90	3-16-20	13:32	Soil	1	1xbt	NA	X	X	X	
B19-15	-91		13:36								
B19-20	-92		13:43								
B19-25	-93		13:48								
B19-30	-94		13:52								
B19-35	-95		13:56								
B20-5	-96		11:04		1X4OZ Jar						
B20-10	-97		12:09		1xbt						
B20-15	-98		12:16								
B20-20	-99		12:22								
B20-25	-100		12:27								
B20-30	-101		12:33								
B20-35	-102		12:38								
B21-5	-103		14:50		1X4OZ Jar						

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, SUITE 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry / Jon Anderson
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by: Jessica R.	Date & Time: 3/16/20 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-20

Page 2 of 2

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: March 23, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **analytical results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St.

PROJECT NO.: 100952006
DATE RECEIVED: 03/16/20
DATE EXTRACTED: 03/18/20
DATE ANALYZED: 03/18-19/20
DATE REPORTED: 03/23/20

MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C6-C12	C13-C22	C23-C32	DF
B17-5'	200316-75	ND	ND	78.9	1
B17-10'	200316-76	ND	ND	ND	1
B17-15'	200316-77	ND	ND	ND	1
B17-20'	200316-78	ND	ND	ND	1
B17-25'	200316-79	ND	ND	ND	1
B17-30'	200316-80	ND	ND	105	1
B17-35'	200316-81	ND	ND	ND	1
B18-5'	200316-82	ND	ND	115	1
B18-10'	200316-83	ND	ND	93.3	1
B18-15'	200316-84	ND	125 *	2020	10
B18-20'	200316-85	ND	ND	1240	10
B18-25'	200316-86	ND	ND	109	1
B18-30'	200316-87	ND	ND	ND	1
B18-35'	200316-88	ND	ND	ND	1
B19-5'	200316-89	ND	ND	ND	1
B19-10'	200316-90	ND	12.0 *	162	1
B19-15'	200316-91	ND	20.7 *	393	1
B19-20'	200316-92	ND	29.7 *	662	2
B19-25'	200316-93	ND	23.2 *	601	2
B19-30'	200316-94	34.6 *	32.5 *	866	2
METHOD BLANK		ND	ND	ND	1
	PQL	**10**	**10**	**50**	

COMMENTS
C6-C12 = GASOLINE RANGE
C13-C22 = DIESEL RANGE
C23-C32 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF STANDARD

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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PROJECT: **1633 26th St.**

PROJECT NO.: **100952006**
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DATE REPORTED: 03/23/20

MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B; PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C6-C12	C13-C22	C23-C32	DF
B19-35'	200316-95	ND	ND	884	10
B20-5'	200316-96	ND	ND	ND	1
B20-10'	200316-97	ND	16.6 *	344	1
B20-15'	200316-98	ND	16.6 *	317	1
B20-20'	200316-99	ND	607 *	7570	10
B20-25'	200316-100	ND	25.1 *	1240	2
B20-30'	200316-101	ND	ND	128	1
B20-35'	200316-102	ND	ND	ND	1
B21-5'	200316-103	ND	ND	264	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C6-C12 = GASOLINE RANGE
C13-C22 = DIESEL RANGE
C23-C32 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

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8015B QA/QC Report

Date Analyzed: 3/18~19/2020 **Units:** mg/Kg (ppm)

Matrix: Soil/Solid/Sludge/Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 200316-78 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	168	84%	159	80%	6%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	177	89%	75-125

Analyzed and Reviewed By: ____________

Final Reviewer: ____________

Enviro Chem, Inc

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8015B QA/QC Report

Date Analyzed: 3/18~19/2020 **Units:** mg/Kg (ppm)

Matrix: Soil/Solid/Sludge/Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 200316-102 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	160	80%	167	84%	4%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	197	99%	75-125

Analyzed and Reviewed By: ____________

Final Reviewer: ____________

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-5'** LAB I.D.: 200316-75

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	15.7	0.3	1	500	5.0	6010B
Barium(Ba)	139	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.661	0.5	1	100	1.0	6010B
Chromium Total(Cr)	41.0	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.2	1.0	1	8,000	80	6010B
Copper(Cu)	25.3	1.0	1	2,500	25	6010B
Lead(Pb)	8.80	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.032	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	22.2	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	60.5	5.0	1	2,400	24	6010B
Zinc(Zn)	85.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-10'**
LAB I.D.: 200316-76

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	12.3	0.3	1	500	5.0	6010B
Barium(Ba)	128	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.648	0.5	1	100	1.0	6010B
Chromium Total(Cr)	67.6 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	13.9	1.0	1	8,000	80	6010B
Copper(Cu)	41.1	1.0	1	2,500	25	6010B
Lead(Pb)	8.72	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.037	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	41.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	69.0	5.0	1	2,400	24	6010B
Zinc(Zn)	89.3	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-15'** LAB I.D.: 200316-77

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	12.4	0.3	1	500	5.0	6010B
Barium(Ba)	107	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.641	0.5	1	100	1.0	6010B
Chromium Total(Cr)	61.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	12.9	1.0	1	8,000	80	6010B
Copper(Cu)	38.8	1.0	1	2,500	25	6010B
Lead(Pb)	8.29	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.032	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	38.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	62.6	5.0	1	2,400	24	6010B
Zinc(Zn)	82.9	0.5	1	5,000	250	6010B

COMMENTS
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-20'** LAB I.D.: 200316-78

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.24	0.3	1	500	5.0	6010B
Barium(Ba)	119	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.574	0.5	1	100	1.0	6010B
Chromium Total(Cr)	58.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.8	1.0	1	8,000	80	6010B
Copper(Cu)	33.5	1.0	1	2,500	25	6010B
Lead(Pb)	7.21	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.036	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	33.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	59.0	5.0	1	2,400	24	6010B
Zinc(Zn)	79.5	0.5	1	5,000	250	6010B

COMMENTS
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MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-25'** LAB I.D.: 200316-79

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.42	0.3	1	500	5.0	6010B
Barium(Ba)	180	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	72.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	13.0	1.0	1	8,000	80	6010B
Copper(Cu)	31.3	1.0	1	2,500	25	6010B
Lead(Pb)	6.66	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.032	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	32.3	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	68.2	5.0	1	2,400	24	6010B
Zinc(Zn)	89.1	0.5	1	5,000	250	6010B

COMMENTS
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-30'** LAB I.D.: 200316-80

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.73	0.3	1	500	5.0	6010B
Barium(Ba)	80.1	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	53.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.03	1.0	1	8,000	80	6010B
Copper(Cu)	27.1	1.0	1	2,500	25	6010B
Lead(Pb)	5.55	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.029	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	26.9	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	42.6	5.0	1	2,400	24	6010B
Zinc(Zn)	58.0	0.5	1	5,000	250	6010B

COMMENTS
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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B17-35'** LAB I.D.: 200316-81

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.85	0.3	1	500	5.0	6010B
Barium(Ba)	62.3	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	43.1	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	6.06	1.0	1	8,000	80	6010B
Copper(Cu)	23.5	1.0	1	2,500	25	6010B
Lead(Pb)	1.56	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.051	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	22.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	38.0	5.0	1	2,400	24	6010B
Zinc(Zn)	53.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-5'**
LAB I.D.: 200316-82

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.74	0.3	1	500	5.0	6010B
Barium(Ba)	149	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	0.697	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	19.6	1.0	1	8,000	80	6010B
Copper(Cu)	32.5	1.0	1	2,500	25	6010B
Lead(Pb)	8.66	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.033	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	36.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	57.4	5.0	1	2,400	24	6010B
Zinc(Zn)	74.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-10'**
LAB I.D.: 200316-83

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.05	0.3	1	500	5.0	6010B
Barium(Ba)	178	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.20	0.5	1	100	1.0	6010B
Chromium Total(Cr)	56.9 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.1	1.0	1	8,000	80	6010B
Copper(Cu)	44.7	1.0	1	2,500	25	6010B
Lead(Pb)	32.7	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.068	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	38.1	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	52.9	5.0	1	2,400	24	6010B
Zinc(Zn)	125	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-15'** LAB I.D.: 200316-84

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.78	0.3	1	500	5.0	6010B
Barium(Ba)	178	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.80	0.5	1	100	1.0	6010B
Chromium Total(Cr)	67.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.7	1.0	1	8,000	80	6010B
Copper(Cu)	97.8	1.0	1	2,500	25	6010B
Lead(Pb)	133 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.131	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	41.5	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.17	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	50.3	5.0	1	2,400	24	6010B
Zinc(Zn)	243	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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-- = Not analyzed/not requested

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LABORATORY REPORT

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
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DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-20'**
LAB I.D.: 200316-85

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	18.7	0.3	10	500	5.0	6010B
Barium(Ba)	541	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	5.25	0.5	10	100	1.0	6010B
Chromium Total(Cr)	191	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	18.6	1.0	10	8,000	80	6010B
Copper(Cu)	539	1.0	10	2,500	25	6010B
Lead(Pb)	1,210 ***	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.828	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	967	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	ND	5.0	10	2,400	24	6010B
Zinc(Zn)	1,940	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-25'** LAB I.D.: 200316-86

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.71	0.3	1	500	5.0	6010B
Barium(Ba)	92.1	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	61.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.90	1.0	1	8,000	80	6010B
Copper(Cu)	30.4	1.0	1	2,500	25	6010B
Lead(Pb)	8.16	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.027	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	28.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	43.2	5.0	1	2,400	24	6010B
Zinc(Zn)	69.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-30'**
LAB I.D.: 200316-87

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.99	0.3	1	500	5.0	6010B
Barium(Ba)	97.0	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	67.3 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.24	1.0	1	8,000	80	6010B
Copper(Cu)	34.8	1.0	1	2,500	25	6010B
Lead(Pb)	5.52	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.038	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	43.3	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	56.8	5.0	1	2,400	24	6010B
Zinc(Zn)	82.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________________
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LABORATORY REPORT

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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B18-35'** LAB I.D.: 200316-88

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.95	0.3	1	500	5.0	6010B
Barium(Ba)	104	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	57.3 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	4.34	1.0	1	8,000	80	6010B
Copper(Cu)	40.9	1.0	1	2,500	25	6010B
Lead(Pb)	7.90	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.038	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	19.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	43.0	5.0	1	2,400	24	6010B
Zinc(Zn)	63.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
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DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-5'**
LAB I.D.: 200316-89

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.06	0.3	1	500	5.0	6010B
Barium(Ba)	111	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.521	0.5	1	100	1.0	6010B
Chromium Total(Cr)	39.8	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.82	1.0	1	8,000	80	6010B
Copper(Cu)	20.6	1.0	1	2,500	25	6010B
Lead(Pb)	5.87	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.031	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	14.1	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	41.7	5.0	1	2,400	24	6010B
Zinc(Zn)	50.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-10'** LAB I.D.: 200316-90

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.35	0.3	1	500	5.0	6010B
Barium(Ba)	144	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.868	0.5	1	100	1.0	6010B
Chromium Total(Cr)	74.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.4	1.0	1	8,000	80	6010B
Copper(Cu)	45.3	1.0	1	2,500	25	6010B
Lead(Pb)	39.7	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.049	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	40.0	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	49.1	5.0	1	2,400	24	6010B
Zinc(Zn)	162	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-15'**
LAB I.D.: 200316-91

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	15.4	0.3	10	500	5.0	6010B
Barium(Ba)	450	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	4.13	0.5	10	100	1.0	6010B
Chromium Total(Cr)	84.2 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	10.6	1.0	10	8,000	80	6010B
Copper(Cu)	354 *	1.0	10	2,500	25	6010B
Lead(Pb)	876 *	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.576	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	35.8	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	ND	5.0	10	2,400	24	6010B
Zinc(Zn)	736	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-75 THROUGH -91

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
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STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/18/2020

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200316-81	50.0	99	*PASS*	6.85	50.0	47.3	81%	46.9	80%	1%
Lead(Pb)	200316-81	50.0	102	*PASS*	4.56	50.0	44.7	80%	45.1	81%	1%
Nickel(Ni)	200316-81	50.0	103	*PASS*	22.6	50.0	65.3	85%	65.7	86%	1%

ANALYSIS DATE. : 3/17/2020

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200316-75	0.125	98	*PASS*	*0.032*	0.125	0.135	83%	0.138	85%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Nickel(Ni)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-20'** LAB I.D.: 200316-92

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.54	0.3	1	500	5.0	6010B
Barium(Ba)	243	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	2.59	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.2 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.38	1.0	1	8,000	80	6010B
Copper(Cu)	75.2	1.0	1	2,500	25	6010B
Lead(Pb)	155 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.513	0.01	2	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	30.0	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.30	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	31.0	5.0	1	2,400	24	6010B
Zinc(Zn)	449	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-25'** LAB I.D.: 200316-93

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	5.08	1.0	1	500	15	6010B
Arsenic(As)	4.45	0.3	1	500	5.0	6010B
Barium(Ba)	150	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.31	0.5	1	100	1.0	6010B
Chromium Total(Cr)	26.6	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	4.50	1.0	1	8,000	80	6010B
Copper(Cu)	87.8	1.0	1	2,500	25	6010B
Lead(Pb)	217 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.334	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	11.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	17.8	5.0	1	2,400	24	6010B
Zinc(Zn)	214	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
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REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-30'** LAB I.D.: 200316-94

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	9.67	0.3	1	500	5.0	6010B
Barium(Ba)	227	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	2.72	0.5	1	100	1.0	6010B
Chromium Total(Cr)	71.1 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.90	1.0	1	8,000	80	6010B
Copper(Cu)	220	1.0	1	2,500	25	6010B
Lead(Pb)	172 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.184	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	29.1	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.36	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	35.7	5.0	1	2,400	24	6010B
Zinc(Zn)	367	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
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ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/16/20
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DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B19-35'**
LAB I.D.: 200316-95

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	8.62	0.3	1	500	5.0	6010B
Barium(Ba)	252	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	3.13	0.5	1	100	1.0	6010B
Chromium Total(Cr)	68.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.98	1.0	1	8,000	80	6010B
Copper(Cu)	130	1.0	1	2,500	25	6010B
Lead(Pb)	219 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.253	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	40.7	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	1.49	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	33.4	5.0	1	2,400	24	6010B
Zinc(Zn)	484	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: ________________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-5'** LAB I.D.: 200316-96

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.49	0.3	1	500	5.0	6010B
Barium(Ba)	92.5	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.745	0.5	1	100	1.0	6010B
Chromium Total(Cr)	42.7	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.99	1.0	1	8,000	80	6010B
Copper(Cu)	16.1	1.0	1	2,500	25	6010B
Lead(Pb)	4.64	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.152	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	19.3	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	41.1	5.0	1	2,400	24	6010B
Zinc(Zn)	58.6	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: [signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-10'** LAB I.D.: 200316-97

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	10	500	15	6010B
Arsenic(As)	15.6	0.3	10	500	5.0	6010B
Barium(Ba)	368	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	86.0 **	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	10	8,000	80	6010B
Copper(Cu)	245	1.0	10	2,500	25	6010B
Lead(Pb)	308 *	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.170	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	32.7	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	ND	5.0	10	2,400	24	6010B
Zinc(Zn)	562	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-15'** LAB I.D.: 200316-98

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.86	0.3	1	500	5.0	6010B
Barium(Ba)	160	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	0.853	0.5	1	100	1.0	6010B
Chromium Total(Cr)	43.2	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	5.71	1.0	1	8,000	80	6010B
Copper(Cu)	34.3	1.0	1	2,500	25	6010B
Lead(Pb)	31.3	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.138	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	14.9	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	33.4	5.0	1	2,400	24	6010B
Zinc(Zn)	112	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-20'**
LAB I.D.: 200316-99

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	51.9	1.0	10	500	15	6010B
Arsenic(As)	5.60	0.3	10	500	5.0	6010B
Barium(Ba)	182	5.0	10	10,000	100	6010B
Beryllium(Be)	ND	0.5	10	75	0.75	6010B
Cadmium(Cd)	ND	0.5	10	100	1.0	6010B
Chromium Total(Cr)	50.8	0.5	10	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	10	8,000	80	6010B
Copper(Cu)	126	1.0	10	2,500	25	6010B
Lead(Pb)	1,710 ***	0.5	10	1,000	5.0	6010B
Mercury(Hg)	0.358	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	10	3,500	350	6010B
Nickel(Ni)	ND	2.5	10	2,000	20	6010B
Selenium(Se)	ND	1.0	10	100	1.0	6010B
Silver(Ag)	ND	1.0	10	500	5.0	6010B
Thallium(Tl)	ND	1.0	10	700	7.0	6010B
Vanadium(V)	ND	5.0	10	2,400	24	6010B
Zinc(Zn)	291	0.5	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-25'** LAB I.D.: 200316-100

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.47	0.3	1	500	5.0	6010B
Barium(Ba)	142	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	1.06	0.5	1	100	1.0	6010B
Chromium Total(Cr)	76.8 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	8.54	1.0	1	8,000	80	6010B
Copper(Cu)	84.7	1.0	1	2,500	25	6010B
Lead(Pb)	90.1 *	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.126	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	25.9	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	33.7	5.0	1	2,400	24	6010B
Zinc(Zn)	197	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-30'**
LAB I.D.: 200316-101

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	7.02	0.3	1	500	5.0	6010B
Barium(Ba)	89.5	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	65.3 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	7.73	1.0	1	8,000	80	6010B
Copper(Cu)	33.5	1.0	1	2,500	25	6010B
Lead(Pb)	18.9	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.047	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	26.8	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	37.0	5.0	1	2,400	24	6010B
Zinc(Zn)	82.2	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

SAMPLE I.D.: **B20-35'**
LAB I.D.: 200316-102

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.20	0.3	1	500	5.0	6010B
Barium(Ba)	95.9	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	64.4 **	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	6.44	1.0	1	8,000	80	6010B
Copper(Cu)	31.0	1.0	1	2,500	25	6010B
Lead(Pb)	5.07	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.047	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	27.4	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	34.8	5.0	1	2,400	24	6010B
Zinc(Zn)	64.9	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 03/17&18/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 03/23/20

SAMPLE I.D.: **B21-5'** LAB I.D.: 200316-103

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.26	0.3	1	500	5.0	6010B
Barium(Ba)	161	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	49.9	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	11.5	1.0	1	8,000	80	6010B
Copper(Cu)	26.7	1.0	1	2,500	25	6010B
Lead(Pb)	7.77	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.058	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	13.0	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	44.2	5.0	1	2,400	24	6010B
Zinc(Zn)	63.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 03/17&18/20
DATE REPORTED: 03/23/20

METHOD BLANK FOR LAB I.D.: 200316-92 THROUGH -103

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.3	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 3/18/2020

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200316-101	50.0	95	*PASS*	7.02	50.0	44.0	74%	46.7	79%	7%
Lead(Pb)	200316-101	50.0	101	*PASS*	18.9	50.0	74.1	110%	77.6	117%	6%
Nickel(Ni)	200316-101	50.0	108	*PASS*	26.8	50.0	69.8	86%	73.0	92%	7%

ANALYSIS DATE. : 3/17/2020

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200317-11	0.125	92	*PASS*	*0*	0.125	0.113	90%	0.106	85%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Nickel(Ni)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc 6-32 8015m	VOCs 8260B	Title 22 Metals 6010/7000	COMMENTS
						4oz Jar					
B17-5'	20031675	3-16-20	7:50	Soil	1	bt	NA	X	X	X	
B17-10'	-76		8:05			bt					
B17-15'	-77		8:09								
B17-20'	-78		8:15								
B17-25'	-79		8:20								
B17-30'	-80		8:28								
B17-35'	-81		8:34								
B18-5'	-82		9:23			4oz Jar					
B18-10'	-83		9:40			1xbt					
B18-15'	-84		9:47								
B18-20'	-85		9:53								
B18-25'	-86		9:54								
B18-30'	-87		10:05								
B18-35'	-88		10:10								
B19-5'	-89		13:25			1xbt					

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103,
City/State/Zip: Corona /CA /92880

Project Contact: CRAIG METHENY / Jon Anderson
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 100925006
52

Relinquished by: Jon Anderson	Received by: Jessica	Date & Time: 3/16/20 1600	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD
WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-2020

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week (Standard)~~
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc6-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000	COMMENTS
B19-10'	200316-90	3-16-20	13:32	Soil	1	1Xbt	NA	X	X	X	
B19-15'	-91		13:36								
B19-20'	-92		13:43								
B19-25'	-93		13:48								
B19-30'	-94		13:52								
B19-35'	-95		13:56								
B20-5'	-96		11:04		1X4OZ Jar						
B20-10'	-97		12:09		1Xbt						
B20-15'	-98		12:16								
B20-20'	-99		12:22								
B20-25'	-100		12:27								
B20-30'	-101		12:33								
B20-35'	-102		12:38								
B21-5'	-103		14:50		1X4OZ Jar						

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry / Jon Andersen
Tel: 951-736-5339
Fax/Email: jandersen@ardentenv.com

Sampler's Signature: Jon Andersen
Project Name/ID: 1633 26th St
100925006
52

Relinquished by: Jon Andersen	Received by: Jessica	Date & Time: 3/16/20 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

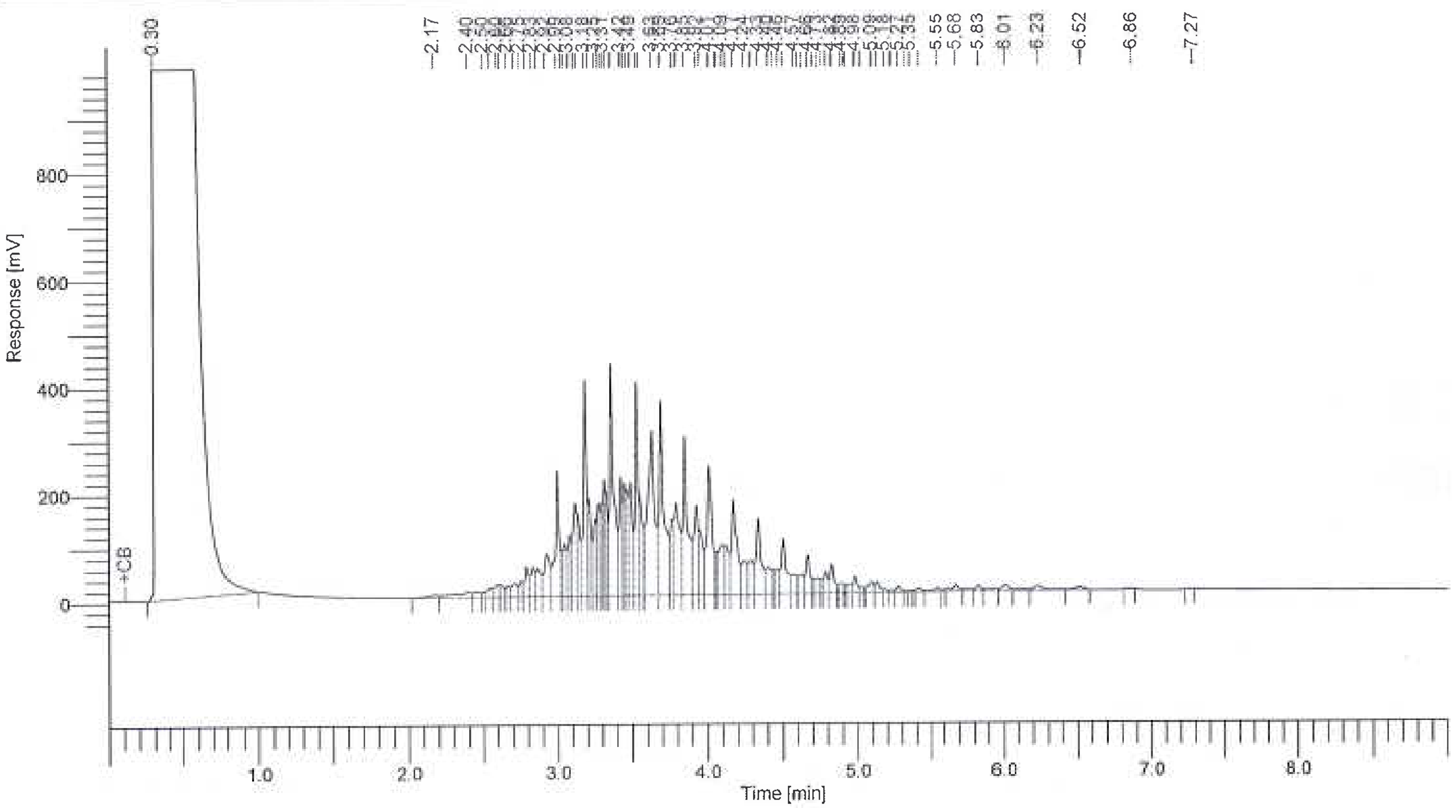
Date: 3-16-20

Page 2 of 2

Software Version : 6.3.2.0646
Sample Name : DIESEL CCV 2000PPM (GC-3634)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

Date : 3/19/2020 3:20:08 PM
Data Acquisition Time : 3/18/2020 9:04:00 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A004.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

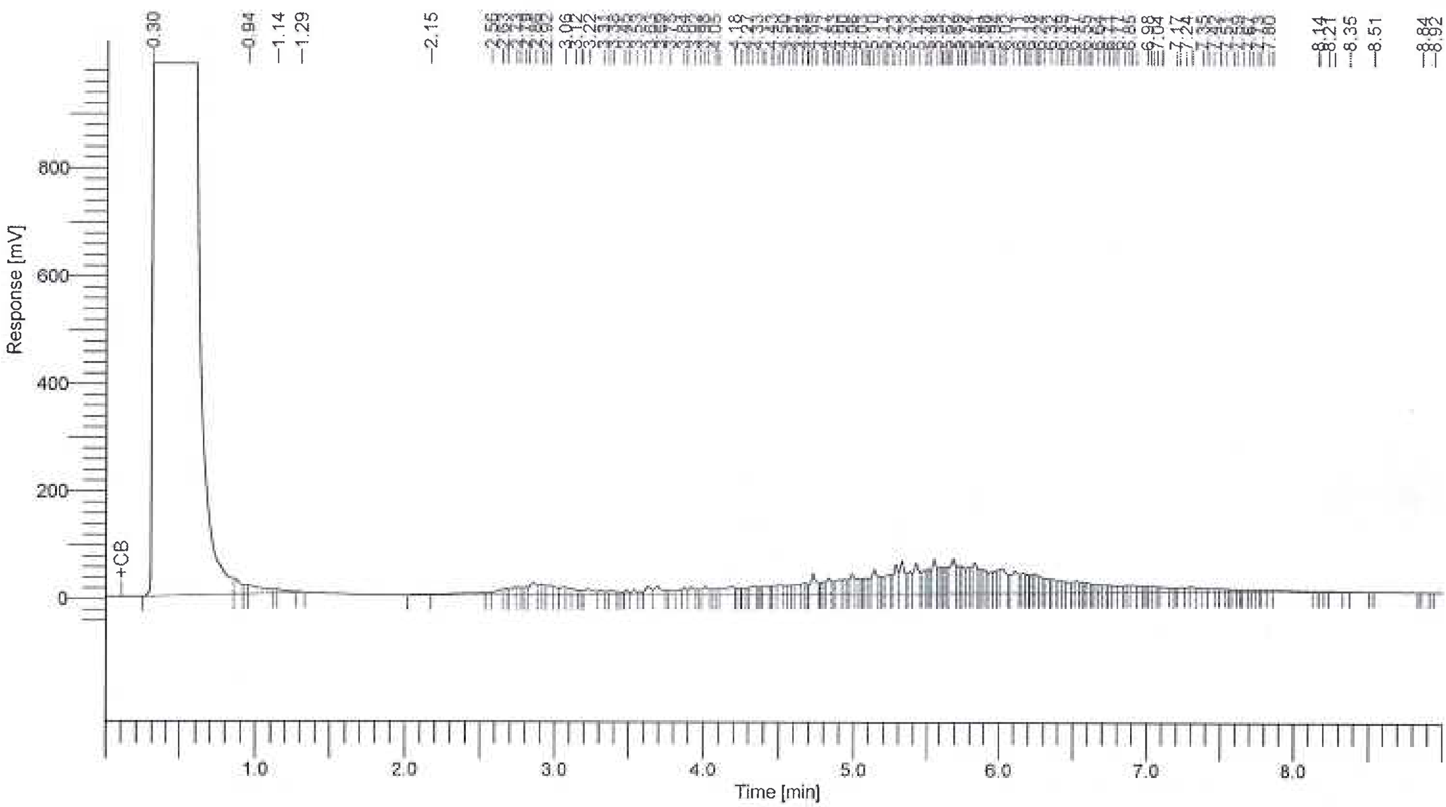
Component Name	Area [uV*sec]	Adjusted Amount
C10-C28	13778364	1999.6
	13778364	1999.6

Software Version : 6.3.2.0646
Sample Name : 200316-84 20/20
Instrument Name : GC-I
Rack/Vial : 0/14
Sample Amount : 1.000000
Cycle : 10

(B-18.15')

Date : 3/19/2020 9:46:51 AM
Data Acquisition Time : 3/18/2020 1:49:20 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A016.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



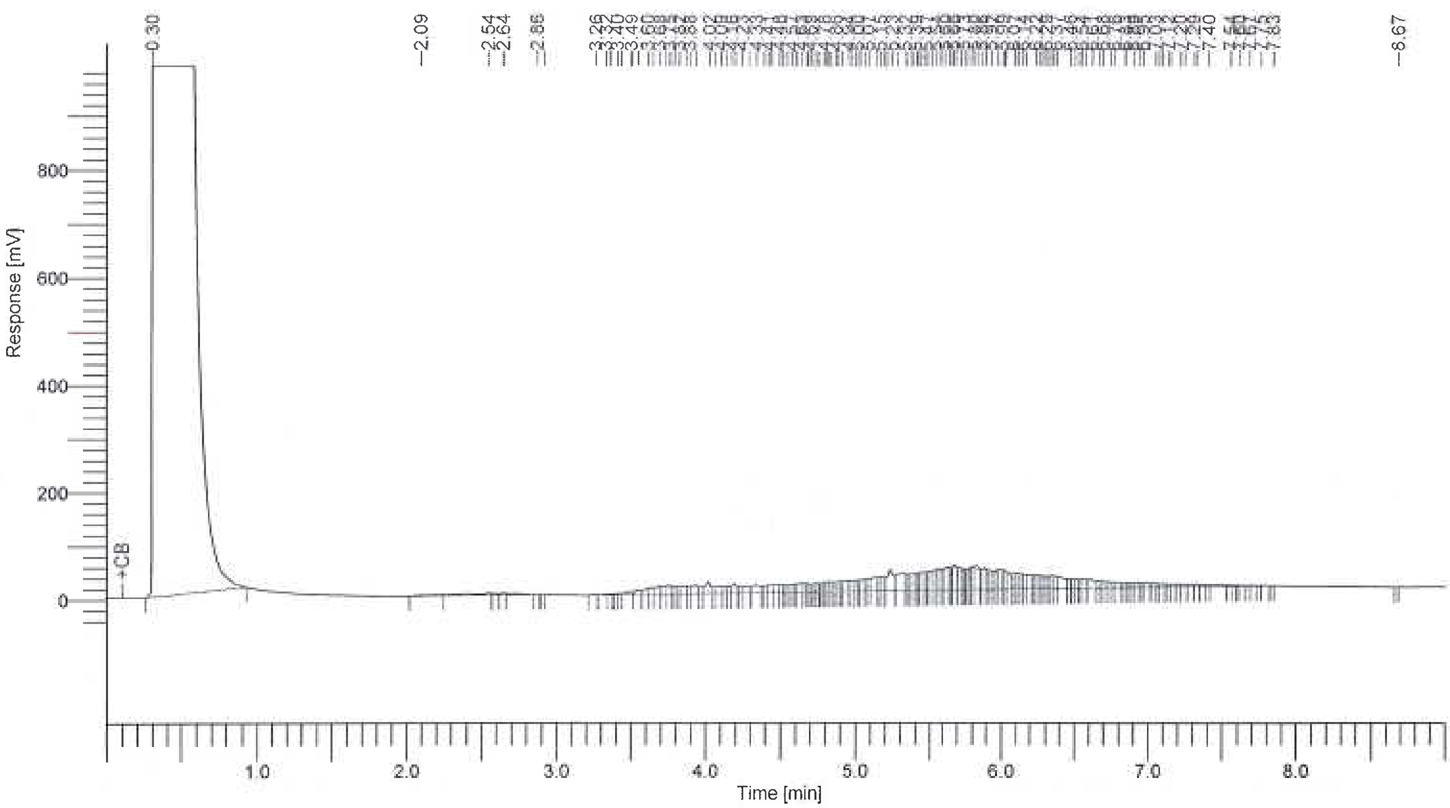
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	409735	-132.4
C13-C22	1041362	125.2
C23-C32	3441103	2022.9
	4892199	2015.7

Software Version : 6.3.2.0646
Sample Name : 200316-90 20/2 RE (B19-10')
Instrument Name : GC-I
Rack/Vial : 0/44
Sample Amount : 1.000000
Cycle : 47

Date : 3/19/2020 9:57:06 AM
Data Acquisition Time : 3/18/2020 9:16:38 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A053.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



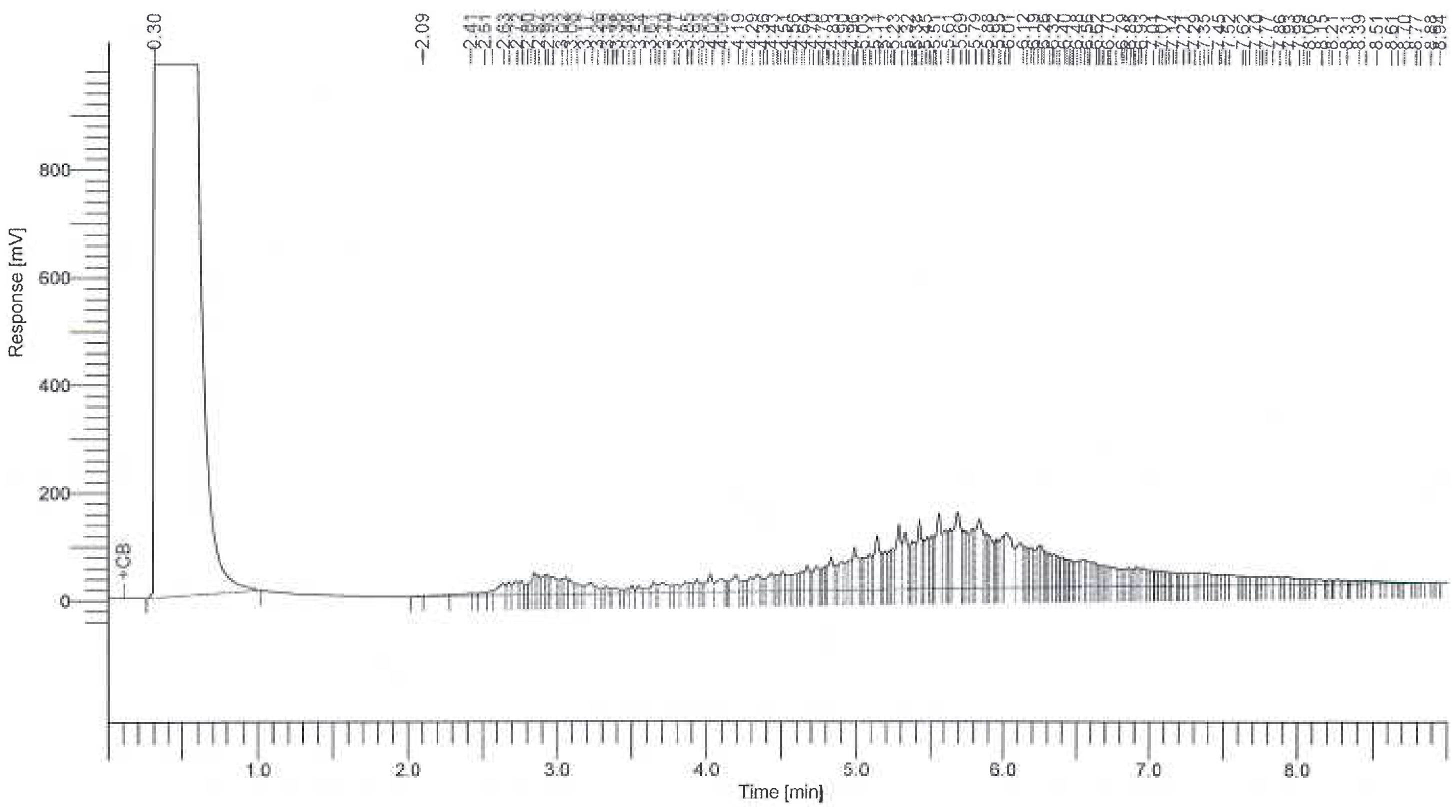
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	73461	-212.1
C13-C22	977708	120.0
C23-C32	2513171	1618.7
	3564341	1526.6

Software Version : 6.3.2.0646
Sample Name : 200316-91 20/2 RE (B-19-15')
Instrument Name : GC-I
Rack/Vial : 0/45
Sample Amount : 1.000000
Cycle : 48

Date : 3/19/2020 9:57:38 AM
Data Acquisition Time : 3/18/2020 9:28:44 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A054.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



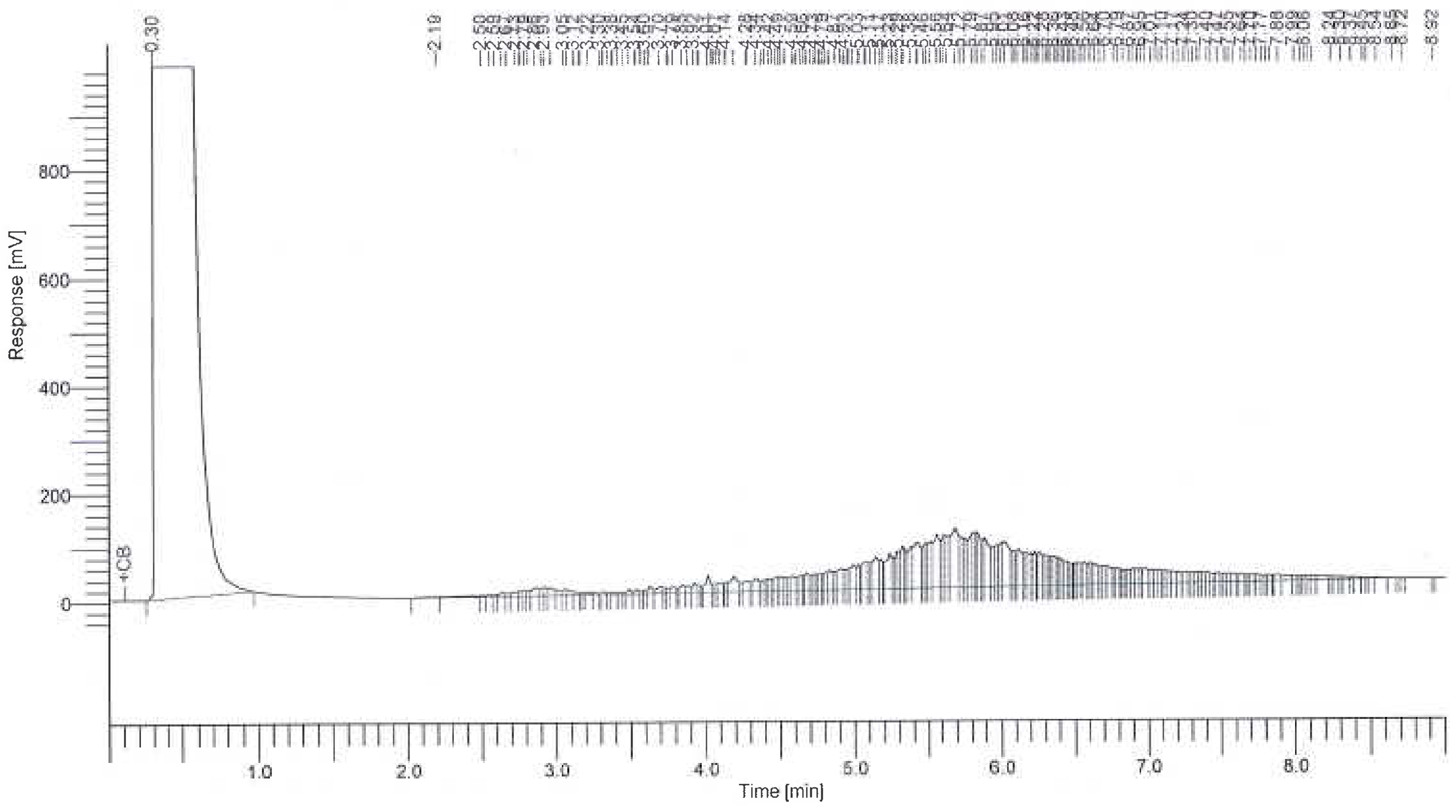
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	701697	-63.2
C13-C22	2034931	206.8
C23-C32	7818963	3929.8
	10555591	4073.4

Software Version : 6.3.2.0646
Sample Name : 200316-92 20/4 RE (B-19-20)
Instrument Name : GC-I
Rack/Vial : 0/46
Sample Amount : 1.000000
Cycle : 49

Date : 3/19/2020 9:58:13 AM
Data Acquisition Time : 3/18/2020 9:40:50 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A055.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



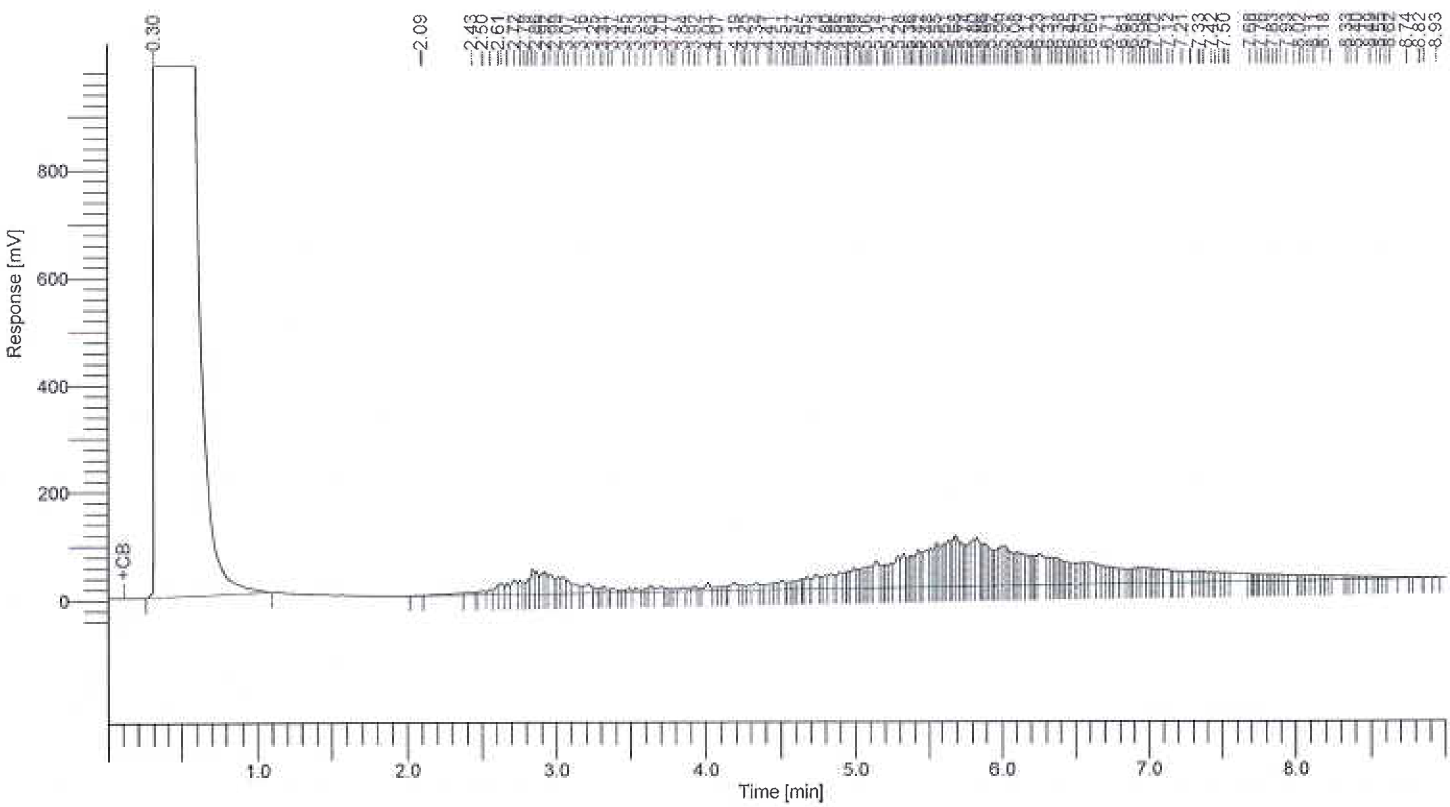
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	273568	-164.7
C13-C22	1327424	148.7
C23-C32	6401545	3312.4
	8002537	3296.4

Software Version : 6.3.2.0646
Sample Name : 200316-93 20/4 RE (B-R-25)
Instrument Name : GC-I
Rack/Vial : 0/47
Sample Amount : 1.000000
Cycle : 50

Date : 3/19/2020 9:58:49 AM
Data Acquisition Time : 3/18/2020 9:52:54 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A056.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



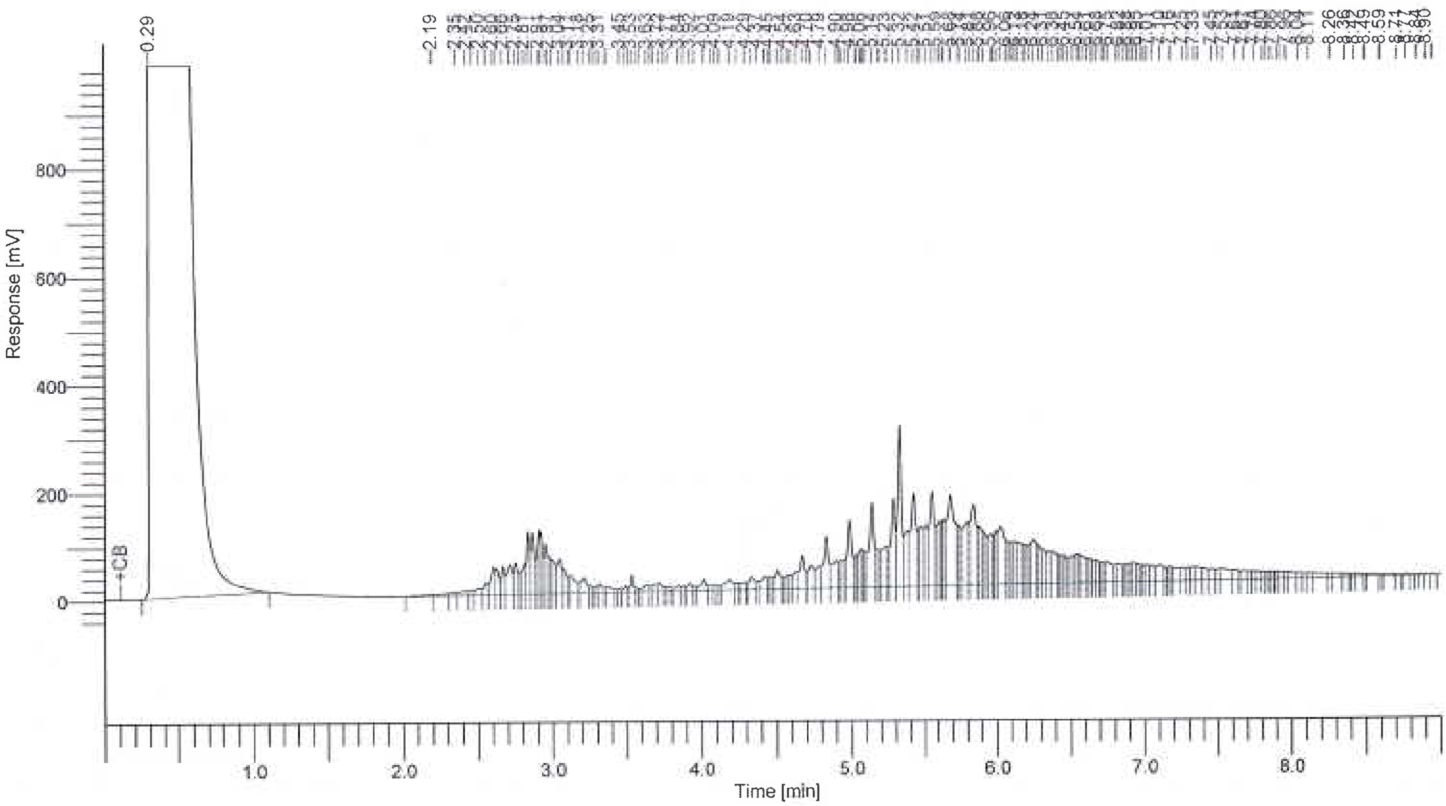
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	731349	-56.2
C13-C22	932384	116.2
C23-C32	5694165	3004.3
	7357898	3064.3

Software Version : 6.3.2.0646
Sample Name : 200316-94 20/4 RE / B-19-30'
Instrument Name : GC-I
Rack/Vial : 0/48
Sample Amount : 1.000000
Cycle : 51

Date : 3/19/2020 9:59:39 AM
Data Acquisition Time : 3/18/2020 10:05:00 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A057.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

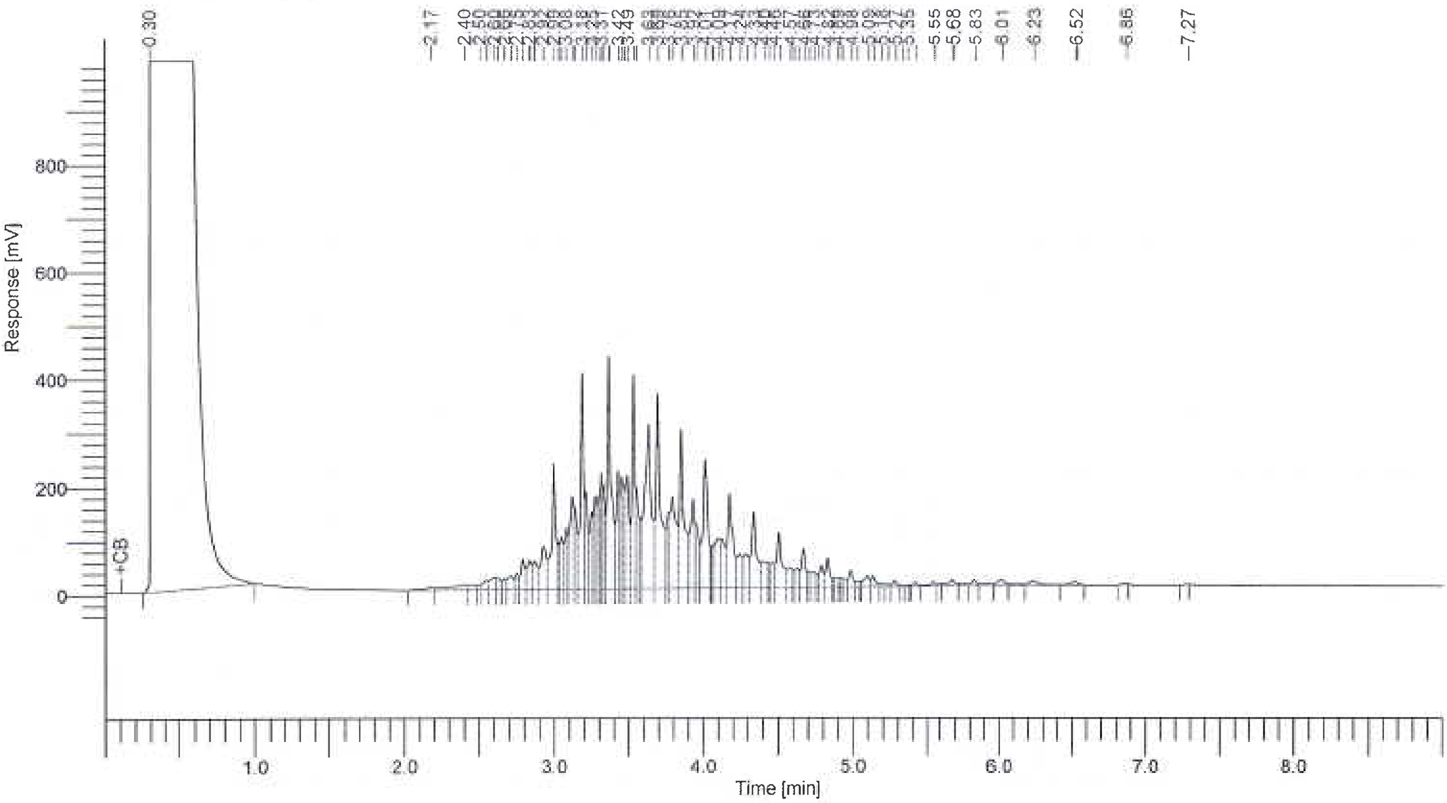
Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	1698461	173.0
C13-C22	1498146	162.7
C23-C32	8737273	4329.8
	11933880	4665.5

Software Version : 6.3.2.0646
Sample Name : DIESEL CCV 2000PPM (GC-3634)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

DIESEL STANDARD

Date : 3/19/2020 3:20:04 PM
Data Acquisition Time : 3/18/2020 9:04:00 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A004.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



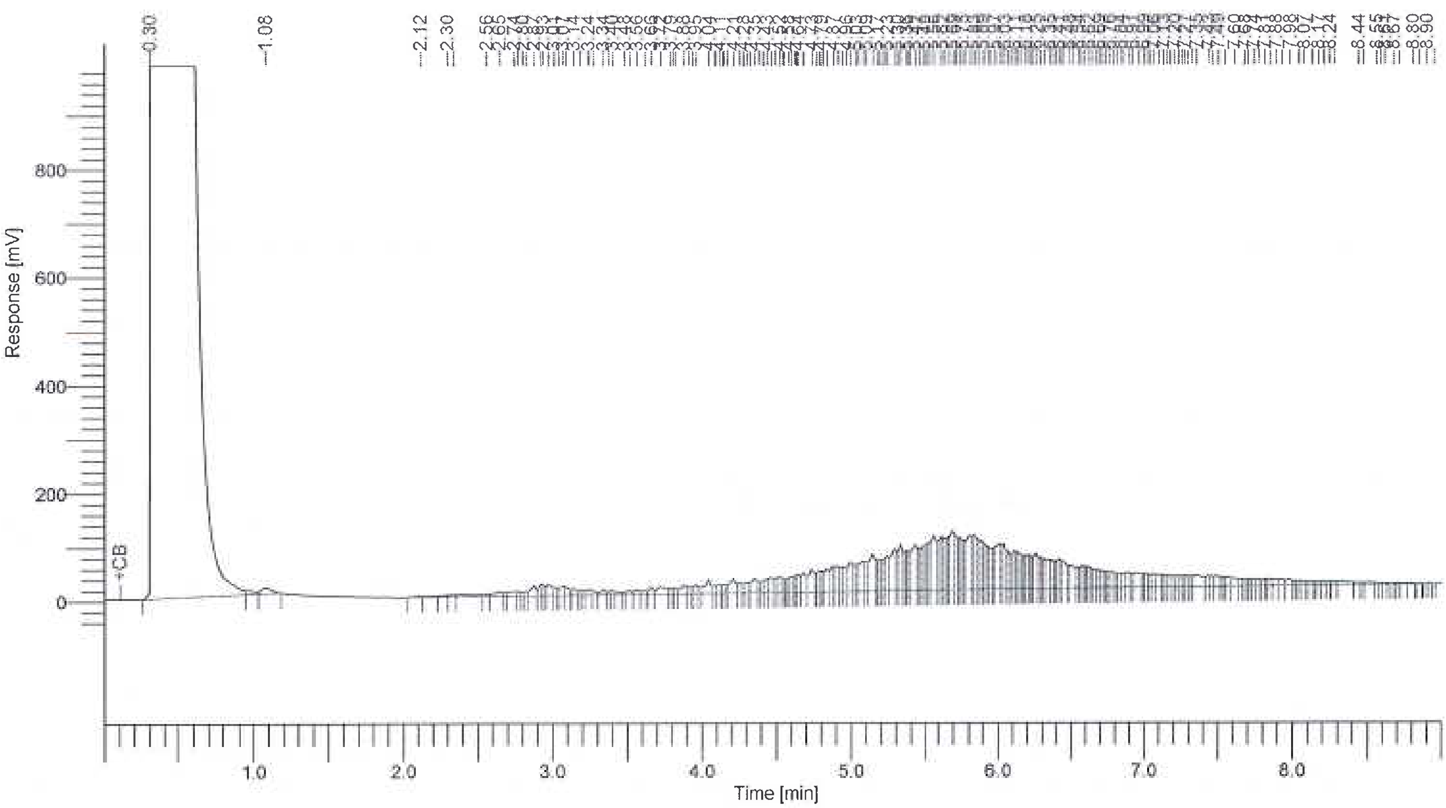
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10-C28	13778364	1999.6
	13778364	1999.6

Software Version : 6.3.2.0646
Sample Name : 200316-97 20/2 RE (B-30-10')
Instrument Name : GC-I
Rack/Vial : 0/56
Sample Amount : 1.000000
Cycle : 3

Date : 3/19/2020 2:50:45 PM
Data Acquisition Time : 3/19/2020 11:12:31 AM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A072.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

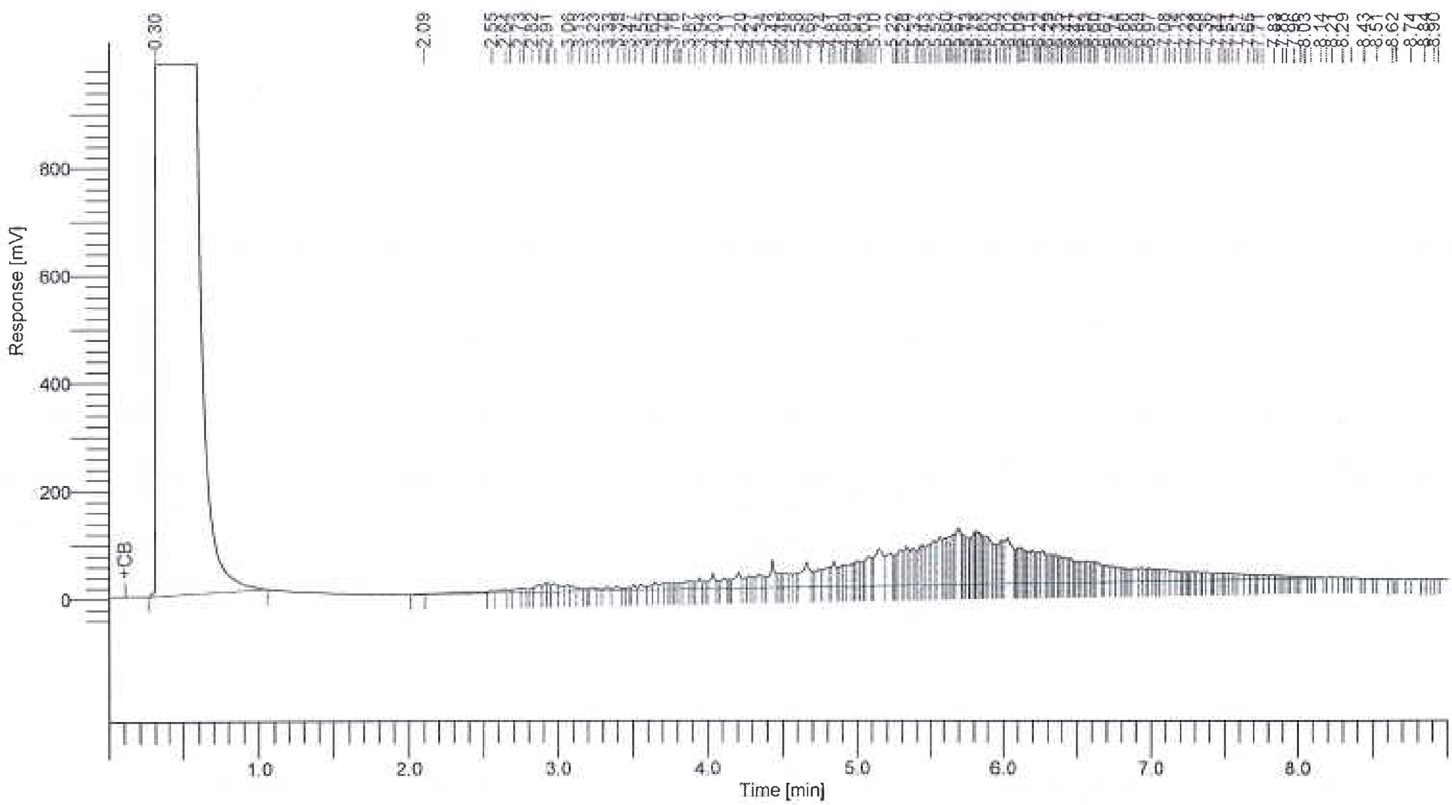
Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	348759	-146.8
C13-C22	1540031	166.1
C23-C32	6692262	3439.0
	8581051	3458.3

Software Version : 6.3.2.0646
Sample Name : 200316-98 20/2 RE
Instrument Name : GC-I
Rack/Vial : 0/57
Sample Amount : 1.000000
Cycle : 4

(B-70-75')

Date : 3/19/2020 3:19:05 PM
Data Acquisition Time : 3/19/2020 11:24:30 AM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A073.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

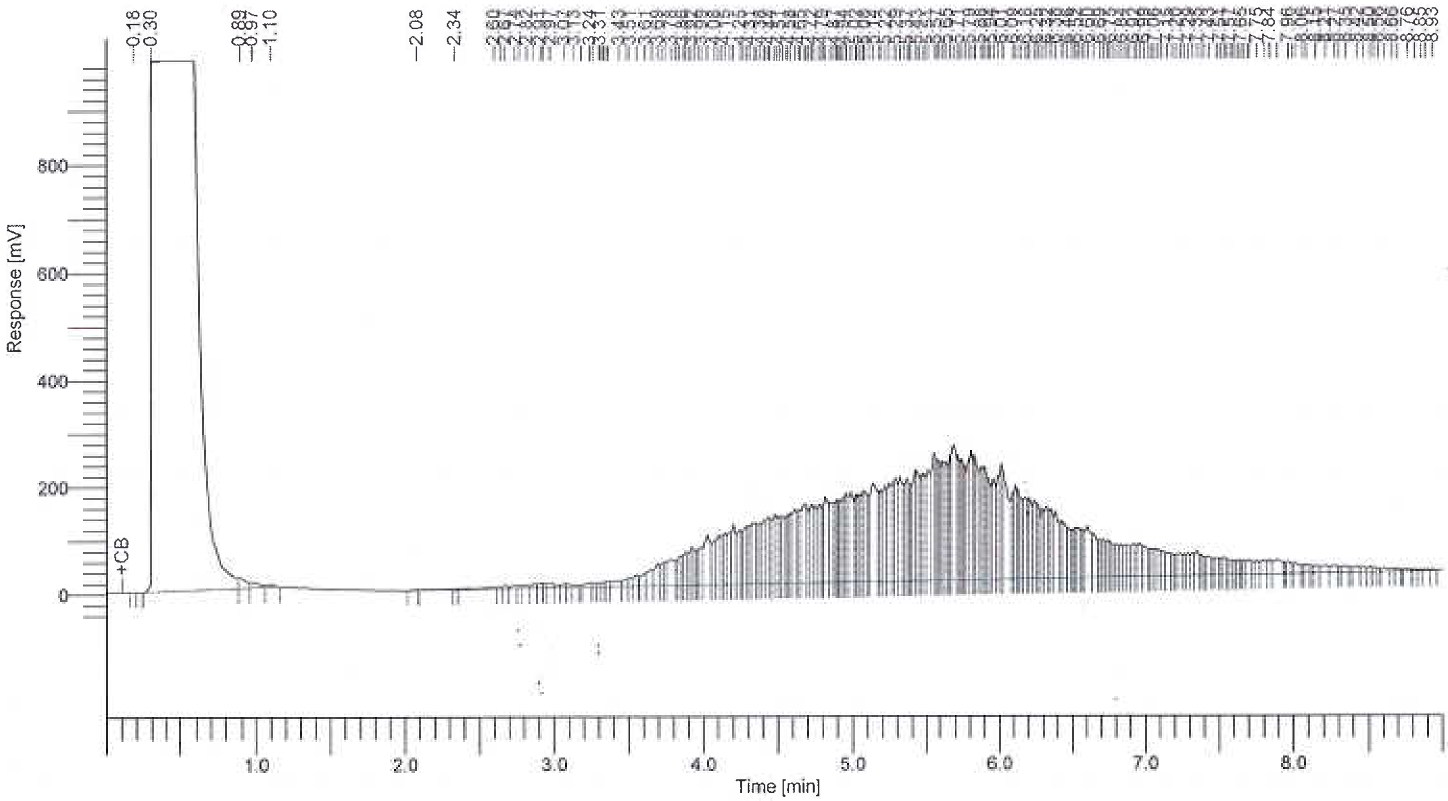
Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	230619	-174.8
C13-C22	1537573	165.9
C23-C32	6072959	3169.3
	7841151	3160.4

Software Version : 6.3.2.0646
Sample Name : 200316-99 20/20
Instrument Name : GC-I
Rack/Vial : 0/31
Sample Amount : 1.000000
Cycle : 30

B-20-20'

Date : 3/19/2020 9:51:57 AM
Data Acquisition Time : 3/18/2020 5:50:43 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A036.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



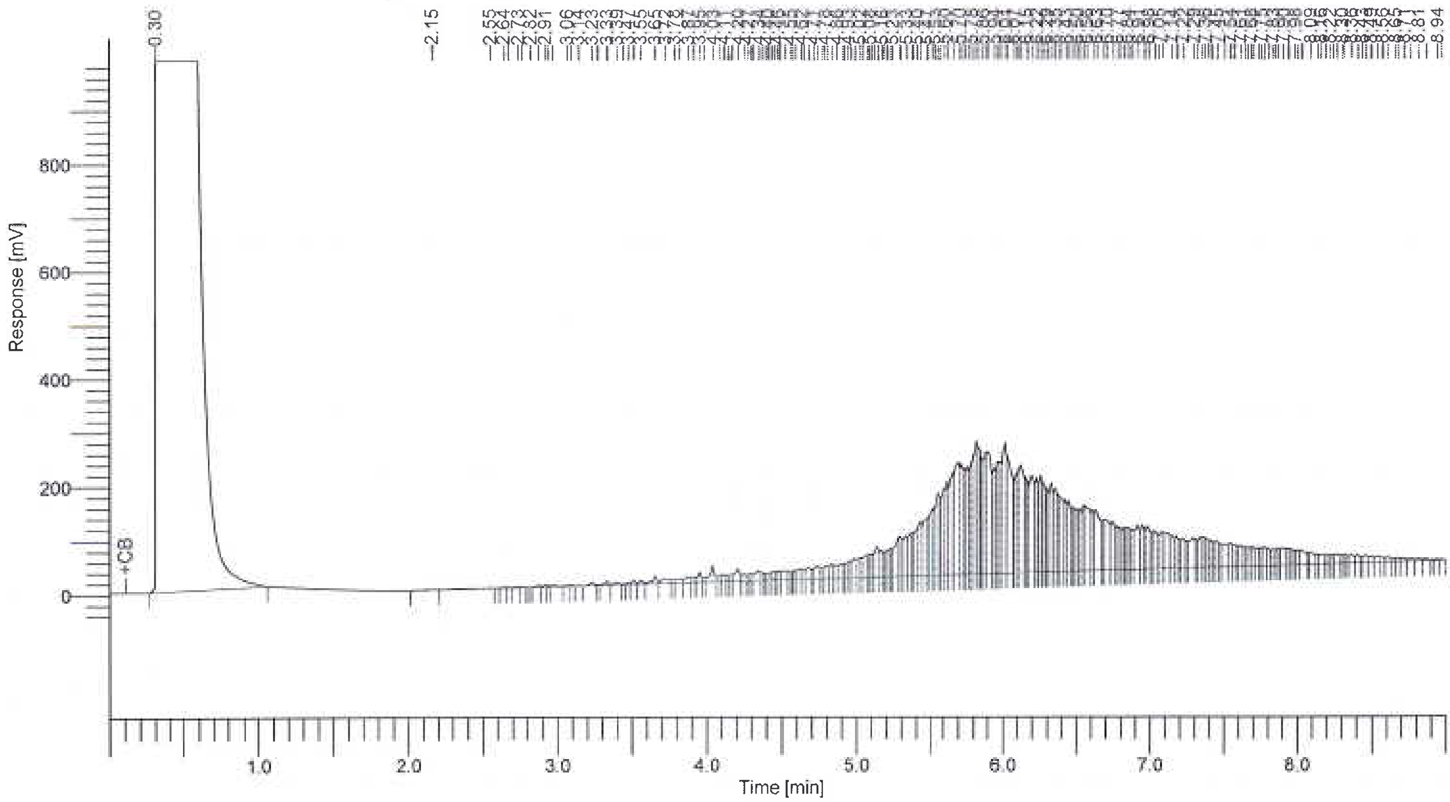
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	236766	-173.4
C13-C22	6907241	607.0
C23-C32	16170390	7567.5
	23314398	8001.1

Software Version : 6.3.2.0646
Sample Name : 200316-100 20/4 RE (B.X1.25')
Instrument Name : GC-I
Rack/Vial : 0/58
Sample Amount : 1.000000
Cycle : 5

Date : 3/19/2020 3:19:22 PM
Data Acquisition Time : 3/19/2020 11:36:31 AM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2020\I2003\I200318\A074.rst
Sequence File : E:\GC DATA\GC-I\I2020\I2003\I200318\I200318.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C12	61082	-215.0
C13-C22	1044163	125.4
C23-C32	13059512	6212.5
	14164756	6122.9

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: May 1, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **additional STLC/TCLP-Pb results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/29-05/01/20
DATE REPORTED: 05/01/20

SAMPLE I.D.: **B22-10'**

LAB I.D.: 200317-52

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.22 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/29-05/01/20
DATE REPORTED: 05/01/20

SAMPLE I.D.: **B24-15'**
LAB I.D.: 200317-67

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.28 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/29-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B24-20'** LAB I.D.: 200317-68

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.08 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/29-05/01/20
DATE REPORTED: 05/01/20

METHOD BLANK FOR LAB I.D.: 200317-52, -67, -68

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	ND	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 5/1/2020 Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	200428-6	5.00	101	PASS	0.661	5.00	5.13	89%	5.14	90%	0%
Copper(Cu)	200428-6	5.00	103	PASS	4.76	5.00	8.42	73%	8.39	73%	1%
Lead(Pb)	200428-6	5.00	102	PASS	0.258	5.00	4.05	76%	4.06	76%	0%

ANALYSIS DATE: 4/30/2020

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200427-17	0.0125	91	PASS	0	0.0125	0.0108	86%	0.0103	82%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	PASS	PASS	PASS	PASS
Copper(Cu)	FAIL*	FAIL*	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Add STLC

Jonathan Anderson <janderson@ardentenv.com> Tue, Apr 28, 2020 at 12:05 PM
To: Jessica Lin <envirocheminc@gmail.com>

Good Afternoon Jessica:

Just got the results from curt yesterday, you guys accidently analyzed sample B24-15 instead of B25-15, could you please have B25-15 ran for STLC. Could you please also analyze samples B24-20 and B22-10 for soluble STLC lead.

6317-

Thanks!

B24-15	67
B24-20	68
B22-10	52

[Quoted text hidden]

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/30-05/01/20
DATE REPORTED: 05/01/20

SAMPLE I.D.: **B21-15'**
LAB I.D.: 200317-46

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.826	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B22-15'** LAB I.D.: 200317-53

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B22-20'** LAB I.D.: 200317-54

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.050	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B23-15'** LAB I.D.: 200317-60

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.053	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/30-05/01/20
DATE REPORTED: 05/01/20

SAMPLE I.D.: **B23-30'**
LAB I.D.: 200317-63

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: [signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B25-20'** LAB I.D.: 200317-75

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/01/20

SAMPLE I.D.: **B25-25'** LAB I.D.: 200317-76

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.233	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/30-05/01/20
DATE REPORTED: 05/01/20

METHOD BLANK FOR LAB I.D.: 200317-46, -53, -54, -60, -63, -75, -76

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 5/1/2020 | **Unit : *mg/L (ppm)***

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200430-5	1.00	100	*PASS*	*0.018*	1.00	1.01	99%	1.03	101%	2%
Chromium(Cr)	200430-5	1.00	101	*PASS*	*0.009*	1.00	0.972	96%	0.970	96%	0%
Lead(Pb)	200430-5	1.00	100	*PASS*	*0.017*	1.00	0.869	85%	0.882	87%	2%

ANALYSIS DATE: 4/30/2020

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200427-16	0.0125	90	*PASS*	*0*	0.0125	0.0105	84%	0.0102	82%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________________

FINAL REVIEWER: ____________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail **Jessica Lin <envirocheminc@gmail.com>**

TCLP 1633 26th street

4 messages

Jonathan Anderson <janderson@ardentenv.com> Thu, Apr 30, 2020 at 1:38 PM
To: Jessica Lin <envirocheminc@gmail.com>

Good Afternoon Jessica:

Got more TCLP request for this Job……. Could you please run the following samples for TCLP soluble lead:

200317-45/ -54 / -60

B18-15, B19-20, B19-25, B19-30, B 19-35, B20-10, B20-25, B21-15, B22-15, B22-20, B23-15, B23-30, B25-20 and B25-25. Thanks!

-53

-63/-75/ -76

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 27, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **additional STLC-Pb results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/22-24/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B21-15'** LAB I.D.: 200317-46

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	12.8 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B21-30'**
LAB I.D.: 200317-49

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	4.98	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B22-15'** LAB I.D.: 200317-53

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	20.1 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B22-20'**
LAB I.D.: 200317-54

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.38 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B23-15'** LAB I.D.: 200317-60

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	17.4 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ___
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B23-30'**
LAB I.D.: 200317-63

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.82 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/22-24/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B24-10'** LAB I.D.: 200317-66

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	1.50	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/22-24/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B25-15'** LAB I.D.: 200317-74

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	2.04	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/22-24/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B25-20'** LAB I.D.: 200317-75

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.37 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B25-25'**

LAB I.D.: 200317-76

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.17 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B25-30'**
LAB I.D.: 200317-77

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	3.01	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/22-24/20
DATE REPORTED: 04/27/20

METHOD BLANK FOR LAB I.D.:
200317-46, -49, -53, -54, -60, -63, -66, -74, -75, -76, -77

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	ND	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by:
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/24/2020

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	200317-66	5.00	101	*PASS*	0.668	5.00	6.01	107%	6.09	108%	1%
Copper(Cu)	200317-66	5.00	100	*PASS*	0.232	5.00	5.50	105%	5.48	105%	0%
Lead(Pb)	200317-66	5.00	101	*PASS*	1.50	5.00	6.49	100%	6.36	97%	3%

ANALYSIS DATE: 4/24/2020

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200422-6	0.0125	91	*PASS*	*0*	0.0125	0.0102	82%	0.0107	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper(Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ______________________

FINAL REVIEWER: ______________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Add STLC

1 message

Jonathan Anderson <janderson@ardentenv.com>
To: Jessica Lin <envirocheminc@gmail.com>
Cc: Craig Metheny <cmetheny@ardentenv.com>

Wed, Apr 22, 2020 at 3:21 PM

Good Afternoon Jessica:

Could you please analyze the following samples from the attached reports, Ardent project #100952006/1633 26th Street for soluble (STLC) lead:

B18-15, B19-20, B19-25, B19-30, B19-35, B20-10, B20-25, B21-15, B21-30, B22-15, B22-20, B23-15, B23-30, B24-10, B25-15, B25-20, B25-25, and B25-30. Standard turnaround is fine.

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

2 attachments

(1) 200316-75-103-TPH+MET.PDF
3309K

(3) 200317-45-78.pdf
4055K

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc 8015M	VOCs 8260B	T22 Metals 6010/7000							COMMENTS
B21 - 10'	200317-45	3-17-20	7:23	Soil	1	bt	NA	x	x	x							
B21 - 15'	-46		7:27														
B21 - 20'	-47		7:33														
B21 - 25'	-48		7:40														
B21 - 30'	-49		7:45														
B21 - 35'	-50		7:50			[illegible]											
B22 - 5'	-51		10:13			[illegible]											
B22 - 10'	-52		10:21			bt											
B22 - 15'	-53		10:26														
B22 - 20'	-54		10:31														
B22 - 25'	-55		10:39														
B22 - 30'	-56		10:45														
B22 - 35'	-57		10:50														
B23 - 5'	-58		8:36			[illegible]											
B23 - 10'	-59		8:50			bt											

Company Name: Ardent Environmental Group, Inc.
Address: 1827 Capital Street, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Craig McHenry
Jon Anderson
Tel: 951 - 736 - 5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St
1009 5006 52

Relinquished by: Jon Anderson	Received by: [illegible]	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH C6-32 ~~8015B~~ 8015M	VOC's 8260B	Title 22 Metals 6010/7000							COMMENTS
B23-15'	200317-60	3-17-20	8:54	Soil	1	bt	NA	X	X	X							
B23-20'	-61		9:03														
B23-25'	-62		9:08														
B23-30'	-63		9:12														
B23-35'	-64		9:20														
B24-5'	-65		11:34		4oz jar												
B24-10'	-66		11:46			bt											
B24-15'	-67		11:51		4oz jar												
B24-20'	-68		11:58														
B24-25'	-69		12:40														
B24-30'	-70		12:45														
B24-35'	-71		12:50														
B25-5'	-72		13:41		4oz jar												
B25-10'	-73		13:49														
B25-15'	-74		13:54														

Analysis Required

Company Name: Ardent Environmental Group, Inc
Address: 1827 Capital Street Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Jon Anderson
Craig McHenry
Tel: 951-736-5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 20th St
~~100925006~~
100952006.

Relinquished by: [signature]	Received by: Jessica [signature]	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 2 of ____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH C6-C32 8015m	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B25-20'	2003117-75	3-17-20	14:00	Soil	1		NA	X	X	X							
B25-25'	-76	↓	14:07	↓	↓		↓	↓	↓	↓							
B25-30'	-77	↓	14:18	↓	↓		↓	↓	↓	↓							
B25-35'	-78	↓	14:26	↓	↓		↓										

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC

Address: 1827 CAPITAL STREET, Suite 103

City/State/Zip: CORONA / CA / 92880

Project Contact: Jon Anderson
Craig McHenry

Tel: 951-736-5339

Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson

Project Name/ID: 1233 26th St
100952006

Relinquished by: Jon Anderson	Received by: [signature]	Date & Time: 3/17/20 1830
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: May 1, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334   E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **additional TCLP-Pb results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/30-05/01/20
DATE REPORTED: 05/02/20

SAMPLE I.D.: **B18-15'**
LAB I.D.: 200316-84

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B19-20'** LAB I.D.: 200316-92

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B19-25'** LAB I.D.: 200316-93

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.364	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B19-30'** LAB I.D.: 200316-94

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B19-35'** LAB I.D.: 200316-95

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.038	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: [signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: **JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B20-10'** LAB I.D.: 200316-97

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.012	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/30-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/02/20

SAMPLE I.D.: **B20-25'** LAB I.D.: 200316-100

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.023	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/30-05/01/20
DATE REPORTED: 05/02/20

METHOD BLANK FOR LAB I.D.: 200316-84, -92, -93, -94, -95, -97, -100

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC *for Metals Analysis* --TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 5/1/2020

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200430-5	1.00	100	*PASS*	*0.018*	1.00	1.01	99%	1.03	101%	2%
Chromium(Cr)	200430-5	1.00	101	*PASS*	*0.009*	1.00	0.972	96%	0.970	96%	0%
Lead(Pb)	200430-5	1.00	100	*PASS*	*0.017*	1.00	0.869	85%	0.882	87%	2%

ANALYSIS DATE: 4/30/2020

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200427-16	0.0125	90	*PASS*	*0*	0.0125	0.0105	84%	0.0102	82%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail **Jessica Lin <envirocheminc@gmail.com>**

TCLP 1633 26th street

4 messages

Jonathan Anderson <janderson@ardentenv.com> Thu, Apr 30, 2020 at 1:38 PM
To: Jessica Lin <envirocheminc@gmail.com>

Good Afternoon Jessica:

Got more TCLP request for this Job....... Could you please run the following samples for TCLP soluble lead:

200316-84 / -92 / -93 / -94 / -95 / -97 / 100

B18-15, B19-20, B19-25, B19-30, B 19-35, B20-10, B20-25, B21-15, B22-15, B22-20, B23-15, B23-30, B25-20, and B25-25. Thanks!

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 27, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **additional STLC-Pb results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/25-27/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B18-15'**
LAB I.D.: 200316-84

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.41 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/25-27/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B19-20'** LAB I.D.: 200316-92

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.54 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/25-27/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B19-25'**
LAB I.D.: 200316-93

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.95 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/25-27/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B19-30'** LAB I.D.: 200316-94

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	7.18 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/25-27/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B19-35'**
LAB I.D.: 200316-95

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	11.0 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/25-27/20
DATE REPORTED: 04/27/20

SAMPLE I.D.: **B20-10'**
LAB I.D.: 200316-97

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	8.55 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/25-27/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

SAMPLE I.D.: **B20-25'** LAB I.D.: 200316-100

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	6.51 ***	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/25-27/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/27/20

METHOD BLANK FOR LAB I.D.: 200316-84, -92, -93, -94, -95, -97, -100

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	ND	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/27/2020 | **Unit : *mg/L (ppm)***

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	200316-93	5.00	101	*PASS*	0.321	5.00	6.05	115%	5.90	112%	3%
Copper(Cu)	200316-93	5.00	102	*PASS*	0	5.00	5.54	111%	5.40	108%	3%
Lead(Pb)	200316-93	5.00	103	*PASS*	8.95	5.00	13.7	95%	13.5	91%	4%

ANALYSIS DATE: 4/24/2020

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200422-6	0.0125	91	*PASS*	*0*	0.0125	0.0102	82%	0.0107	86%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper(Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ______________

FINAL REVIEWER: ______________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail Jessica Lin <envirocheminc@gmail.com>

Add STLC

1 message

Jonathan Anderson <janderson@ardentenv.com> Wed, Apr 22, 2020 at 3:21 PM
To: Jessica Lin <envirocheminc@gmail.com>
Cc: Craig Metheny <cmetheny@ardentenv.com>

Good Afternoon Jessica:

200316

Could you please analyze the following samples from the attached reports, Ardent project #100952006/1633 26th Street for soluble (STLC) lead:

-84 -92 -93 -94 -95 -97 -100 -46 -48 -53 -54 -60 -63 -66

B18-15, B19-20, B19-25, B19-30, B19-35, B20-10, B20-25, B21-15, B21-30, B22-15, B22-20, B23-15, B23-30, B24-10, B25-15, B25-20, B25-25, and B25-30. Standard turnaround is fine.

-74 -75 -76 -77

Sincerely,

200317

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

2 attachments

- **(1) 200316-75-103-TPH+MET.PDF**
  3309K
- **(3) 200317-45-78.pdf**
  4055K

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH CC6-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B17-5'	20031675	3-16-20	7:50	Soil	1	4oz Jar bt	NA	X	X	X							
B17-10'	-76		8:05			bt											
B17-15'	-77		8:09														
B17-20'	-78		8:15														
B17-25'	-79		8:20														
B17-30'	-80		8:28														
B17-35'	-81		8:34														
B18-5'	-82		9:23			4oz Jar											
B18-10'	-83		9:40			1x bt											
B18-15'	-84		9:47														
B18-20'	-85		9:53														
B18-25'	-86		9:59														
B18-30'	-87		10:05														
B18-35'	-88		10:10														
B19-5'	-89		13:25			1x bt											

Company Name: Ardent Environmental Group, Inc
Address: 1827 Capital Street, Suite 103,
City/State/Zip: Corona /CA /92880

Project Contact: Craig Metheny / Jon Anderson
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by: Jessica R	Date & Time: 3/16/20 1600	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-2020

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week (Standard)~~
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH C6-C32 8015M	VOCs 8260B	Title 22 Metals 6010/7000	COMMENTS
B19-10'	200316-90	3-16-20	13:32	Soil	1	1Xbt	NA	X	X	X	
B19-15'	-91		13:36								
B19-20'	-92		13:43								
B19-25'	-93		13:48								
B19-30'	-94		13:52								
B19-35'	-95		13:56								
B20-5'	-96		11:04			1X4OZ Jar					
B20-10'	-97		12:09			1Xbt					
B20-15'	-98		12:16								
B20-20'	-99		12:22								
B20-25'	-100		12:27								
B20-30'	-101		12:33								
B20-35'	-102		12:38								
B21-5'	-103		14:50			1X4OZ Jar					

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry / Jon Anderson
Tel: 951-736-5339
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St
100925004
52

Relinquished by: Jon Anderson	Received by: Jessica R	Date & Time: 3/16/20 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-20

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: May 7, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **additional STLC-Cu & TCLP-Pb results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/29-05/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/07/20

SAMPLE I.D.: **B22-10'** LAB I.D.: 200317-52

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	1.22	0.1	1	2,500	25	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/29-05/01/20
DATE REPORTED: 05/07/20

METHOD BLANK FOR LAB I.D.: 200317-52

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	ND	0.1	1	2,500	25	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 05/06-07/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/07/20

SAMPLE I.D.: **B22-10'** LAB I.D.: 200317-52

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.141	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 05/06-07/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 05/07/20

SAMPLE I.D.: **B24-15'** LAB I.D.: 200317-67

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.091	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 05/06-07/20
DATE REPORTED: 05/07/20

SAMPLE I.D.: **B24-20'**
LAB I.D.: 200317-68

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 05/06-07/20
DATE REPORTED: 05/07/20

METHOD BLANK FOR LAB I.D.: 200317-52, -67, -68

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ______
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 5/7/2020 **Unit : *mg/L (ppm)***

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200506-5	1.00	103	*PASS*	*0*	1.00	0.994	99%	1.00	100%	1%
Chromium(Cr)	200506-5	1.00	104	*PASS*	*0.019*	1.00	0.977	96%	0.978	96%	0%
Lead(Pb)	200506-5	1.00	104	*PASS*	*0*	1.00	0.949	95%	0.947	95%	0%

ANALYSIS DATE: 5/6/2020

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200504-15	0.0125	94	*PASS*	*0*	0.0125	0.0109	87%	0.0112	90%	3%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*PASS*	*PASS*	*PASS*	*PASS*
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________________

FINAL REVIEWER: ____________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Additional STLC/TLCP-Pb for 100952006/1633 26th Street

Jonathan Anderson <janderson@ardentenv.com>
To: Jessica Lin <envirocheminc@gmail.com>

Wed, May 6, 2020 at 8:45 AM

200317-52 STLC-Cu TCLP-Pb

Good Morning Jessica:

One last request for additional analysis for this project. Could you please run samples B22-10 for STLC Copper and TCLP lead, and Samples B24-15 and B24-20 for TCLP lead. STD turn around is fine Thanks!.

200317-67 TCLP-Pb

200317-68 TCLP-Pb

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

[Quoted text hidden]

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc 8015M	VOCs 8260B	T/Hc 22 Metals 6010/7000							COMMENTS
B21-10'	200317-45	3-17-20	7:23	Soil	1	bt	NA	X	X	X							
B21-15'	-46		7:27														
B21-20'	-47		7:33														
B21-25'	-48		7:40														
B21-30'	-49		7:45														
B21-35'	-50		7:50			~~[illegible]~~											
B22-5'	-51		10:13			4[illegible]											
B22-10'	-52		10:21			bt											
B22-15'	-53		10:26														
B22-20'	-54		10:31														
B22-25'	-55		10:39														
B22-30'	-56		10:45														
B22-35'	-57		10:50														
B23-5'	-58		8:36			4[illegible]											
B23-10'	-59		8:50			bt											

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC.
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry
Jon Anderson
Tel: 951-736-5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St
100925006
52

Relinquished by: Jon Anderson	Received by: [signature]	Date & Time: 3/17/20 1630	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 1 of 3

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

CHAIN OF CUSTODY RECORD

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH C6-C32 ~~8015B~~ 8015m	VOC's 8260B	Title 22 Metals 6010/7000							COMMENTS
B23-15'	2003117-60	3-17-20	8:54	Soil	1	bt	NA	X	X	X							
B23-20'	-61		9:03														
B23-25'	-62		9:08														
B23-30'	-63		9:12														
B23-35'	-64		9:20														
B24-5'	-65		11:34			4oz Jar											
B24-10'	-66		11:46			bt											
B24-15'	-67		11:51			4oz Jar											
B24-20'	-68		11:58														
B24-25'	-69		12:40														
B24-30'	-70		12:45														
B24-35'	-71		12:50														
B25-5'	-72		13:41			4oz J											
B25-10'	-73		13:49														
B25-15'	-74		13:54														

Company Name: Ardent Environmental Group, Inc
Address: 1827 Capital Street Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Jon Anderson
Craig Mcmay
Tel: 951 - 736 - 5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 20th St
~~100925006~~
100952006.

Relinquished by:	Received by:	Date & Time:
[signature]	Jessica R	3/17/20 1630

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

Date: 3-17-20

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: TPHC6-32 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B25-20'	2003177-75	3-17-20	14:00	Soil	1		NA	X	X	X							
B25-25'	-76	↓	14:07	↓	↓		↓	↓	↓	↓							
B25-30'	-77	↓	14:18	↓	↓		↓	↓	↓	↓							
B25-35	-78	↓	14:26	↓	↓		↓	↓	↓	↓							

Company Name: ARDENT ENVIRONMENTAL GROUP, INC

Address: 1827 CAPITAL STREET, Suite 103

City/State/Zip: CORONA / CA / 92880

Project Contact: Jon Anderson
Craig McHenry/

Tel: 951-736-5339

Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson

Project Name/ID: 1233 26th St
100952006

Relinquished by: Jon Anderson	Received by:	Date & Time: 3/17/20 1830
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 3 of 3

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 17, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **additional TCLP-Pb results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/16-17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/17/20

SAMPLE I.D.: **B24-25'** LAB I.D.: 200317-69

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 04/16-17/20
DATE REPORTED: 04/17/20

METHOD BLANK FOR LAB I.D.: 200317-69

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis--TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/17/2020

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200406-54	1.00	101	*PASS*	*0.167*	1.00	0.867	70%	0.883	72%	2%
Chromium(Cr)	200406-54	1.00	101	*PASS*	*0.107*	1.00	0.797	69%	0.80	70%	1%
Lead(Pb)	200406-54	1.00	101	*PASS*	*0.011*	1.00	0.696	69%	0.719	71%	3%

ANALYSIS DATE: 4/17/2020

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200415-10	0.0125	100	*PASS*	*0*	0.0125	0.0112	90%	0.0114	91%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*FAIL**	*FAIL**	*PASS*	*PASS*
Chromium(Cr)	*FAIL**	*FAIL**	*PASS*	*PASS*
Lead(Pb)	*FAIL**	*FAIL**	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________

FINAL REVIEWER: ____________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Ardent Project 100952006

Jonathan Anderson <janderson@ardentenv.com>
To: Jessica Lin <envirocheminc@gmail.com>

Wed, Apr 8, 2020 at 3:39 PM

Good Afternoon Jessica:

Could you please analyze samples B18-20, B19-15, B20-20, and B24-25 from the attached reports for TCLP lead on a standard turn around. Thanks!!

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

2 attachments

200316-75-103-ADDL.PDF
1018K

200317-45-78-ADDL.PDF
1199K

3/17/20

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH-C-SL ~~8015B~~ 8015M	VOCs 8260B	Title 22 Metals 6010/7000	TCLP-Pb	COMMENTS
B23-15'	200317-60	3-17-20	8:54	Soil	1	bt	NA	X	X	X		
B23-20'	-61		9:03									
B23-25'	-62		9:08									
B23-30'	-63		9:12									
B23-35'	-64		9:20									
B24-5'	-65		11:34			[illegible]						
B24-10'	-66		11:46			bt						
B24-15'	-67		11:51			[illegible]						
B24-20'	-68		11:58									
B24-25'	-69		12:40								X	
B24-30'	-70		12:45									
B24-35'	-71		12:50									
B25-5'	-72		13:41			[illegible]						
B25-10'	-73		13:49									
B25-15'	-74		13:54									

Company Name: Ardent Environmental Group, Inc.
Address: 1827 Capital Street Suite 103
City/State/Zip: Corona/CA/92880

Project Contact: Jon Anderson
Craig McHenry
Tel: 951-736-5334
Fax/Email: JAnderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 20th St
~~100925006~~
100952006.

Relinquished by:	Received by: Jessica	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 2 of

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 17, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200316-75 through -103**

Dear Mr. Anderson:

The **additional TCLP-Pb results** for the soil sample, received by our laboratory on March 16, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 **E-Mail: JAnderson@ArdentEnv.com**

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/16/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/16/20
DATE ANALYZED: 04/16-17/20
DATE REPORTED: 04/17/20

SAMPLE I.D.: **B18-20'** LAB I.D.: 200316-85

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/16-17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/17/20

SAMPLE I.D.: **B19-15'** LAB I.D.: 200316-91

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/16-17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/17/20

SAMPLE I.D.: **B20-20'** LAB I.D.: 200316-99

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	0.047	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: [signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/16/20
SAMPLING DATE: 03/16/20 DATE ANALYZED: 04/16-17/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/17/20

METHOD BLANK FOR LAB I.D.: 200316-85, -91, -99

TCLP-METALS ANALYSIS (PER 40 CFR 261.24)
CONCENTRATION UNIT: mg/L IN LEACHATE

PARAMETER	RESULT	PQL	DF	EPA#	LIMIT@	EPA METHOD
LEAD (Pb)	ND	0.01	1	D008	5.0	6010B

COMMENTS
mg/L = Milligram per Liter = PPM
TCLP Extraction Method = EPA 1311
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
EPA# = The EPA Hazardous Waste Number
LIMIT@ = The "EPA Acceptable Land Disposal Limit"
TCLP = Toxicity Characteristic Leaching Procedure
*** = The concentration exceeds the TCLP Limit (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TCLP

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/17/2020

Unit : mg/L (ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	200406-54	1.00	101	*PASS*	*0.167*	1.00	0.867	70%	0.883	72%	2%
Chromium(Cr)	200406-54	1.00	101	*PASS*	*0.107*	1.00	0.797	69%	0.80	70%	1%
Lead(Pb)	200406-54	1.00	101	*PASS*	*0.011*	1.00	0.696	69%	0.719	71%	3%

ANALYSIS DATE: 4/17/2020

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200415-10	0.0125	100	*PASS*	*0*	0.0125	0.0112	90%	0.0114	91%	2%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	*FAIL**	*FAIL**	*PASS*	*PASS*
Chromium(Cr)	*FAIL**	*FAIL**	*PASS*	*PASS*
Lead(Pb)	*FAIL**	*FAIL**	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ______________________

FINAL REVIEWER: ______________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHCC6-32 8015C	VOC's 8260B	Title 22 Metals 6010/7000	TCLP-Pb	COMMENTS
B17-5'	20031615	3-16-20	7:50	Soil	1	bt	NA	X	X	X		
B17-10'	-76		8:05			bt						
B17-15	-77		8:09									
B17-20'	-78		8:15									
B17-25'	-79		8:20									
B17-30'	-80		8:28									
B17-35'	-81		8:34									
B18-5'	-82		9:23			4OZ JAR						
B18-10'	-83		9:40			1x bt						
B18-15'	-84		9:47									
B18-20'	-85		9:53								X	
B18-25'	-86		9:54									
B18-30'	-87		10:05									
B18-35'	-88		10:10									
B19-5'	-89		13:25			1x bt						

Analysis Required

Company Name: Ardent Environmental Group, Inc

Address: 1827 Capital Street, Suite 103,

City/State/Zip: Corona / CA / 92880

Project Contact: Craig Methery / Jon Anderson

Tel: 951-736-5334

Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson

Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by: Jessica	Date & Time: 3/16/20 1600	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-2020

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week (Standard)~~
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc-32 8015	VOCs 8260B	TPHcc 22 6010/7000	Tclp-Pb						COMMENTS
B19-10'	200316-90	3-16-20	13:32	Soil	1	1x bt	NA	X	X	X							
B19-15'	-91		13:36								X						
B19-20'	-92		13:43														
B19-25'	-93		13:48														
B19-30'	-94		13:52														
B19-35'	-95		13:56														
B20-5'	-96		11:04			1x 4oz jar											
B20-10'	-97		12:09			1x bt											
B20-15'	-98		12:16														
B20-20'	-99		12:22								X						
B20-25'	-100		12:27														
B20-30'	-101		12:33														
B20-35'	-102		12:38														
B21-5'	-103		14:50			1x 4oz jar											

Company Name: ARDENT ENVIRONMENTAL GROUP, INC

Address: 1827 CAPITAL STREET, SUITE 103

City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG ... / JON ANDERSON

Tel: 951-736-5339

Fax/Email: ...

Sampler's Signature: Jon Anderson

Project Name/ID: 1633 26th St 100925006 52

Relinquished by: Jon Anderson	Received by:	Date & Time: 3/16/20 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-16-20

Gmail

Jessica Lin <envirocheminc@gmail.com>

Ardent Project 100952006

Jonathan Anderson <janderson@ardentenv.com>
To: Jessica Lin <envirocheminc@gmail.com>

Wed, Apr 8, 2020 at 3:39 PM

Good Afternoon Jessica:

Could you please analyze samples B18-20, B19-15, B20-20, and B24-25 from the attached reports for TCLP lead on a standard turn around. Thanks!!

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

2 attachments

200316-75-103-ADDL.PDF
1018K

200317-45-78-ADDL.PDF
1199K

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 6, 2020

Mr. Jon Anderson
Ardent Environmental Group, Inc.
1827 Capital Street, #108
Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

Project: **1633 26th St.**
Project No.: **100952006**
Lab I.D.: **200317-45 through -78**

Dear Mr. Anderson:

The **additional analytical results** for the soil sample, received by our laboratory on March 17, 2020, are attached. The samples were received intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Ardent Environmental Group, Inc.
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: 1633 26th St. PROJECT NO.: 100952006
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 04/01/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/06/20

HEXAVALENT CHROMIUM (CHROMIUM VI) ANALYSIS
METHOD: EPA 3060A/7199
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	RESULT	DF
B21-30	200317-49	ND	1
B22-10	200317-52	ND	1
B23-35	200317-64	ND	1
B24-10	200317-66	ND	1
B25-25	200317-76	ND	1
METHOD BLANK	---	ND	1
	PQL	0.040	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 **Fax (909)590-5907**

Matrix: SOLID/SLUDGE/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg					0.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm					0.0%	0-20
pH	pH units					0.00%	0-20
TDS	mg/L					0.0%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms					0.0%	0-20
% MOISTURE	%					0.0%	0-20
BTU	BTU/lb					0.0%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference **ACP %RPD** = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg				0	0	80-120					#VALUE!
Ammonia as N	mg/Kg			50.0	0.000	0-20	80-120					#VALUE!
MBAS	mg/Kg			6.00	0.0	0-20	80-120					#VALUE!
Chloride	mg/Kg			200	20.0	0-20	80-120					#VALUE!
COD	mg/Kg			500	0.0	0-20	80-120					#VALUE!
Cr VI	mg/Kg	4/1/2020	200327-12	4.00	0.00	0-20	80-120	3.47	87%	3.54	89%	1.8%
Cyanide	mg/Kg			10.0	0.0	0-20	80-120					#VALUE!
Fluoride	mg/Kg			10.0	0.000	0-20	80-120					#VALUE!
Nitrate as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Nitrite as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Oil and Grease	mg/Kg			667	0	0-20	80-120					#VALUE!
PHOSPHATE	mg/Kg			100.0	0.0	0-20	80-120					#VALUE!
Sulfate	mg/Kg			200	0.00	0-20	80-120					#VALUE!
Sulfide	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
TRPH	mg/kg			667	0.0	0-20	80-120					#VALUE!
Sulfide, Reactive	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
EPA 1664A	mg/Kg			500	0	0-20	80-120					#VALUE!

S.R. = Sample Results **%RC** = Percent Recovery **ACP %RC** = Accepted Percent Recovery

Analyst Signature: ____________

Final Reviewer: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE EXTRACTED: 03/19/20
DATE ANALYZED: 03/19-20/20
DATE REPORTED: 03/25/20

MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
B21-10	200317-45	ND	ND	ND	ND	ND	ND	ND	ND	10^
B22-20	200317-54	ND	ND	ND	ND	ND	ND	ND	ND	1
B23-25	200317-62	ND	ND	ND	ND	ND	ND	ND	ND	1
B24-10	200317-66	ND	ND	ND	ND	ND	ND	ND	ND	10^
B25-35	200317-78	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
^ = Actual Detection Limit Raised due to matrix interference
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **3/31/2020**
Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **200316-80 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.087	**87%**	0.094	**94%**	**8%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.097	**97%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: ____________

Final Reviewer: ____________

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/31-04/02/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/06/20

SAMPLE I.D.: **B23-15'** LAB I.D.: 200317-60

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	0.435	0.1	1	2,500	25	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
MATRIX: SOIL
SAMPLING DATE: 03/17/20
REPORT TO: MR. JON ANDERSON

PROJECT NO.: **100952006**
DATE RECEIVED: 03/17/20
DATE ANALYZED: 03/31-04/02/20
DATE REPORTED: 04/06/20

SAMPLE I.D.: **B23-30'**
LAB I.D.: 200317-63

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	0.234	0.1	1	2,500	25	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.**
PROJECT NO.: **100952006**
MATRIX: SOIL
DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20
DATE ANALYZED: 03/31-04/02/20
REPORT TO: MR. JON ANDERSON
DATE REPORTED: 04/06/20

SAMPLE I.D.: **B24-25'**
LAB I.D.: 200317-69

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Lead (Pb)	39.5 ***	0.05	10	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____________________
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Ardent Environmental Group, Inc.**
1827 Capital Street, #108, Corona, CA 92880
Tel(951)736-5334 E-Mail: JAnderson@ArdentEnv.com

PROJECT: **1633 26th St.** PROJECT NO.: **100952006**
MATRIX: SOIL DATE RECEIVED: 03/17/20
SAMPLING DATE: 03/17/20 DATE ANALYZED: 03/31-04/02/20
REPORT TO: MR. JON ANDERSON DATE REPORTED: 04/06/20

METHOD BLANK FOR LAB I.D.: 200317-60, -63, -69

SOLUBLE THRESHOLD LIMIT CONCENTRATION (STLC) ANALYSIS
UNIT: mg/L IN THE STLC LEACHATE

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD USED
Copper (Cu)	ND	0.1	1	2,500	25	6010B
Lead (Pb)	ND	0.05	1	1,000	5.0	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the actual detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the STLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22 (if marked)

Data Reviewed and Approved by: ____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --STLC

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/2/2020 Unit : *mg/L (ppm)*

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Chromium(Cr)	200331-6	5.00	93	*PASS*	0	5.00	4.28	86%	4.36	87%	2%
Copper(Cu)	200331-6	5.00	90	*PASS*	3.65	5.00	7.60	79%	7.70	81%	3%
Lead(Pb)	200331-6	5.00	92	*PASS*	0	5.00	3.98	80%	4.02	80%	1%

ANALYSIS DATE: 4/2/2020

Analysis	Spk.Sample ID	LCS CONC.	%Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	200331-6	0.0125	95	*PASS*	*0*	0.0125	0.0109	87%	0.0114	91%	4%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Chromium(Cr)	*PASS*	*PASS*	*PASS*	*PASS*
Copper(Cu)	*PASS*	*PASS*	*PASS*	*PASS*
Lead(Pb)	*PASS*	*PASS*	*PASS*	*PASS*
Mercury (Hg)	*PASS*	*PASS*	*PASS*	*PASS*
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: ____________________

FINAL REVIEWER: ____________________

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Gmail

Jessica Lin <envirocheminc@gmail.com>

Additinal analysis request

2 messages

Jonathan Anderson <janderson@ardentenv.com> Tue, Mar 31, 2020 at 10:23 AM
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>
Cc: Craig Metheny <cmetheny@ardentenv.com>, Jessica Lin <envirocheminc@gmail.com>

Good Morning Curt:

Could you please analyze the samples listed below for additional the following tests. Find attached the original lab reports for this site, Ardent Project No. 100952006:

-

PCBs by EPA Method No. 8082

200317

- B17-30, B18-15, B19-30, B20-20, B21-10, B22-20, B23-25, B24-10, and B25-35

200316-80 -84 -94 -99 | -45 -54 -62 -66 -78

Hexavalent Chromium by EPA Method No. 218.6

200317

- B17-25, B18-20, B19-15, B20-10, B21-30, B22-10, B23-35, ~~B24-30~~, and B25-25

200316-79 -85 -91 -97 | -49 -52 -64 ~~-70~~ -76

Δ 66

B-24-10'

Copper by WET Method

200317

- B18-20, B19-15, B23-15, and B23-30

200316-85 -91 | -60 -63

Lead by WET Method

200317

- B18-20, B19-15, B20-20, and B24-25

200316-85 -91 -99 | -69

Please feel free to contact me with any questions, and lets run these on a standard turn around.

Sincerely,

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

Gmail

Jessica Lin <envirocheminc@gmail.com>

Additinal analysis request

Jonathan Anderson <janderson@ardentenv.com> Tue, Mar 31, 2020 at 12:05 PM
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>
Cc: Jessica Lin <envirocheminc@gmail.com>

Curt:

Could you please run sample B24-10 for hex chrome instead of sample B24-30.

Thanks!

Jonathan Anderson

Senior Staff Geologist

Ardent Environmental Group, Inc.

1827 Capital Street, Suite 103

Corona, California, 92880

Office (951) 736-5334

Cell (909) 754-8410

From: Curtis B. Desilets [mailto:curt.envirocheminc@gmail.com]
Sent: Tuesday, March 31, 2020 11:00 AM
To: Jonathan Anderson
Cc: Craig Metheny; Jessica Lin
Subject: Re: Additinal analysis request

No problem.

On Tue, Mar 31, 2020 at 10:23 AM Jonathan Anderson <janderson@ardentenv.com> wrote:

[Quoted text hidden]

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPHcc 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B21 - 10'	200317-45	3-17-20	7:23	Soil	1	bt	NA	X	X	X							
B21 - 15'	-46		7:27														
B21 - 20'	-47		7:33														
B21 - 25'	-48		7:40														
B21 - 30'	-49		7:45														
B21 - 35'	-50		7:50			~~4°C~~											
B22 - 5'	-51		10:13			4°C											
B22 - 10'	-52		10:21			bt											
B22 - 15'	-53		10:26														
B22 - 20'	-54		10:31														
B22 - 25'	-55		10:39														
B22 - 30'	-56		10:45														
B22 - 35'	-57		10:50														
B23 - 5'	-58		8:36			~~4°C~~											
B23 - 10'	-59		8:50			bt											

Company Name: ARDENT ENVIRONMENTAL GROUP, INC.
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: CRAIG McHenry / Jon Anderson
Tel: 951-736-5334
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 26th St 1009.5006 52

Relinquished by: Jon Anderson	Received by:	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Page 1 of 3

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH cc 6-32 ~~8260B~~ 8015M	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B23-15'	200317-60	3-17-20	8:54	Soil	1 bt		NA	X	X	X							
B23-20'	-61		9:03														
B23-25'	-62		9:08														
B23-30'	-63		9:12														
B23-35'	-64		9:20														
B24-5'	-65		11:34		4OZ JAR												
B24-10'	-66		11:46		bt												
B24-15'	-67		11:51		4OZ JAR												
B24-20'	-68		11:58														
B24-25'	-69		12:40														
B24-30'	-70		12:45														
B24-35'	-71		12:50														
B25-5'	-72		13:41		4OZ JAR												
B25-10'	-73		13:49														
B25-15'	-74		13:54														

Analysis Required

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET Suite 103
City/State/Zip: Corona / CA / 92880

Project Contact: Jon Anderson
Craig McHenry
Tel: 951-736-5334
Fax/Email: janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1633 20th St
~~100925006~~
100952006.

Relinquished by:	Received by: Jessica R	Date & Time: 3/17/20 1630
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

Analysis Required

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH C6-32 8015m	VOCs 8260B	Title 22 Metals 6010/7000							COMMENTS
B25-20'	2003177-75	3-17-20	14:00	Soil	1		NA	X	X	X							
B25-25'	-76	↓	14:07	↓	↓		↓	↓	↓	↓							
B25-30'	-77	↓	14:18	↓	↓		↓	↓	↓	↓							
B25-35	-78	↓	14:26	↓	↓		↓	↓	↓	↓							

Company Name: ARDENT ENVIRONMENTAL GROUP, INC
Address: 1827 CAPITAL STREET, Suite 103
City/State/Zip: CORONA /CA /92880

Project Contact: Jon Anderson
Craig McHugh/
Tel: 951-736-5339
Fax/Email: Janderson@ardentenv.com

Sampler's Signature: Jon Anderson
Project Name/ID: 1833 26th St
100952006

Relinquished by: Jon Anderson	Received by: Jessica	Date & Time: 3/17/20 1830	
Relinquished by:	Received by:	Date & Time:	
Relinquished by:	Received by:	Date & Time:	

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 3-17-20

APPENDIX D

QUALIFICATIONS

ARDENT
ENVIRONMENTAL GROUP, INC.

RESUME OF CRAIG A. METHENY
Principal Geologist

EDUCATION

Bachelor of Science, Geology, 1989, California State University, Fullerton, California

REGISTRATIONS AND CERTIFICATIONS

OSHA 40-Hour Health and Safety Training (with annual updates)
OSHA 8-Hour Health and Safety Supervisor Training
EPA/AHERA Manager-Planner, Project Designer, Building Inspector, and Contractor/Supervisor
State of California Certified Asbestos Consultant, CAC 08-4421

EMPLOYMENT HISTORY

1985-1993 – Applied Geosciences Inc. (environmental consulting)
1993-2007 – Ninyo & Moore (environmental consulting)
2007-present – Ardent Environmental Group, Inc. (environmental consulting)

PROFESSIONAL EXPERIENCE AND RESPONSIBILITIES

As a Principal Geologist for Ardent Environmental Group, Inc., Mr. Metheny manages and performs Phase I Environmental Site Assessments, hydrogeologic investigations, and site characterization studies; manages groundwater sampling and pollutant evaluations; develops remedial action plans; performs risk assessments; and manages hazardous building material assessments and abatement monitoring. Mr. Metheny also designs, develops, installs, and manages soil and groundwater remediation systems and conducts landfill site investigations. Mr. Metheny's project experience includes:

- **Various School Districts, California:** Project Geologist for various environmental consulting services including Phase I assessment, Phase II sampling, asbestos surveys, and Preliminary Endangerment Assessments (PEAs) for at various proposed and existing schools sites for the Santa Ana Unified School District, Los Angeles Unified School District, and Long Beach Unified School District.

- **Port of Los Angeles, San Pedro, California:** Project Geologist providing environmental consulting services relative to the location and construction of trolley stations and maintenance facilities. Services included document review, soil and groundwater assessments, transportation and disposal of contaminated soil, and preliminary risk evaluations for site workers and the public.

- **On-Call Environmental Consulting Services, City of Long Beach, California**: Project Geologist providing on-call environmental consulting services for the City of Long Beach Public Works facilities construction project. Eleven areas of suspected contaminated soil were discovered during grading at the site. Mr. Metheny performed rush characterizations of each suspect area, delineated the extent of contaminations requiring off-site disposal, performed removal confirmation sampling, and developed an on-site management plan for metals contamination in artificial fill areas of the site. The on-site management plan was approved by the State Department of Toxic Substances Control on a rush basis so that the site construction schedule was minimally impacted.

- **Hazardous Materials Evaluations for Environmental Impact Studies and Reports**: Project Geologist for hazardous materials evaluations for environmental impact studies and reports for road and rail widening and realignment projects for various cities and rail authorities in Southern California.

- **Phase I and Phase II Environmental Site Assessments, Asbestos Surveys, and Lead-Based Paint Surveys:** Project Manager for hundreds of real estate acquisition environmental due-diligence projects, including Phase I Environmental Site Assessments, Asbestos Surveys, Lead-Based Paint Surveys, and Phase II Subsurface investigations of residential, agricultural, commercial, and industrial properties throughout the western United States for major commercial and residential developers, lending institutions, and municipalities.

- **City of Industry:** Project manager and asbestos consultant for numerous pre-demolition asbestos surveys and abatement monitoring projects for the City of Industry Redevelopment Agency.

- **Mold Assessment and Abatement Oversight:** Project Manager for the assessment of the presence and extent to mold contamination and post-abatement inspection and air clearance sampling for numerous commercial office, retail, and warehouse buildings throughout Southern California for property owners and managers.

- **Port of Long Beach Naval Station and Shipyard, Administrative Draft EIR, Long Beach, California:** Project Geologist for portions of the EIR relating to hazardous materials and remediation of contaminated sites. Services consisted of review of existing data to describe the historical and recent use of the Long Beach Naval Station and Shipyard, known and suspected contamination, and mitigation measures.

- **Los Angeles Community Redevelopment Agency (CRA), Los Angeles, California:** Project Manager for as-needed contract for environmental services with CRA. Projects under this contract included site development under City funded capital improvement programs as well as USEPA funded Brownfield projects. Tasks included Phase I and Phase II Environmental Site Assessments of brownfields sites and research of area-wide property information, ownership status and environmental condition of brownfields target areas, asbestos and lead paint surveys, and site remediation.

- **Indoor Air Quality Assessments, California:** Project Manager for numerous indoor air quality (IAQ) assessments of commercial office buildings. The IAQ assessments were performed for a variety of objectives, including determining the concentrations of volatile organic compounds (VOCs) in indoor air from subsurface contamination sources; evaluating the operation of air handling systems; identifying sources of indoor air pollutants including mold, dust, and VOCs; and evaluating general "sick building syndrome" issues.

- **San Gabriel Valley Council of Governments:** Project Manager for an assessment of redevelopment opportunities in the San Gabriel Valley under a Proposition 40 grant from the

State of California. The property inventory and assessment included research and identification of potential redevelopment properties greater than 8,000 square feet; development of a database inventory of the properties; and preparation of a Geographic Information System (GIS) map of the Valley with inventory properties identified.

- **Metro Pasadena Blue Line Transit Project, California:** Project Geologist providing environmental consulting services to conduct pre-acquisition Phase I and Phase II environmental site assessments and asbestos surveys for parcels required for construction and operation of the Metro Pasadena Blue Line Transit Project.

- **Industry Urban-Development Agency:** Project Manager for hazardous material management and planning for several commercial/industrial properties in the City of Industry. Work included performance of comprehensive hazardous building material surveys, preparation of inventory of miscellaneous hazardous materials, preparation of hazardous material removal workplans for use in project specifications an bid documents, performance of Phase II subsurface soil and groundwater contamination assessments, negotiate and obtain closure from regulatory agencies of underground fuel storage tanks and clarifiers, and oversee hazardous material or contaminated soil removal work by contractors.

- **Orange County Transportation Authority (OCTA):** Project Environmental Geologist performing Phase I and Phase II environmental site assessments along the I-5 Corridor in Orange County for the OCTA's Environmental Investigation and Remedial Services contract. Additional services included site remediation feasibility studies and design and site remediation.

- **Caltrans Districts 7 and 12 On-Call Environmental Assessment Contracts, California:** Managing Project Geologist performing numerous hazardous materials site investigations, Phase I environmental assessments, asbestos surveys, lead in soil studies, and tank removal and replacement projects at various properties and right-of-ways throughout Los Angeles, Orange, and Ventura Counties, California. Work involved assessing numerous properties that would be taken by Caltrans for freeway widening or realignment projects, assessing lead in unpaved shoulders along many miles of freeways and highways for widening projects, characterizing contamination in soil and groundwater at maintenance stations, and directed the development of remedial action plans for various maintenance stations. Work was conducted under numerous consecutive 3-year master service agreements.

- **As-Needed Environmental Consulting Services, Pacific Bell, Statewide, California:** Project Geologist performing underground fuel storage tank management services on an as-needed basis for numerous sites throughout California under a Master Agreement.

ASSOCIATIONS

Association for the Environmental Health of Soils
Association of Groundwater Scientists and Engineers

RESUME OF PAUL A. ROBERTS
Principal Geologist

EDUCATION

Bachelor of Science, Geology, 1987, California State University, Fullerton, California

REGISTRATION AND CERTIFICATIONS

Professional Geologist, California PG 6897
Registered Geologist, Arizona RG 42445
Ventura County Well Inspector
OSHA 40-Hour Health and Safety Training (with annual updates)
OSHA 8-Hour Health and Safety Supervisor Training

EMPLOYMENT HISTORY

1986-1996 – Applied Geosciences Inc. (environmental consulting)
1996-1998 – ATC Associates (environmental consulting)
1998-2007 – Ninyo & Moore (environmental consulting)
2007-present – Ardent Environmental Group, Inc. (environmental consulting)

PROFESSIONAL EXPERIENCE AND RESPONSIBILITIES

As a Principal Geologist for Ardent Environmental Group, Inc., Mr. Roberts conducts and coordinates high-profile hydrogeologic and geologic field evaluations. Mr. Roberts also supervises staff- and project-level geologists, engineers, and scientists to complete the installation of groundwater monitoring wells and soil and groundwater remediation systems, as well as completing pilot tests and feasibility studies for remedial system design. Mr. Roberts is very familiar with mud- and air-rotary, sonic, direct-push, and hollow stem auger drilling techniques, and interprets geophysical data and soil physical analyses to design water well construction. As part of these tasks, Mr. Roberts interacts with clients, attorneys, and agency representatives. The following presents a partial list of projects supervised and/or completed by Mr. Roberts.

- **Water Replenishment District of Southern California (District), Santa Fe Springs:** California Professional Geologist retained to log and sample deep borings in preparation to install nested groundwater monitoring wells as part of the Central Basin Groundwater Contamination Study. The work was completed to assist the United States Geological Survey (USGS) and the District to find mergence zones or pathways where known volatile organic compound (VOC)-impacted shallow groundwater could be migrating into deeper water supply aquifers. The work included drilling pilot borings using mud-rotary drilling methods to depths of approximately 518 feet below the ground surface (bgs). During drilling activities, Mr. Roberts monitored drilling conditions, logged cuttings and collected soil samples for lithological interpretation. Following drilling activities, downhole geophysical equipment, including suspension velocity measurements, resistivity, spontaneous potential and natural gamma logging, and caliper and natural gamma logging, was used to further assess lithological conditions. Based on these data, Mr. Roberts assisted representatives from the USGS and District to design and oversee installation of 10 groundwater monitoring wells. Following installation, the wells were developed and sampled.

- **Former Ashland Chemical Plant, Santa Fe Springs:** Principal Geologist retained to log and sample deep borings for the installation of groundwater monitoring, extraction, and injection wells used to characterize and remediate VOC impacted groundwater associated with a former chemical plant. Sonic, mud-rotary, and hollow stem auger drilling methods were used to drill pilot borings to depths of up to 407 feet bgs. Hydropunch sampling results and soil physical analyses were used to design deep nested groundwater monitoring and remediation wells. Well development and sampling were also completed.

- **Former Optical Lens Manufacturing Facility, Costa Mesa:** Mr. Roberts is the Project Coordinator for an on-going VOC soil and groundwater investigation/remediation effort associated with a former optical lens manufacturing facility. The investigations are being completed under the direction and oversight of the Department of Toxic Substances Control (DTSC) as part of the regional Costa Mesa Site Discovery Project. Investigations have included the installation and sampling of groundwater monitoring wells, soil investigations and characterization, indoor air monitoring, and remedial design of a soil vapor extraction system (VES).

- **Former CENCO Refinery Properties, Santa Fe Springs**: Mr. Roberts supervised and coordinated the environmental activities associated with the acquisition and redevelopment of two properties formerly occupied by the CENCO Refinery. These properties, located immediately east and southeast of the main refinery, were used by CENCO and others for product storage and oil recycling. Oil field production and oil well drilling waste disposal was also historically associated with this land. Mr. Roberts worked with the City of Santa Fe Springs Fire Department and DTSC to investigate historical environmental issues; mitigate petroleum hydrocarbon and polychlorinated biphenyl (PCB)-impacted soil through on-site management by the installation of an impermeable cap (referred to as the “PCB-Capped Area”) or by excavation; removal of underground storage tanks (USTs); methane gas assessment, mitigation design and implementation, and monitoring; groundwater well video logging and abandonment; and oil well abandonment. Currently, Mr. Roberts completes annual inspections and 5-year reviews of the PCB-Capped Area and supervises the annual monitoring of methane gas beneath the buildings.

- **Former Nissan North America Corporate Headquarters, Carson:** Project Geologist to oversee the characterization of petroleum hydrocarbon-impacted soil and groundwater associated with a release from a fuel UST. Mr. Roberts oversaw the installation of 15 groundwater monitoring wells and four vapor extraction wells. Following completion of a soil vapor extraction pilot test, Mr. Roberts designed and implemented a VES which successfully remediated the impacted soil. Groundwater remediation was completed using in-situ air stripping techniques.

- **Northwest Pipe Company Property, Jurupa Valley; Commerce Casino, Commerce; Rock-Lomita Property, Torrance; Former Ball Glass Plant, Torrance; and BMW of Riverside, Riverside:** Principal Geologist managing and coordinating environmental characterization of petroleum hydrocarbon or VOC-impacted soil associated with releases from historical manufacturing activities or USTs at a number of properties throughout Southern California. Tasks included the installation of soil remediation systems, completion of pilot studies, and the design and implementation of full-scale SVE systems. These systems were operated until effluent soil vapor concentrations and/or the results of confirmation soil samples met residential or commercial standards. During these operations, Mr. Roberts interacted with lead regulatory agencies including the Regional Water Quality Control Board, DTSC, or local fire departments. Most of these facilities also included the installation and monitoring of groundwater monitoring wells. Some of these systems are on-going.

- **Port of Los Angeles:** Project Geologist managing several environmental projects for the Port of Los Angeles (POLA) under an on-call contract. Project Geologist interacting with POLA personnel regarding environmental issues associated with land purchases, tenant audits, and on-call remediation. Projects have involved removal of underground storage tanks at the Yang Ming Terminal and continued groundwater monitoring, and the implementation of a corrosion study at a potential automobile storage yard in the Port of Los Angeles.

- **Alameda Corridor Transportation Authority:** Project Geologist managing numerous environmental projects under an on-call remediation services contract. Projects have involved remediation of petroleum pipelines and impacted soil discovered during construction activities of the Alameda Corridor. One project involved dredging metal-impacted soil from the Port of Los Angeles, where Mr. Roberts acted as the liaison between POLA and ACTA representatives.

- **Riverside County Transportation Commission (RCTC):** Project Manager for several projects for RCTC. On one occasion, RCTC discovered impacted soil and a groundwater well during redevelopment of a property in Corona. As not to delay grading activities, Mr. Roberts successfully obtained an expedited groundwater well destruction permit with Riverside County, profiled the soil for excavation and disposal, and abandoned the well. The property was subsequently developed with a Metrolink station with minimal delays.

- **Jack in the Box and Qdoba Restaurants:** Since 1991, Mr. Roberts has acted as Project Geologist managing numerous Phase I Environmental Site Assessments and other environmental issues regarding real estate transactions for Jack in the Box Inc. Since most of the properties are corner parcels which contained historical gasoline stations, Mr. Roberts would subsequently manage and conduct Phase II Subsurface Investigations to assess whether impacted soil and/or groundwater exists at the site and, if present, characterize the extent of the contaminants. In June 2012, Jack in the Box Inc. and Qdoba Restaurants (owned by Jack in the Box Inc.) awarded Ardent Environmental Group, Inc. an on-call environmental management contract for all Jack in the Box and Qdoba properties throughout the United States. Mr. Roberts is the Project Manager for this contract which includes completing Preliminary Environmental Reviews of possible property acquisitions, completing and managing Phase I and Phase II Environmental Site Assessments and asbestos surveys, and on-call consultation regarding environmental issues and concerns.

ASSOCIATIONS

The Geological Society of America

RESUME OF JONATHAN ANDERSON
Senior Staff Geologist

EDUCATION

Bachelor of Arts, Geology, 2013, California State University, San Bernardino

REGISTRATIONS AND CERTIFICATIONS

OSHA 40-Hour Health and Safety Training (with annual updates)
EPA/AHERA Building Inspector, and Contractor/Supervisor
HAZWOPER 40-Hour Training (with annual updates)

EMPLOYMENT HISTORY

2013-present – Ardent Environmental Group, Inc. (environmental consulting)

PROFESSIONAL EXPERIENCE AND RESPONSIBILITIES

Mr. Anderson has a strong background in geology, geography, chemistry, and physics which provides support in completing a variety of field and office tasks during environmental assessments, site characterization, and remediation projects. Tasks include development of work plans, drilling and sampling soil borings, installation and abandonment of groundwater monitoring wells, development and sampling of groundwater wells, collecting wipe and bulk building material samples, research and review of regulatory and historical land use records, directing subcontractors, data evaluation, and technical report preparation. Mr. Anderson's project experience includes:

- **Groundwater Monitoring and Vapor Extraction Well Installation:** Mr. Anderson has installed a number of groundwater monitoring wells and vapor extraction wells at properties throughout Southern California. The wells were installed to assess groundwater conditions and to characterize impacted media. Vapor extraction wells were part of a soil vapor extraction remediation systems. These tasks include obtaining well construction permits, interactions with regulatory agencies, directing drilling and surveyor contractors, and designing well construction. Following installation, groundwater monitoring wells are developed by various methods including bailing, surging, and pumping while monitoring water quality parameters.

- **Monitoring Well Abandonment:** Senior Staff Geologist for a property in Los Angeles involving the abandonment of groundwater monitoring and soil vapor wells. Duties include obtaining permits, directing subcontractors, and preparation of a well closure report for submittal to a regulatory agency.

- **Groundwater Monitoring:** Perform quarterly groundwater monitoring activities at facilities throughout Southern California. Depth to groundwater is measured with electric sounders before sampling. Wells are purged of static groundwater using submersible pumps and hand bailers. Groundwater is collected from monitoring wells and sent to a laboratory for analyses on a quarterly basis to determine the effectiveness of remedial actions at the properties.

Quarterly monitoring reports are prepared and are uploaded to the State's GeoTracker website.

- **Phase I Environmental Site Assessment:** Senior Staff Geologist for Phase I Environmental Site Assessment reports throughout Southern California. Report preparation includes site reconnaissance activities involving visual site inspection, research and review of regulatory records and historical land use records, and identification of potential environmental concerns and/or impacts to the site.

- **Phase II Site Characterization:** Staff Geologist for projects involving the advancement of soil borings by direct-push, MIP, and hollow stem auger methods to assess the nature, magnitude, and extent of soil contamination. These duties also include conducting soil gas surveys to assess vapor concentrations of volatile organic compounds (VOCs) for human health risks.

- **Asbestos Sampling:** Conducts surveys of commercial buildings to identify suspect asbestos-containing materials (ACM) and sampling of suspect materials for asbestos analysis. Performs air sampling to assess the concentration of asbestos fibers in air to assess general building conditions and for monitoring and clearance of asbestos abatement.

- **Mold Assessment:** Staff Geologist for the assessment of the presence and extent of mold contamination in commercial buildings. Includes moisture surveys using infrared scanning, direct moisture measurements using handheld instruments, and the collection of air samples for assessment of mold spore concentrations in air.

- **Soil Remediation:** As Senior Staff Geologist, Mr. Anderson was involved with a long-term soil remediation project that included the excavation of over 50,000 cubic yards of petroleum hydrocarbon impacted soil at a property in Downtown Los Angeles. Tasks associated with this project included the preparation, submittal, and implementation of a South Coast Air Quality Management District (SCAQMD) Site Specific Soil Mitigation Plan, daily soil monitoring and quantifying of VOC impacted soil discovered during excavation, providing manifests to disposal transportation companies, interacting with contractors and clients, as well as documenting the discovery and mitigation of unknown environmental concerns discovered during project oversight, including underground storage tanks (USTs) and hydraulic lifts. Mr. Anderson documented these activities in a final environmental grading report.

- **Soil Vapor Monitoring Point Installation and Sampling:** Mr. Anderson installed and sampled soil vapor monitoring points at a number of properties located throughout Southern and Northern California to further assess whether a vapor intrusion issue was present due to past and/or present site activities. This task included the installation of soil vapor monitoring points, purging stagnant air, and collecting vapor samples in Tedlar bags, Summa canisters, or by glass syringe for analysis by a mobile laboratory. Installation and sampling were conducted in accordance with current Department of Toxic Substances Control (DTSC) guidelines.

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Appendix H
Noise Data

KW

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Date: 6/29/2020
Field Tech/Engineer: Ian Edward Gallagher

General Location: Pennsylvania Ave & 26th Street intersection.
Sound Meter: Larson Davis Sound Track LxT1 **SN:** 3099
Settings: A-weighted, slow, 1-min, 10-minute interval
Meteorological Con.: 69 deg F, 10 to 12 mph wind, 64% humidity, sunny <15% cloud.
Site ID: NM-1, 2, 3, 4 & 5

Site Observations: Main noise sources are from vehicular traffic travelling along , 26th Street Stewart Street, Colorado Avenue & surrounding roads . The local buildings do reflect much of the sound and residential complexes also generate a low level residential ambiance. Other noise sources include: pedestrians, airplanes (fixed-wing propeller & jet) & helicopters, & also bird song.

Site Topo: Cityscape, concrete & glass bldgs, asphalt&concrete paving.
Ground Type: Hard site conditions, reflective, refractive.

Figure 1: Monitoring Locations

NM locations, lat , long :

NM1 Meter: 34° 1'50.36"N 118°28'16.94"W

NM2 Meter: 34° 1'52.25"N 118°28'14.31"W

NM3 Meter: 34° 1'55.39"N 118°28'9.37"W

NM4 Meter 34° 1'51.85"N 118°28'5.80"W

NM5 Meter: 34° 1'47.15"N 118°28'13.81"W

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Figure 2: NM1 Photo (lunchtime)

NM1 looking E across 26th Street & Colorado Avenue intersection towards building 2600 Colorado Avenue, Santa Monica. Time: 12:29 PM.

NM1 Photo (late afternoon)

NM1 looking E across 26th Street & Colorado Avenue intersection towards building 2600 Colorado Avenue, Santa Monica. Time: 4:54 PM.

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Figure 3: NM2 Photo (lunchtime)

NM2 looking ENE up Colorado Avenue, main entry way to building 2700 Colorado Avenue, Santa Monica on the RHS of photo. Time 12:51 PM.

NM2 Photo (late afternoon)

NM2 looking ENE up Colorado Avenue, main entry way to building 2700 Colorado Avenue, Santa Monica on the RHS of photo. Time 5:12 PM.

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Figure 4: NM3 Photo (lunchtime)

NM3 looking W across Colarado Avenue & Harvard Street intersection towards residence 1556 Harvard Street, Santa Monica. Time : 1:18 PM.

NM3 Photo (late afternoon)

NM3 looking W across Colarado Avenue & Harvard Street intersection towards residence 1556 Harvard Street, Santa Monica. Time : 5:30 PM.

KW

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Figure 5: NM4 Photo (lunchtime)

NM4 looking N across Pennsylvania Ave towrds back of building 1630 Stewaet Street, Santa Monica.
Time: 1:47 PM.

NM4 Photo (late afternoon)

NM4 looking N across Pennsylvania Ave towrds back of building 1630 Stewaet Street, Santa Monica.
Time: 5:50 PM

KW

CA Office
7404 Kingsley Way,
Riverside, CA

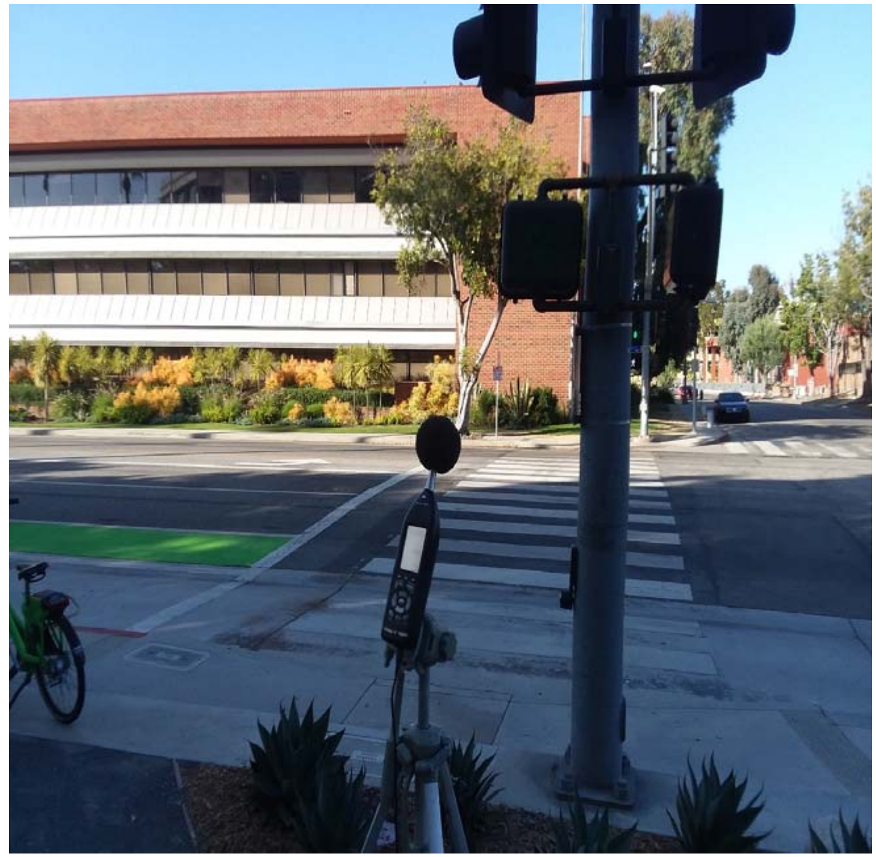
10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Figure 6: NM5 Photo (lunchtime)

NM5 looking NE across 26th Street & Pennsylvania Avenue intersection towards SE end of building 1633 26th Street, Santa Monica. Time : 2:10 PM.

NM5 Photo (late afternoon)



NM5 looking NE across 26th Street & Pennsylvania Avenue intersection towards SE end of building 1633 26th Street, Santa Monica. Time : 6:09 PM.

CA Office
7404 Kingsley Way,
Riverside, CA

10-Minute Noise Measurement Datasheet - Cont.

Project: 1633 26th Street, Santa Monica Project
Site Address/Location: 1633 26th Street, Santa Monica, CA
Site ID: NM-1, 2, 3, 4 & 5

Table 1: Noise Measurement Summary

Location	Start	Stop	Leq/ dB	Lmax/ dB	Lmin/ dB	L2/ dB	L8/ dB	L25/ dB	L50/ dB	L90/ dB
NM1 (lunchtime)	12:26 PM	12:36 PM	66.3	80.4	50.3	72.8	70.6	67.4	63.7	55.5
NM1 (late afternoon)	4:53 PM	5:03 PM	69.3	86.8	53.2	75.8	72.2	68.9	65.1	58.4
NM2 (lunchtime)	12:48 PM	12:58 PM	67.1	83.9	50.7	74.6	71.0	67.1	61.0	53.4
NM2 (late afternoon)	5:11 PM	5:21 PM	65.6	76.6	47.2	73.7	71.1	66.6	58.3	49.5
NM3 (lunchtime)	1:17 PM	1:27 PM	64.0	74.4	52.5	71.6	69.2	64.9	59.5	54.3
NM3 (late afternoon)	5:29 PM	5:39 PM	61.5	72.9	44.7	69.2	66.5	62.6	56.3	46.1
NM4 (lunchtime)	1:45 PM	1:55 PM	54.5	67.1	47.1	63.5	58.8	52.8	50.5	47.9
NM4 (late afternoon)	5:48 PM	5:58 PM	49.5	64.7	46.1	53.6	51.5	48.9	47.8	46.7
NM5 (lunchtime)	2:08 PM	2:18 PM	65.0	78.2	48.8	72.9	69.4	65.4	59.6	53.1
NM5 (late afternoon)	6:08 PM	6:18 PM	63.7	80.5	47.4	72.5	68.1	62.2	55.9	50.2

NM1 1633 26th Street, Santa Monica Project

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	12:25:27 PM									
2	Calibration Change	6/29/2020	12:25:43 PM									
3	Run	6/29/2020	12:26:03 PM									
4		6/29/2020	12:26:03 PM	65.8	102.1	74.4	53.3	88.3	12.1	0.6	No	
5		6/29/2020	12:27:00 PM	68.1	98.3	73.1	60.6	89.6	6.9	1.9	No	
6		6/29/2020	12:28:00 PM	64.0	94.6	69.4	53.7	90.2	8.3	2.0	No	
7		6/29/2020	12:29:00 PM	63.6	101.2	73.4	51.2	90.6	10	0.5	No	
8		6/29/2020	12:30:00 PM	68.6	104.1	80.4	55.1	91.0	10.3	7.7	No	
9		6/29/2020	12:31:00 PM	65.0	97.6	73.6	50.3	91.5	10.6	0.2	No	
10		6/29/2020	12:32:00 PM	67.1	92.3	73.4	57.1	91.5	6.6	0.4	No	
11		6/29/2020	12:33:00 PM	64.7	94.9	73.4	51.8	92.0	7.8	0.5	No	
12		6/29/2020	12:34:00 PM	67.0	99.1	72.6	58.5	92.5	9.6	0.1	No	
13		6/29/2020	12:35:00 PM	66.2	92.4	72.2	56.3	93.4	8.5	0.6	No	
14		6/29/2020	12:36:00 PM	56.4	86.0	57.2	55.5	93.4	13.6	0.5	No	
15	Stop	6/29/2020	12:36:03 PM									

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	4:53:31 PM									
2	Calibration Change	6/29/2020	4:53:46 PM									
3	Run	6/29/2020	4:53:57 PM									
4		6/29/2020	4:53:57 PM	58.1	85.2	62.9	58.9	94.0	12.2	4.6	No	
5		6/29/2020	4:54:00 PM	67.3	93.8	74.5	56.0	93.9	5.5	0.4	No	
6		6/29/2020	4:55:00 PM	65.6	95.8	74.7	53.2	93.9	7.6	1.9	No	
7		6/29/2020	4:56:00 PM	68.7	101.5	75.9	55.1	93.4	7.6	5.0	No	
8		6/29/2020	4:57:00 PM	68.1	97.7	76.5	54.3	92.9	6.1	2.0	No	
9		6/29/2020	4:58:00 PM	73.4	103.3	86.6	53.9	92.5	4.3	2.4	No	
10		6/29/2020	4:59:00 PM	62.7	98.2	71.1	56.6	92.0	9.6	-0.1	No	
11		6/29/2020	5:00:00 PM	68.2	98.5	75.0	57.6	91.5	8.9	2.3	No	
12		6/29/2020	5:01:00 PM	66.0	97.3	73.0	58.2	90.8	6.9	1.2	No	
13		6/29/2020	5:02:00 PM	73.3	109.3	86.8	57.1	90.2	8.3	-0.4	No	
14		6/29/2020	5:03:00 PM	67.6	97.5	72.8	58.0	89.6	8.4	2.8	No	
15	Stop	6/29/2020	5:03:57 PM									

NM2 1633 26th Street, Santa Monica Project

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	12:48:11 PM									
2	Calibration Change	6/29/2020	12:48:26 PM									
3	Run	6/29/2020	12:48:49 PM									
4		6/29/2020	12:48:49 PM	66.1	96.1	69.9	63.3	94.5	6.6	0.2	No	
5		6/29/2020	12:49:00 PM	61.4	98.6	69.1	51.5	94.1	8.2	4.7	No	
6		6/29/2020	12:50:00 PM	73.2	103.2	83.9	57.1	93.4	7.7	4.5	No	
7		6/29/2020	12:51:00 PM	64.6	101.4	72.7	53.0	92.5	7	5.6	No	
8		6/29/2020	12:52:00 PM	65.5	102.2	73.0	51.4	91.5	8.1	4.6	No	
9		6/29/2020	12:53:00 PM	62.8	97.4	71.5	50.7	90.6	8.3	0.3	No	
10		6/29/2020	12:54:00 PM	66.7	100.9	72.5	55.6	89.6	5.1	0.7	No	
11		6/29/2020	12:55:00 PM	67.5	112.9	75.9	51.7	88.7	7	5.9	No	
12		6/29/2020	12:56:00 PM	67.0	95.5	75.1	52.2	88.1	4.4	0.2	No	
13		6/29/2020	12:57:00 PM	62.5	101.8	73.5	52.8	87.2	10.5	0.2	No	
14		6/29/2020	12:58:00 PM	64.9	96.8	72.8	52.8	86.9	6.4	1.9	No	
15	Stop	6/29/2020	12:58:49 PM									

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	5:10:37 PM									
2	Calibration Change	6/29/2020	5:10:52 PM									
3	Run	6/29/2020	5:11:09 PM									
4		6/29/2020	5:11:09 PM	64.2	99.3	72.8	53.3	87.8	6.6	5.8	No	
5		6/29/2020	5:12:00 PM	64.0	102.7	70.7	53.5	88.7	8.3	1.3	No	
6		6/29/2020	5:13:00 PM	64.6	96.6	72.0	47.9	89.2	6.8	1.9	No	
7		6/29/2020	5:14:00 PM	64.4	96.4	73.4	47.2	90.1	6.4	0.4	No	
8		6/29/2020	5:15:00 PM	64.9	96.8	75.2	48.2	90.9	7.5	0.4	No	
9		6/29/2020	5:16:00 PM	70.3	97.1	75.1	54.0	91.5	3.8	-0.3	No	
10		6/29/2020	5:17:00 PM	66.4	99.6	76.6	51.8	92.5	3.1	2.3	No	
11		6/29/2020	5:18:00 PM	65.2	93.8	74.0	48.9	93.4	8.7	0.4	No	
12		6/29/2020	5:19:00 PM	60.1	93.4	71.7	47.2	93.9	9.3	0.6	No	
13		6/29/2020	5:20:00 PM	64.7	99.8	71.0	49.5	94.8	7.2	5.7	No	
14		6/29/2020	5:21:00 PM	56.3	92.1	61.8	50.7	94.9	9.1	0.4	No	
15	Stop	6/29/2020	5:21:09 PM									

NM3 1633 26th Street, Santa Monica Project

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	1:16:36 PM									
2	Calibration Change	6/29/2020	1:16:52 PM									
3	Run	6/29/2020	1:17:06 PM									
4		6/29/2020	1:17:06 PM	63.6	92.9	69.2	53.5	81.1	12.9	14.8	No	
5		6/29/2020	1:18:00 PM	59.9	99.0	67.7	52.5	82.5	16.4	1.3	No	
6		6/29/2020	1:19:00 PM	61.5	98.0	69.0	54.4	83.9	14.6	0.1	No	
7		6/29/2020	1:20:00 PM	64.0	93.8	70.8	55.1	85.3	11.9	0.8	No	
8		6/29/2020	1:21:00 PM	61.8	94.1	69.2	53.2	86.8	14	5.5	No	
9		6/29/2020	1:22:00 PM	61.8	96.1	72.5	53.1	88.2	14	2.2	No	
10		6/29/2020	1:23:00 PM	59.9	92.7	68.7	53.3	89.4	15.3	0.9	No	
11		6/29/2020	1:24:00 PM	65.6	95.8	71.9	53.2	90.6	11	0.5	No	
12		6/29/2020	1:25:00 PM	65.9	94.6	71.5	53.4	91.6	11	0.8	No	
13		6/29/2020	1:26:00 PM	68.1	99.0	74.4	54.9	92.9	9.5	0.3	No	
14		6/29/2020	1:27:00 PM	62.8	97.7	65.4	58.0	92.9	13.8	0.8	No	
15	Stop	6/29/2020	1:27:06 PM									

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	5:28:35 PM									
2	Calibration Change	6/29/2020	5:28:49 PM									
3	Run	6/29/2020	5:29:04 PM									
4		6/29/2020	5:29:04 PM	61.4	86.3	68.0	47.0	94.8	4.7	3.2	No	
5		6/29/2020	5:30:00 PM	51.9	95.2	62.4	44.7	94.3	10.9	0.2	No	
6		6/29/2020	5:31:00 PM	60.8	89.1	69.3	45.6	94.2	5.3	0.4	No	
7		6/29/2020	5:32:00 PM	63.1	91.7	72.6	45.6	93.9	4.1	0.9	No	
8		6/29/2020	5:33:00 PM	58.6	91.4	67.0	45.5	93.4	5.6	1.2	No	
9		6/29/2020	5:34:00 PM	62.6	87.0	70.3	52.3	92.9	6.4	-0.3	No	
10		6/29/2020	5:35:00 PM	61.6	88.6	69.1	49.8	92.5	5.8	0.8	No	
11		6/29/2020	5:36:00 PM	56.6	95.9	66.0	45.8	92.5	7.9	0.5	No	
12		6/29/2020	5:37:00 PM	62.5	88.5	68.1	47.9	92.0	5.4	1.0	No	
13		6/29/2020	5:38:00 PM	65.0	99.3	72.9	51.5	91.5	13	1.3	No	
14		6/29/2020	5:39:00 PM	61.6	83.0	66.0	58.7	91.5	5	1.3	No	
15	Stop	6/29/2020	5:39:04 PM									

NM4 1633 26th Street, Santa Monica Project

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	1:45:27 PM									
2	Calibration Change	6/29/2020	1:45:41 PM									
3	Run	6/29/2020	1:45:55 PM									
4		6/29/2020	1:45:55 PM	48.2	89.0	53.7	48.2	96.7	15.1	7.0	No	
5		6/29/2020	1:46:00 PM	48.8	96.8	53.5	47.4	96.7	16.2	1.4	No	
6		6/29/2020	1:47:00 PM	48.0	92.0	49.5	47.1	97.0	14.1	1.0	No	
7		6/29/2020	1:48:00 PM	56.0	95.1	65.8	47.8	97.2	11	0.0	No	
8		6/29/2020	1:49:00 PM	57.6	96.7	67.1	47.8	97.2	8.9	0.6	No	
9		6/29/2020	1:50:00 PM	57.6	91.9	65.5	49.2	97.2	8.4	1.3	No	
10		6/29/2020	1:51:00 PM	54.8	96.2	65.4	47.5	97.2	11.1	1.7	No	
11		6/29/2020	1:52:00 PM	51.5	96.7	58.5	47.6	97.1	12.8	5.0	No	
12		6/29/2020	1:53:00 PM	52.1	89.5	57.4	48.1	97.0	11.7	1.5	No	
13		6/29/2020	1:54:00 PM	54.8	94.4	61.1	48.2	97.1	16.3	-0.1	No	
14		6/29/2020	1:55:00 PM	53.1	96.4	58.4	48.1	97.2	13.4	0.4	No	
15	Stop	6/29/2020	1:55:55 PM									

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	5:47:27 PM									
2	Calibration Change	6/29/2020	5:47:42 PM									
3	Run	6/29/2020	5:48:10 PM									
4		6/29/2020	5:48:11 PM	48.0	98.4	49.6	46.3	88.2	15.4	1.3	No	
5		6/29/2020	5:49:00 PM	49.4	99.3	54.9	46.1	89.0	13.9	1.5	No	
6		6/29/2020	5:50:00 PM	48.5	100.1	53.2	46.5	89.6	19.9	0.4	No	
7		6/29/2020	5:51:00 PM	48.6	97.8	53.5	47.0	90.1	17.8	0.2	No	
8		6/29/2020	5:52:00 PM	48.0	94.3	50.2	46.9	90.3	15.9	0.2	No	
9		6/29/2020	5:53:00 PM	49.1	100.1	53.8	46.7	90.6	15	0.4	No	
10		6/29/2020	5:54:00 PM	48.7	99.8	52.7	46.6	90.9	18.4	0.6	No	
11		6/29/2020	5:55:00 PM	47.4	93.9	52.4	46.3	91.0	14.5	0.7	No	
12		6/29/2020	5:56:00 PM	54.0	86.9	64.7	46.4	91.5	8.3	0.3	No	
13		6/29/2020	5:57:00 PM	48.8	89.5	53.4	46.4	91.6	13.5	0.2	No	
14		6/29/2020	5:58:00 PM	46.4	85.3	46.8	46.2	91.9	14.3	0.5	No	
15	Stop	6/29/2020	5:58:11 PM									

NM5 1633 26th Street, Santa Monica Project

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	2:08:22 PM									
2	Calibration Change	6/29/2020	2:08:38 PM									
3	Run	6/29/2020	2:08:51 PM									
4		6/29/2020	2:08:51 PM	55.6	97.2	59.0	53.8	96.7	11.8	0.4	No	
5		6/29/2020	2:09:00 PM	66.2	94.7	72.2	52.5	97.6	6.2	4.9	No	
6		6/29/2020	2:10:00 PM	62.0	89.0	69.9	52.7	98.1	5.7	8.3	No	
7		6/29/2020	2:11:00 PM	57.9	93.9	66.1	50.1	98.6	10	2.1	No	
8		6/29/2020	2:12:00 PM	65.8	98.9	70.8	54.9	99.1	7.6	1.2	No	
9		6/29/2020	2:13:00 PM	60.4	91.8	72.2	49.8	99.6	7.2	1.3	No	
10		6/29/2020	2:14:00 PM	64.8	96.5	72.2	52.0	100.0	5.7	0.8	No	
11		6/29/2020	2:15:00 PM	70.3	99.1	78.2	53.9	100.5	6.1	8.2	No	
12		6/29/2020	2:16:00 PM	63.1	95.4	70.8	52.0	101.0	6.5	1.7	No	
13		6/29/2020	2:17:00 PM	62.2	95.5	68.7	50.8	101.5	8.7	-0.6	No	
14		6/29/2020	2:18:00 PM	65.1	96.7	71.4	52.7	101.9	6.1	5.8	No	
15	Stop	6/29/2020	2:18:51 PM									

Record #	Record Type	Date	Time	LAeq	LZpeak	LASmax	LASmin	Int. Temp (°F)	LCeq-LAeq	LAIeq-LAeq	OVLD	Marker
1	Calibration Change	6/29/2020	6:08:02 PM									
2	Calibration Change	6/29/2020	6:08:18 PM									
3	Run	6/29/2020	6:08:38 PM									
4		6/29/2020	6:08:38 PM	56.1	87.5	60.8	49.1	90.6	11.3	0.9	No	
5		6/29/2020	6:09:00 PM	63.8	93.9	74.5	48.3	90.6	5.2	10.0	No	
6		6/29/2020	6:10:00 PM	64.7	97.3	72.4	49.4	90.1	10.4	1.6	No	
7		6/29/2020	6:11:00 PM	58.5	93.3	67.7	48.6	89.6	7.8	-0.2	No	
8		6/29/2020	6:12:00 PM	62.6	94.7	67.3	49.7	89.2	5.7	0.9	No	
9		6/29/2020	6:13:00 PM	60.7	97.4	69.1	49.3	88.7	14.8	2.6	No	
10		6/29/2020	6:14:00 PM	61.9	91.2	69.8	52.4	88.2	6.6	1.1	No	
11		6/29/2020	6:15:00 PM	54.2	97.8	62.8	47.4	87.7	11.5	1.5	No	
12		6/29/2020	6:16:00 PM	67.8	103.9	80.5	48.7	87.2	9.3	1.7	No	
13		6/29/2020	6:17:00 PM	58.5	92.1	65.6	47.5	86.8	9	1.0	No	
14		6/29/2020	6:18:00 PM	69.4	94.7	77.6	50.6	86.6	5.1	1.2	No	
15	Stop	6/29/2020	6:18:38 PM									

Table A

Construction Noise by Phase - Closest Receptors West of the Project Site (NM1)

A	B	C	D	E	F	G	H	I
Equipment Type	# of Equipment	Equipment Lmax at 50 feet, dBA[1,2]	Distance to Receptor[3]	Equipment Usage Percen	Usage Factor	Dist. Correction dB	Usage Adj. dB	Noise Level Leq (dBA) at Receptor
Demolition								
Concrete/Industrial Saw	1	89.6	468	20	0.20	-19.4	-7.0	63.2
Rubber Tired Dozers	3	82	468	40	1.20	-19.4	0.8	63.4
Dumpers/Tenders	1	76	468	40	0.40	-19.4	-4.0	52.6
Generator Sets	1	81	468	50	0.50	-19.4	-3.0	58.6
Air Compressors	1	78	468	40	0.40	-19.4	-4.0	54.6
Tractors/Loaders/Backhoes	4	80	468	25	1.00	-19.4	0.0	60.6
							Log Sum	67.5
Site Preparation								
Graders	1	85	468	40	0.40	-19.4	-4.0	61.6
Dumpers/Tenders	1	76	468	40	0.40	-19.4	-4.0	52.6
Tractors/Loaders/Backhoes	4	80	468	25	1.00	-19.4	0.0	60.6
Excavators	3	81	468	40	1.20	-19.4	0.8	62.4
							Log Sum	64.4
Grading								
Excavators	1	81	468	40	0.40	-19.4	-4.0	57.6
Bore/Drill Rigs	2	80	468	40	0.80	-19.4	-1.0	59.6
Generator Sets	1	81	468	50	0.50	-19.4	-3.0	58.6
Plate Compactors	2	80	468	20	0.40	-19.4	-4.0	56.6
Air Compressors	1	78	468	40	0.40	-19.4	-4.0	54.6
Sweeper/Scrubbers	1	80	468	10	0.10	-19.4	-10.0	50.6
							Log Sum	64.9
Building Construction								
Cranes	1	81	468	16	0.16	-19.4	-8.0	53.6
Forklifts	2	64	468	50	1.00	-19.4	0.0	44.6
Dumpers/Tenders	2	76	468	40	0.80	-19.4	-1.0	55.6
Generator Sets	2	81	468	50	1.00	-19.4	0.0	61.6
Aerial Lifts	3	75	468	20	0.60	-19.4	-2.2	53.4
Welders	2	73	468	40	0.80	-19.4	-1.0	52.6
Tractors/Loaders/Backhoes	2	80	468	25	0.50	-19.4	-3.0	57.6
							Log Sum	64.8
Architectural Coating								
Air Compressors	3	78	468	40	1.20	-19.4	0.8	59.4
							Log Sum	59.4

Notes:

(1) Source: Referenced noise levels from the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual (September 2018).

(2) Source: https://www.google.com/url?q=http://www.noisetesting.info/blog/warehouse-forklift-workplace-noise-levels/&sa=D&source=hangouts&ust=1545259247311000&usg=AFQjCNHFcKKoEKUjv5VZMOtw_KO977Em1A

(3) Distance to receptor calculated from center of site. Construction noise projected from the center of the project site to the structural façade of the nearest sensitive to NM1 to the east of the site.

Appendix I
Traffic Report

1633 26TH STREET PROJECT
TRANSPORTATION IMPACT ANALYSIS

SANTA MONICA, CALIFORNIA

November 2020

PREPARED FOR

ECOTIERRA CONSULTING

PREPARED BY

FEHR PEERS

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

APPENDICES

EXECUTIVE SUMMARY

This study analyzes the potential transportation impacts of the proposed 1633 26th Street Project (Project) in the City of Santa Monica (City). The study is part of the Environmental Impact Report (EIR) being prepared for the project in accordance with the California Environmental Quality Act (CEQA). This study describes existing transportation facilities in the project area, identifies the assumptions and methodologies used to analyze the proposed Project's impacts on vehicle miles traveled (VMT), and provides a comparative analysis of the transportation impacts for the proposed Project and its alternatives. Intersection operations analysis is also included in this study for informational purposes.

PROJECT DESCRIPTION

The Project site is located on two parcels bounded by a recently constructed four-story office building on the north, Pennsylvania Avenue on the south, surface parking serving a four-story office building on the east and 26th Street on the west. The proposed Project consists of the refurbishment of an existing three-story, 45,429 square feet (sf) office building and the adjacent development of two new four-story, creative and business professional office buildings comprising a total of 129,256 sf of new floor area. If not developed for office space, up to 5,376 sf of ground floor space could alternatively be utilized for active retail/restaurant use. For the analysis of transportation impacts, this study will analyze the land use scenario that results in the most conservative (worst case) impacts. Upon completion, the Project's three buildings will total approximately 174,685 sf.

The Project would also include a three-level subterranean garage with 399 parking spaces with vehicular access provided from Pennsylvania Avenue. An estimated 713 employees would be employed by the Project. In accordance with the City's Transportation Demand Management Ordinance, the project would implement a TDM plan.

SUMMARY OF TRANSPORTATION ANALYSIS

Vehicle Miles Traveled Impact Assessment

Section 15064.3 of the CEQA Guidelines was added by the Office of Planning and Research on December 28, 2018, and states that vehicles miles traveled (VMT) is the appropriate measure of transportation impacts for projects subject to CEQA. Section 15064.3(c) also states that the provisions of this section shall apply prospectively (i.e., only applicable to new projects after date of adoption) and must be implemented statewide by July 1, 2020. On June 9, 2020, the City adopted a new process for analyzing the transportation impacts of land use and transportation projects. For land use projects in Santa Monica, the analysis consists of a two-step process which includes VMT screening and, if necessary, VMT analysis. The VMT estimates of the proposed Project were compared against the City's two sets of VMT significance thresholds.

- The daily Project's VMT per employee does not exceed the City's VMT Significance Threshold 1. The daily work VMT per employee is estimated at 13.6, less than the threshold of 19.2 for existing citywide work VMT per employee.
- The proposed Project's total employee VMT would not exceed the City's VMT Significance Threshold 2. The total employee VMT calculated for the Project's (not including restaurant patrons) would be 9,697 miles, which is 29.2% lower than the "business as usual" employee VMT.
- Therefore, the proposed Project would have a less than significant impact on VMT as it would not exceed either of the City's significance thresholds 1 and 2.

1. INTRODUCTION

Fehr & Peers evaluated the potential transportation impacts of the proposed 1633 26th Street Project (Project) in the City of Santa Monica (City). This study identifies the existing conditions of the City's transportation and circulation system and options, describes the assumptions and methodologies for the analysis, and summarizes the findings of this study, which was conducted as part of the Environmental Impact Report (EIR) for the proposed Project.

PROJECT DESCRIPTION

The Project site is located on two parcels bounded by a recently constructed four-story office building on the north, Pennsylvania Avenue on the south, surface parking serving a four-story office building on the east and 26th Street on the west. The proposed Project consists of the refurbishment of an existing three-story, 45,429 sf office building and the adjacent development of two new four-story, creative and business professional office buildings comprising a total of 129,256 sf of new floor area. If not developed for office space, up to 5,376 sf of ground floor space could alternatively be utilized for active retail/restaurant use. Upon completion the project's three buildings will total approximately 174,685 sf. For the analysis of transportation impacts, this study will analyze the land use scenario that results in the most conservative (worst case) impacts. Upon completion, the Project's three buildings will total approximately 174,685 sf. **Figure 1** illustrates the site plan for the proposed Project.

The Project would also include a three-level subterranean garage with 399 parking spaces with vehicular access provided from Pennsylvania Avenue. Upon completion, the Project would employ an estimated 713 employees, including 677 office employees (4 employees per thousand sf) and 36 restaurant employees.

In accordance with the City's Transportation Demand Management (TDM) Ordinance (Santa Monica Municipal Code Section 9.53), the Project would implement a TDM plan that would include elements such as those listed below:

- On-site transportation information in an on-site physical location, such as a bulletin board or kiosk, or through other media, such as on a website or other digital means
- A designated Project Transportation Coordinator – A single transportation coordinator would design, manage and update the project's TDM program. Duties would include:
    - Participate in a Transportation Management Association (TMA)
    - Administer TDM programs
    - Maintaining a Transportation Information Center (TIC)
    - Facilitating ride-matching online and through data collection and info boards
    - Publishing alerts, resolving emergency issues, evaluating programs, and recommending improvements

  - Acting as mechanism to distribute commuter incentives
  - Producing promotional and survey materials
  - Evaluating TDM program effectiveness
  - Advocating for improved transit service
  - Developing parking management plans
  - Facilitating financial support for formation of vanpools and carpools
  - Providing discounted transit fares or passes
  - Developing bike-to-work and walk-to-work promotions
  - Coordinating emergency rides home
  - Managing preferential parking for high occupancy vehicles (HOVs)

  This is a common position for programs that serve a large number of employees and/or residents. The position would require, at a minimum, a part-time coordinator.

- New employee orientation
  - Orientation takes place prior to hiring or starting school to educate employees of alternative transportation options and costs. It is aimed to influence decision on where to live, how to travel to work, and make other travel decisions.

- Parking cash out for leased spaces
  - Parking cash out is a price-based tool for making walking, bicycling, and transit more attractive travel options compared to driving. In a parking cash out program, employers offer commuters who forgo their parking spaces the monthly value of those parking spaces. Although the proposed project may not be mandated to comply with existing parking cash out legislation, the proposed project could still choose to implement a parking cash out program as part of the TDM plan.

- Incentives for employees that live within one-half mile of workplace

- Information regarding availability of bike commute training offered either on-site or by a third party

- On-site shared bicycles intended for employee use during the workday, if citywide bikeshare is unavailable within two-block radius of Project site in the future

- Commuter matching services for all employees on an annual basis, and for all new employees upon hiring

- Information regarding the benefits of compressed work schedule, flex-time schedule, telecommuting, and guaranteed ride home

- Transit pass subsidy

  - A transit pass subsidy has the potential to be an effective TDM strategy for the project's employees. Santa Monica's Big Blue Bus and Metro provide frequent local bus and regional rail transit service near the project site. For project employees, the most efficient way to incentivize the use of transit is to subsidize monthly transit passes. To do this, employers participate in an employer pass program and subsidize a portion of the cost of a monthly transit pass. The project Applicant would be required to provide subsidized transit passes to employees.

- Bike valet, free of charge, during all automobile valet operating hours

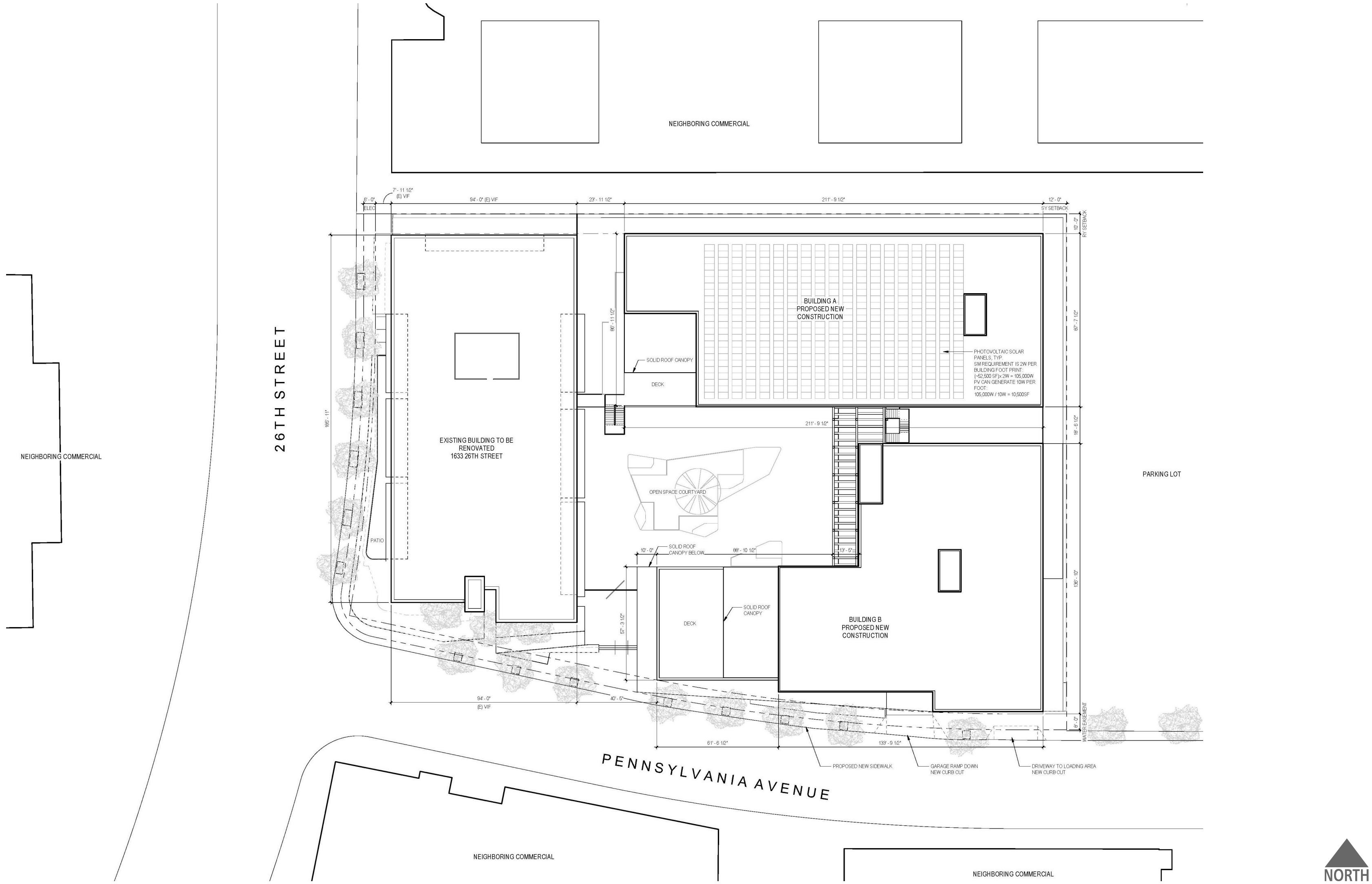


Figure 1

1633 26th Street Project - Site Plan

STUDY SCOPE

In accordance with the California Environmental Quality Act (CEQA) and City transportation study requirements, this study analyzes the Project's vehicle miles traveled and CEQA-required alternatives to the project.

Vehicle Miles Traveled Analysis

Section 15064.3 of the CEQA Guidelines was added by the Office of Planning and Research on December 28, 2018, and states that vehicles miles traveled (VMT) is the appropriate measure of transportation impacts for projects subject to CEQA. Section 15064.3(c) also states that the provisions of this section shall apply prospectively (i.e., only applicable to new projects after date of adoption) and must be implemented statewide by July 1, 2020. On June 9, 2020, the City adopted a new process for analyzing the transportation impacts of land use and transportation projects. For land use projects in Santa Monica, the analysis consists of a two-step process which includes VMT screening and, if necessary, VMT analysis.

The City of Santa Monica has developed a VMT Calculator tool to assess the VMT impacts of proposed development projects within the City. The VMT Calculator takes into account a project site's proximity to high quality transit as well as the land use conditions around the project site including the diversity and density of nearby uses. Analysis was conducted for the Project using the City's VMT analysis procedures and VMT Calculator.

Project Alternatives

Additionally, in accordance with CEQA Guidelines Section 15126.6, this study analyzes the transportation impacts of alternatives to the proposed Project.[1]

- Alternative 1 – No Project
- Alternative 2 – Tier 2, Reduction in Floor Area and Height
- Alternative 3 – Tier 3 Height and Density
- Alternative 4 – Mixed Use Office and Residential

Further descriptions of these alternatives are provided in Chapter 4.

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[1] *As required by CEQA, the study analyzes a range reasonable alternatives to the project and include ones that are potentially feasible, would "feasibly attain most of the basic objectives of the project," and would avoid or substantially lessen any of the project's significant effects.*

ORGANIZATION OF REPORT

This report is divided into five chapters, including this introduction, Chapter 1. Chapter 2 describes the existing transportation system and mobility options (including the roadway network, public transit, bicycle/pedestrian facilities). Chapter 3 provides the vehicles miles traveled (VMT) impact analysis conducted for the Project as required by CEQA. Lastly, Chapter 4 presents an analysis of alternatives to the project that would reduce environmental impacts as required by CEQA.

2. ENVIRONMENTAL SETTING

The project site is located at 1633 26th Street in the urbanized City of Santa Monica within the boundaries of the Bergamot Area Plan and is surrounded by office buildings, a satellite campus of Santa Monica College and light industrial uses. It occupies two parcels and is immediately bounded by a recently-constructed four-story office building on the north, Pennsylvania Avenue on the south, surface parking serving a four-story office building on the east and 26th Street on the west.

EXISTING LAND USES

Bergamot Area Plan

The Project site is located within the Bergamot Area Plan (BAP). The BAP area is located in the eastern portion of the City, focused around the 26th Street/Bergamot Station for the Metro E (formerly Expo) Line. The BAP area generally encompasses the properties bounded by Centinela Avenue, Franklin Street, and Stanford Street to the east; Colorado Avenue to the north; 26th Street and Cloverfield Boulevard to the west; and Michigan Avenue/Exposition Boulevard to the south. The BAP is divided into two distinct areas: the Bergamot Transit Village in the western portion and the Mixed-Use Creative District in the eastern portion, with Stewart Street dividing the two areas.

The project site is situated along the northern border of the Bergamot Transit Village portion of the BAP. Land uses in the Bergamot Transit Village include the 26th Street/Bergamot Station for the Metro E Line; the 26th Street Arts Center; light industrial uses; art galleries; various commercial, general/professional office and creative office uses; private school and community college uses; and accessory retail, restaurant, childcare, and health club uses. These land uses are housed in a variety of buildings, from large, campus-style business park developments to reused warehouse buildings.

Surrounding Land Uses

The Project site is surrounded by commercial, general/professional office and creative office uses on all sides in relatively large floorplate office buildings, with accessory retail, restaurant, childcare, and health club uses. An existing five-story office building is located directly to the north, which separates the project site from existing multi-family residential uses. Large office developments are located directly across 26th Street to the west including the Water Garden, which house corporate, entertainment, and financial offices, showrooms, and landscaped outdoor areas. Colorado Center is located northwest of the site, at the corner of Colorado Avenue and 26th Street. One- and two-story office buildings, and Santa Monica College (SMC) (Center for Media & Design) buildings and parking structure are located southeast of the site across Pennsylvania Avenue at Stewart Street. This SMC campus location is also home to KCRW radio station. A two-story office building is located to the east along Pennsylvania Avenue.

EXISTING STREET SYSTEM

The Project site is on the northeast corner of 26th Street & Pennsylvania Avenue in the eastern area of the city of Santa Monica. Regional access is provided by the Santa Monica Freeway (I-10), with access ramps approximately one-half mile to the south at Centinela Avenue, Cloverfield Boulevard, and 20th Street. Other regional highways in the area include the San Diego Freeway (I-405) and Palisades Beach Road/Pacific Coast Highway (SR-1), both of which connect to I-10 and are located more than two miles from the Project site.

The streets in the immediate vicinity of the Project site are described below.

- Pennsylvania Avenue is a short two-lane (one vehicle lane in each direction) east-west roadway that runs between 26th Street and Stewart Street. It is classified as an Avenue: Industrial. Pennsylvania Avenue currently has limited sidewalks which include a 6' wide sidewalk on the north side of the street adjacent to a portion of the project site. There is also an 18' wide sidewalk on the south side of the street fronting Santa Monica College. Neither side of Pennsylvania Avenue has a continuous sidewalk that extends over the entire block.

- 26th Street is a north-south roadway that runs between the project area and the Brentwood neighborhood in Los Angeles. South of Colorado Avenue one to two vehicle lanes are provided in each direction and parking is not permitted. North of Colorado Avenue 26th Street provides one lane in each direction and, north of Broadway, parking is allowed. Near the project site, 26th Street is developed with mostly office, with medium density residences on north of the area of the site. To the south, 26th Street at Olympic Boulevard provides access to 26th Street/Bergamot Station on the E Line (the Expo Line). It is classified as an Avenue: Major south of Broadway and as an Avenue: Secondary north of Broadway and is signed as a bicycle route. Sidewalks are generally present along both sides of the street and are approximately 8' wide.

- Colorado Avenue is an east-west roadway that provides surface street access to Downtown Santa Monica and connects with nearby Los Angeles neighborhoods such as West LA and Sawtelle. In Los Angeles, Colorado Avenue continues as Idaho Avenue. West of 26th Street Colorado Avenue provides two travel lanes in each direction with left-turn lanes at intersections and parking generally allowed. East of 26th Street, the roadway narrows to a one lane in each direction with raised planted medians and the character of the adjacent land uses is mostly residential on the north side and office on the south side. Sidewalks are present along both sides of the street and are approximately 6' wide.

- Stewart Street is a four-lane north-south roadway located east of the site between Colorado Avenue and Pico Boulevard. Near the project site, Stewart Street is developed with large plate office buildings. Stewart Street also provides access to Santa Monica College and crosses the E Line (the Expo Line) at Olympic Boulevard. Sidewalks are present on both sides of the street and are approximately 6-8' wide.

The City's Land Use and Circulation Element (LUCE) defines the street system according to its use by various modes including walking, biking, transit, and automobile. The City streets surrounding the Project site are described below based on their designations in the LUCE:

- Boulevard – Boulevards are regional transportation corridors with continuous mixed-use and commercial land uses. Boulevards provide access for all forms of transportation but emphasize transit and walking. Regional automobile traffic is also accommodated along Boulevards in order to minimize regional traffic on parallel local streets. Wilshire Boulevard, Santa Monica Boulevard, and Pico Boulevard are classified as boulevards near the study site. Boulevards typically provide two vehicle lanes in each direction, often have metered on-street parking, and typically do not have bicycle lanes although bicycle routes or "sharrows" may be posted.

- Avenue: Major – These streets serve regional automobile trips and provide access for all modes of transportation. They are designed to discourage regional auto traffic from using Secondary or Minor Avenues. The Major Avenues in the study area include Cloverfield Boulevard south of Santa Monica Boulevard, 26th Street south of Broadway, and Centinela Avenue south of Olympic Boulevard. These streets typically do not allow on-street parking or stopped vehicles.

- Avenue: Secondary – These streets distribute automobile trips onto Minor Avenues and Neighborhood Streets and often serve regional bicycle trips. Secondary Avenues in the study area include Broadway west of 26th Street, Colorado Avenue, 20th Street, 26th Street north of Broadway, and Centinela Avenue north of Olympic Boulevard. These streets are generally a single vehicle lane in each direction. These streets may include on-street parking, such as along Broadway.

- Avenue: Minor – These streets serve local automobile and bicycle trips. Minor Avenues in the study area include Stewart Street, Nebraska Avenue, and Broadway east of 26th Street. These streets typically provide a single vehicle lane in each direction and typically provide on-street parking for residents, visitors and loading zones. All three of these streets provide bicycle lanes.

- Avenue: Industrial – These streets are minor streets that provide access to individual industrial parcels. Pennsylvania Avenue is classified as an Industrial Avenues in the study area. These streets typically provide a single vehicle lane in each direction and typically provide on-street parking for visitors and loading zones.

- Neighborhood Street – These streets primarily serve adjacent buildings. 17th Street is a Neighborhood Street in the study area. These streets provide a single vehicle lane in each direction and typically have on-street parking for residents, visitors, and loading zones.

EXISTING PUBLIC TRANSIT SERVICE

The City's Big Blue Bus and the Los Angeles County Metropolitan Transportation Authority (Metro) provide a dense network of public transit service throughout the study area. The Project site is directly accessible via transit links between most areas of the City and much of the metropolitan area including Downtown Los

Angeles, University of California, Los Angeles (UCLA)/West Los Angeles, Century City, Los Angeles International Airport (LAX), Venice, and Culver City. Weekday peak hour transit ridership varies by bus line, as described below, but generally the peak hour falls between 6:00 AM to 9:00 AM and 4:00 PM to 7:00 PM. Transit operators adjust bus schedules and headways typically two or three times a year, particularly in the case of Big Blue Bus as service changes coincide with the schedules of Santa Monica College and UCLA. During these schedule updates, service is sometimes reallocated between routes to match demand and changing travel patterns; the route descriptions below are from late 2019 and can be considered representative of the existing schedules and headways.

As of August 2020, Big Blue Bus has adjusted 12 routes and suspended service on four routes in response to the impacts of COVID-19. Metro has also implemented service changes due to COVID-19. However, bus schedules and routes that have been affected are assumed to be temporary. Any service changes on bus lines that serve the Project site due to COVID-19 are also described below.

Metro E Line (Expo) Light Rail and 26th Street/Bergamot Station

The Project site is located less than a ¼ mile from the 26th Street/Bergamot Station, 2 stops away from the western terminus of the Metro E Line (Expo) Light Rail. The 26th Street/Bergamot Station is located at 26th Street/Olympic Boulevard Avenue. Formerly known as the Expo Line or Expo LRT, the E Line provides a high-frequency rail connection between downtown Santa Monica to Downtown Los Angeles and connects with other Metro rail service in Downtown Los Angeles. Service operates daily from approximately 4:00 AM through 2:00 AM, with peak headways of 6 minutes in both directions and off-peak headways between 12 and 20 minutes. Due to COVID-19, the E Line currently provides service every 12 minutes between 6:00 AM and 6:00 PM, and every 20 minutes at all other times.

A new connecting line along Crenshaw Boulevard is under construction and is planned to open in 2021, providing service south towards LAX and connecting with the Metro C Line (Green). In the future, Metro's "Regional Connector" subway project in Downtown Los Angeles will extend the E Line through downtown and connect with the existing L Line (Gold) towards East Los Angeles, creating a single-seat transit trip that currently requires multiple connections. That project is planned to open sometime after 2023.

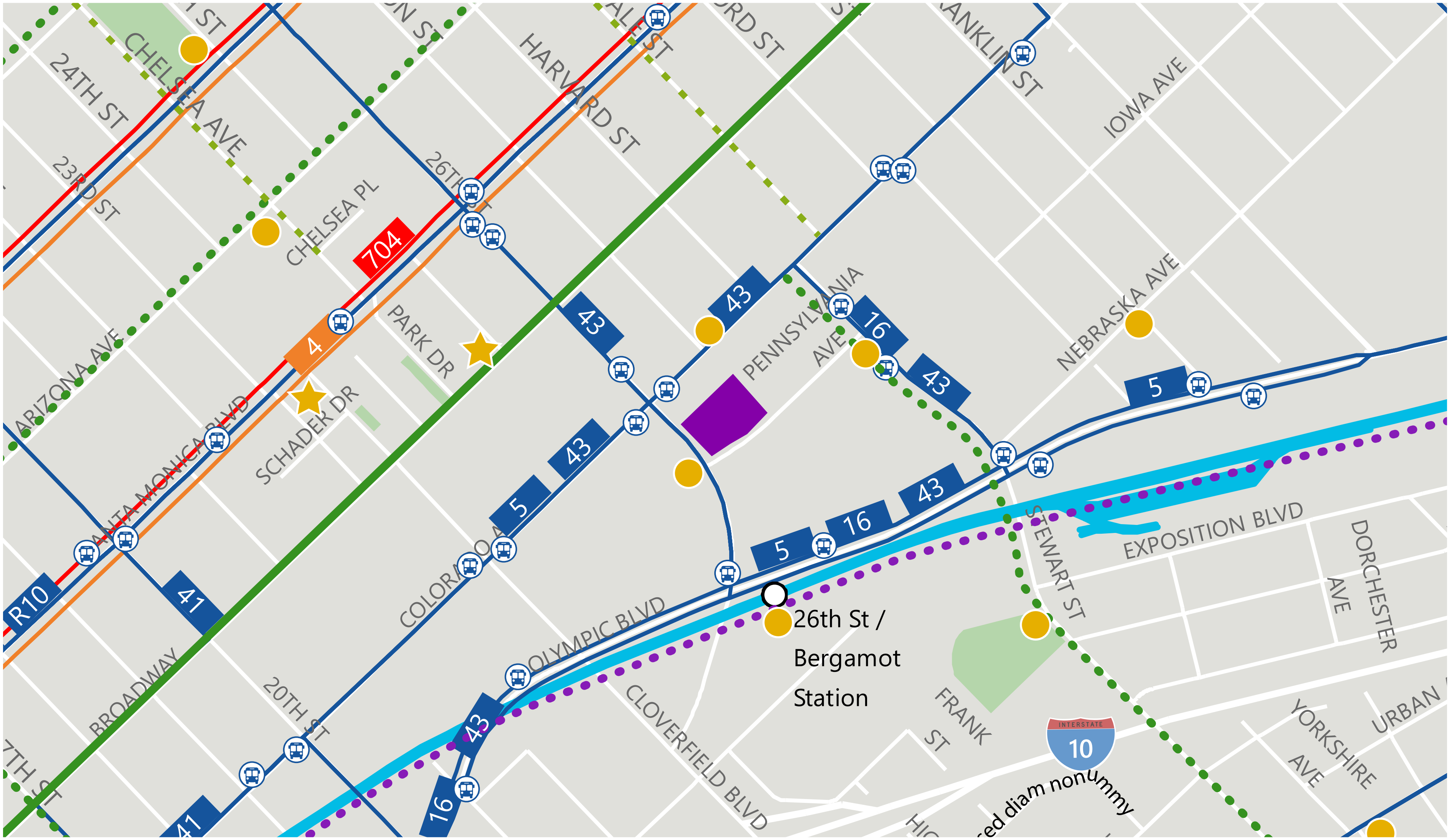
Public Buses

There are five Big Blue Bus lines that serve the Project site. Big Blue Bus Lines 5, 16, and 43 stop across the street from the Bergamot station provide further means of access to Downtown Santa Monica, Venice, Mar Vista, Marina Del Rey, Brentwood, Century City, West LA, and Palms. Lines 16 and 43 also stop at Stewart Street and Pennsylvania Avenue. Big Blue Bus lines 1 and Rapid 10 have stops at Santa Monica Boulevard & 26th Street provide access to Venice, Downtown Santa Monica, Westwood, West Los Angeles, and Downtown Los Angeles. One Metro line serves the Project site. Metro Bus Rapid Line 704 and Metro Early AM, Evening/Owl Line 4 stop on Santa Monica Boulevard & 26th Street providing access to Downtown Santa Monica, West Los Angeles, West Hollywood, Echo Park, and Downtown Los Angeles.

More details about the bus lines within 0.25 miles of the Project site are outlined below:

- Big Blue Bus Line 1 (Santa Monica Boulevard) – Line 1 runs between Venice and UCLA in Westwood. Headways are approximately every 10 minutes during the weekdays and every 10 to 20 minutes during weekends. The stop closest to the Project site is located at Santa Monica Boulevard & 26th Street. There are no service changes to this line due to COVID-19.
- Big Blue Bus Line 5 (Colorado Avenue & Olympic Boulevard) – Line 5 runs between Downtown Santa Monica and Century City via Colorado Avenue and Olympic Boulevard and continues from Century City to the Metro E Line Palms Station. Headways are every 20 to 30 minutes during the weekdays. The stop closest to the Project site is located at Olympic Boulevard & 26th Street. Due to COVID-19, weekday service for this line has been adjusted to every 50-60 minutes.
- Big Blue Bus Line Rapid 10 (Santa Monica Boulevard) – Line 10 runs between Downtown Santa Monica and Downtown Los Angeles via Santa Monica Boulevard and the I-10. Line 10 connects to three Metro Stations including the Bundy Station and others in downtown LA. Headways to Downtown Los Angeles from Downtown Santa Monica are every 30 minutes in the morning during the weekdays. Headways to Downtown Santa Monica from Downtown Los Angeles are every 30 minutes in the late afternoon during the weekdays. The stop closest to the Project site is located at Santa Monica Boulevard & 26th Street. Due to COVID-19, weekday service for this line has been adjusted to every 50-60 minutes.
- Big Blue Bus Line 16 (Stewart Street) – Line 16 runs between Marina del Rey to West Los Angeles generally over . Headways are every 25 to 35 minutes during the weekdays. The stop closest to the Project site is located at Olympic Boulevard & 26th Street. Due to COVID-19, weekday service for this line has been adjusted to every 50-60 minutes.
- Big Blue Bus Line 43 (26th Street) – Line 43 runs from the Downtown Santa Monica to Brentwood via 26t Street. Headways are every 20 to 30 minutes during the weekday in the mornings and every hour in the afternoons. The stop closest to the Project site is located at Olympic Boulevard & 26th Street.
- Metro Line 4 / Rapid 704 (Santa Monica Boulevard) – Line 4/704 runs from Downtown Santa Monica to Downtown Los Angeles via Santa Monica and Sunset Boulevards. Daytime service on line 704 is Rapid (limited stop) service with 15-minute headways throughout the day. Off-peak local service on Santa Monica Boulevard in the study area with headways of 15 to 30 minutes and is provided overnight when Big Blue Bus Line 1 is not operating. The stop closest to the Project site is located at Santa Monica Boulevard & 26th Street. Due to COVID-19, Line 4/704 are currently running on a Sunday schedule.

Figure 2 shows the transit lines and stops near the Project site.



NORTH

Transit Lines

- Big Blue Bus Routes
- Metro E Line (Expo)
- Metro E Line Stations
- Metro Rapid
- Metro Local
- Bus Stop

Existing Bicycle Facilities

- Expo Line Bike Path
- Class 2 Bike Lane
- Class 2b Bike Lane
- Class 3 Bike Lane
- Bike Share Hub
- Bike Shop

Project Site

Figure 2

Existing Transit and Bicycle Facilties

EXISTING BICYCLE AND PEDESTRIAN FACILITIES

Bicycle Network

The City of Santa Monica is one of the most bikeable communities in the Southern California region. The City has a dense and growing network of bicycle facilities including some immediately adjacent to the Project site. The following streets near the Project site have marked bicycle lanes separating bicyclists from vehicles:

- 26th Street between Olympic Boulevard and Broadway
- Stewart Street (north bound only) between Pico Boulevard and Colorado Avenue
- Yale Street between Colorado Avenue and Montana Avenue
- Broadway from Ocean Avenue to past Centinela Avenue
- Nebraska Avenue from Stewart Street to past Centinela Avenue

Following the alignment of the E Line, the Expo Line Bike Path is located 800 feet from the project site and can be accessed on the south side of the intersection at Olympic Boulevard and 26th Street. This facility is a dedicated bike path, entirely separating bicyclists and other non-motorized users from vehicles on the street.

In addition to these facilities, the City designated some streets as Bicycle Routes or Slow Streets allowing for bicyclists to share the same space. Bicycle Routes are marked with "sharrow" markings, and Slow Streets are designed for slow travel and shared, safe usage for all users. Around the project site, Chelsea Avenue between Broadway and Washington Avenue has a Bicycle Route. Slow Streets around the project site include Princeton Street, Harvard Street, and Pennsylvania Avenue.

Figure 2 shows the existing bicycle network and other facilities near the Project site.

Bicycle Parking

Bicycle parking is available throughout the study area, including in many parking structures, on-street racks, and at public and private facilities. For example, bicycle parking locker are provided at the Metro 26th/Bergamot Station. The City also continues to install racks throughout the area. In addition, there is a bicycle retail and repair shop near 26th Street & Broadway, which also provides bicycle parking.

Bike Share

The City also has a citywide Bike Share service (to be privately operated beginning October 2020), which allows residents, visitors, and employees to ride a public bicycle for their travel needs within the City. There are three bike hubs adjacent to the site at Pennsylvania Avenue & 26th Street, Pennsylvania Avenue & Stewart Street, and on Colorado Avenue west of Stewart Street. There is also a hub at the 26th/Bergamot Station. The bikeshare program makes several hundred "smart" bicycles available at more than 80 stations Citywide including Downtown, and in Venice in the City of Los Angeles.

Pedestrian Facilities

Sidewalks are generally present on all streets throughout Santa Monica. Generally, sidewalks throughout Santa Monica between 5 and 15 feet wide depending on the street and block. Olympic Boulevard east of 26th Street lacks sidewalks on the north side of the street. The block of Pennsylvania Avenue adjacent to the project site lacks continuous sidewalks on the north side of the street and on portions of the south side of the street.

Santa Monica also recently updated many traffic signals in the study area to include a "leading pedestrian interval" (LPI), which holds all vehicle movements (red signal) for several seconds at the start of a pedestrian phase to improve safety by giving pedestrians a head start and improve their visibility to motorists.

Signalized intersections throughout the study area have marked or textured crosswalks and pedestrian countdown signals. Signalized pedestrian walk signals are either automatic at the intersection or actuated by pedestrians by push-button. Recently as a result of the COVID-19 pandemic, the City has placed all pedestrian walk signals on automatic pedestrian recall mode. All intersections have accessible curb ramps.

OTHER TRANSPORTATION CHOICES

Shared Mobility Technologies

The growth of privately-operated Transportation Network Companies (TNCs) like Lyft and Uber has also changed the way people move in and around the City. TNC's provide app-based platforms to connect passengers with drivers who use personal, non-commercial vehicles. Lyft and Uber have become the most recognized and ubiquitous forms of shared mobility. Research around the nation in recent years suggests that usage of Lyft and Uber is generating an increase in vehicle traffic.[2] Other research has suggested this result is in part because many users are making trips they would not have made previously, and in some cases replacing transit trips.

In late 2017, the City saw a burgeoning of dockless mobility devices, including electric scooters (e-scooters) on City streets. These dockless mobility devices became increasingly popular in the City, allowing scooters and bicycles to be left in any location. In response to these dockless mobility devices, City has provided "drop zones" on wide sidewalks, where users are encouraged to park when they finish a trip, to reduce sidewalk clutter and prevent obstructions to the sidewalk, which can significantly impact the Americans with Disabilities Act (ADA) provisions for providing clear path of travel. The City also worked with permitted

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[2] Pangilinan, Chris. "Learning more about how our roads are used today". *Medium.com* August 5, 2019 https://medium.com/uber-under-the-hood/learning-more-about-how-our-roads-are-used-today-bde9e352e92c
https://drive.google.com/file/d/1FIUskVkj9lsAnWJQ6kLhAhNoVLjfFdx3/view

operators to designate sensitive high-pedestrian areas as "no-ride" zones, including the Third Street Promenade and Palisades Park.

Based on the City's November 12, 2019 council staff report addressing these mobility devices, four companies (Bird, Lime, Lyft, and Jump) provided riders with a total of 2,673,819 trips from October 2018 to October 2019.[3] The average trip duration was 14 minutes and length was 1.3 miles, and ridership peaked during the spring and summer months but was strong throughout the year. Today, Bird and Lyft are the remaining two companies providing e-scooters and e-bikes in the City. The e-scooters are included in existing count data as bicycles, but no assumption of changes to mobility behavior are included in the analysis given the new and rapidly changing circumstances as well as lack of available data.

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[3] *Review and Comment of the Santa Monica Shared Micro-mobility Pilot Program Evaluation and Next Steps (Council Staff Report)*, November 12, 2019
http://santamonicacityca.iqm2.com/Citizens/Detail_LegiFile.aspx?Frame=&MeetingID=1196&MediaPosition=&ID=3615&CssClass=

3. VEHICLE MILES TRAVELED ANALYSIS

Section 15064.3 of the CEQA Guidelines was added by the Office of Planning and Research (OPR) on December 28, 2018, and states that vehicles miles traveled (VMT) is the appropriate measure of transportation impacts for projects subject to CEQA. Section 15064.3(c) also states that the provisions of the section shall apply prospectively (i.e., only applicable to new projects after date of adoption) and must be implemented statewide by July 1, 2020. On June 9, 2020, the City adopted a new process for analyzing the transportation impacts of land use and transportation projects. For land use projects in Santa Monica, the analysis consists of a two-step process which includes VMT screening and, if necessary, VMT analysis. The adopted screening criteria, analytical methods and significance thresholds, which are outlined as follows, are applied to the proposed project. The new guidelines can be found in **Appendix A**.

BACKGROUND ON VMT

VMT measures the cumulative distance of automobile travel, taking into account the origin and destination of a particular trip. Typically, development located at a greater distance from other land uses and in areas without transit generates more VMT than development near other land uses with more robust transportation options. As noted by OPR, mitigation to reduce VMT can include designing projects with a mix of uses, building transportation demand management (TDM) features into the project, locating the project in neighborhoods that have transit or active mode transportation opportunities, or contributing to the creation of such opportunities.[4] Since VMT is sensitive to regional location, it can also be mitigated by choosing a more central location for the project. Used as a transportation metric under CEQA, VMT could encourage reduction of motor vehicle travel, increase transit and active mode transportation, and increase infill development.

For many years, VMT information has been used to help measure other CEQA impacts, including air quality and greenhouse gas emissions at a project level and, has been used in the analysis of the City's Land Use and Circulation Element and other long-range plans, to identify long-range transportation impacts.

PROJECT VMT ANALYSIS

Tiered Screening System for VMT Analysis

As a first step in the transportation review of projects, the City has adopted screening criteria that can be used to "screen" out projects from VMT analysis. Projects meeting the VMT screening criteria are deemed

[4] *Preliminary Evaluation of Transportation Metrics,* December 20, 2013
https://opr.ca.gov/docs/PreliminaryEvaluationTransportationMetrics.pdf

to have a less than significant impact and no further VMT analysis is necessary. The tiered screening criteria for land use projects and review of the Project against these criteria are described below.

Tier 1: Does the project include the development of the following land uses, which are screened out from further analysis?

Table 1: Land Uses Screened from VMT Analysis

- 200 residential dwelling units or less
- 100% affordable housing
- 50,000 sf or less of commercial floor area by land use type[1]
- New construction of educational facilities/institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, 75% of the student body comes from within 2.0 miles of the school
- Expansions of civic/government use (such as fire and police stations) and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community, or if larger than 50,000 sf, the project would not result in more than 50 net new additional full time equivalent employees
- Local serving Parks and Recreational facilities, as determined by City Staff

[1] Commercial uses covered under this screening criteria include retail, restaurant, movie theater, gym/fitness, grocery store/market, hotel, medical office, office, and hospital uses less than 50,000 sf. Excludes museums, amusement parks, and other large regional trip attractors as may be determined by City Staff.

If yes, no further analysis is required. If no, move to Tier 2.

For a mixed-use project, the individual components of the project should be evaluated to determine if each can be screened out. For example, a mixed-use project with 150 units and 75,000 sf of office area cannot be screened out at the Tier 1 level and would be required to move to Tier 2.

Project Review Against Tier 1 Screening Criteria

The proposed Project was reviewed against the City's VMT screening criteria system to determine if a VMT analysis would be required. The proposed Project consists of approximately 169,309 sf of office/creative office and 5,376 sf of restaurant space. The proposed retail space is less than 50,000 sf and is therefore screened out (see Table 1 above). The commercial office floor area exceeds the City's Tier 1 screening criteria of 50,000 sf (see Table 1 above), and therefore, the Project was reviewed against the City's Tier 2 screening criteria (proximity to transit).

Tier 2: Is the project located within 0.5 mile walking distance of an Expo LRT station or 0.25 walking distance of Rapid BRT stop?[5]

If no, conduct VMT analysis. If yes, move to Tier 3.

Project Review Against Tier 2 Screening Criteria

The proposed Project is located 0.2 miles from the 26th Street/Bergamot Station on the Metro E LRT Line. This is less than the threshold of being within a 0.5 mile walking distance to an E Line station. The Tier 2 screening criteria is met and so the project should be reviewed against the City's Tier 3 screening criteria (related to parking).

Tier 3: Would the project provide more parking than required by Code (or if located in the Downtown, exceed parking maximums)?

If no, no further analysis is required. If yes, conduct VMT analysis.

Additionally, for a land use project, a less than significant impact would also result if:

- A project decreases [total] vehicle miles traveled in the project area compared to existing conditions or
- A redevelopment project replaces existing VMT generating land uses with new uses that result in a net overall decrease in VMT.

Projects that are screened out based on the criteria above are presumed to have a less than significant impact on transportation and as such, no VMT analysis is required.

Project Review Against Tier 3 Screening Criteria

The proposed Project consists of the refurbishment of one existing office building (Building C) as well as the development of two new office buildings. A total of 399 parking spaces will serve all three office buildings and will be located in a three-level subterranean garage. The Bergamot Area Plan requires 2.0 parking spaces per 1,000 sf of commercial space. When this standard is applied to the entire Project (including existing Building C, for which parking is currently provided in the existing surface parking lot), the Project would be required to provide 349 parking spaces. The Project's 399 parking spaces would exceed the total Code-required parking. Because the total parking supply will exceed the current Code-required parking for the three buildings, the Project will exceed the Tier 3 screening criteria (i.e., provide

[5] *Walking distance is defined as the actual physical distance that a person would need to walk based on the street network. BRT (bus rapid transit) stops includes stops for Big Blue Bus Rapid routes and Metro Rapid Bus routes.*

more parking than required by Code) and cannot be screened out from VMT analysis. Therefore, a VMT calculation and analysis is required.

VMT Analysis

Methodology for VMT Calculation

The City of Santa Monica has developed a VMT Calculator tool to assess the VMT impacts of proposed development projects within the City. The VMT Calculator takes into account a project site's proximity to high quality transit as well as the land use conditions around the project site including the diversity and density of nearby uses. The VMT Calculator also assesses the effectiveness of selected TDM measures proposed for a project based on available research.

The VMT Calculator is specific to the City and utilizes land use and transportation data from the Santa Monica Travel Demand Forecast Model (TDFM), which is calibrated to local vehicle count data collected in and around the City. The Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA states that travel demand models, sketch models, spreadsheet models, research, and data can all be used to calculate and estimate VMT). The guidance states:

"To the extent possible, lead agencies should choose models that have sensitivity to features of the project that affect VMT. Those tools and resources can also assist in establishing thresholds of significance and estimating VMT reduction attributable to mitigation measures and project alternatives. When using models and tools for those various purposes, agencies should use comparable data and methods, in order to set up an "apples-to-apples" comparison between thresholds, VMT estimates, and VMT mitigation estimate." (Appendix 1 – page 30)

The VMT Calculator utilizes the TDFM's trip generation rates, which vary depending upon area of the City and proximity to transit. The VMT Calculator also takes into account the TDFM's trip length distribution which is also calibrated based on the cell phone travel data for the City and the City's Household Travel Survey. Detailed Census demographic data as well as Department of Finance employment data for the City is used to estimate the existing VMT rates per capita or per employee.

The VMT Calculator estimates VMT for a wide variety of potential land uses, including the office and retail/restaurant uses proposed as part of the Project. Analysis was conducted for the Project using the City's VMT analysis procedures and VMT Calculator.

As noted in the Project Description, the Project would include the refurbishment of an existing three-story, 45,429 sf office building and the adjacent development of two new four-story, creative and business professional office buildings comprising a total of 129,256 sf of new floor area. If not developed for office space, up to 5,376 sf of ground floor space could alternatively be utilized for active retail/restaurant use. These Project land use characteristics are inputted in the VMT Calculator. Further, the Project's TDM measures as required by the City's Transportation Demand Management (TDM) Ordinance (Santa Monica

Municipal Code Section 9.53) are inputted into the VMT Calculator to take into account VMT reductions that would occur as a result of these measures. These measures include:

- On-site transportation information in an on-site physical location, such as a bulletin board or kiosk, or through other media, such as on a website or other digital means
- A designated Project Transportation Coordinator
- New employee orientation
- Parking cash out
- Incentives for employees that live within one-half mile of workplace
- Information regarding availability of bike commute training offered either on-site or by a third party
- On-site shared bicycles intended for employee use during the workday, if citywide bikeshare is unavailable within two-block radius of Project site in the future
- Commuter matching services for all employees on an annual basis, and for all new employees upon hiring
- Information regarding the benefits of compressed work schedule, flex-time schedule, telecommuting, and guaranteed ride home
- Transit pass subsidy
- Bike valet, free of charge, during all automobile valet operating hours

The Transit Cooperative Research Program (TCRP) Chapter 19 reports that TDM programs are most effective when people have alternatives to auto travel, such as public transit. There may be some variability between land uses on the Project site, but the success of the TDM program will depend on how well it supports those who want to make trips by a means other than driving alone. The proposed Project's TDM strategies will be most effective at reducing peak hour trips when worker shifts begin or end during peak hours. Converting these auto trips into transit, bicycle, or pedestrian trips would directly reduce vehicle trips. In this way, the TDM program can reduce trips for all employees on the Project site.

Detailed documentation on the development and methodology for the VMT calculator can be found in **Appendix B**.

City VMT Significance Thresholds

For projects that are not screened out, a VMT analysis that estimates a project's per capita VMT and total VMT is required. The VMT estimates of the proposed Project must be compared against the City's adopted VMT significance thresholds. The City has adopted two sets of VMT significance thresholds, both of which are applied to land use projects:

- Threshold 1: VMT per capita: A project's VMT per capita must not exceed the existing Citywide average VMT per capita for that particular land use.

City of Santa Monica VMT Threshold: Significance Criteria 1 (VMT per Capita)

Land Use	**Threshold**
Residential	No greater than existing Citywide average VMT/capita
Commercial Employee	No greater than existing Citywide average VMT/employee
Retail	Any net increase in total City VMT

- Threshold 2: Total VMT: The Project's combined total VMT for residents and commercial employees must be at least 16.8% below existing Citywide "business as usual" VMT per capita. Business as Usual VMT is defined as what the calculated VMT for the Project would be if the Project were generating VMT per capita at the existing citywide average.

City of Santa Monica VMT: Significance Criteria 2 (Total VMT)

	Project VMT	Existing City Average VMT/capita	Project Population	Business as Usual (BAU) VMT	Threshold
Residential	A	9.0	D	= (9.0 x D)	
Commercial Employee	B	19.2	E	= (19.2 x E)	
	Total Resident + Employee VMT (A+B)			**Total BAU VMT**	**Is Total Resident + Employee VMT at least 16.8% lower than Total BAU VMT?**

Example Calculation:

	Project VMT	Existing City Average VMT/capita	Project Population	Business as Usual (BAU) VMT	Threshold
Residential	2,000	9.0	300	= (9 x 300) = **2,700**	
Commercial Employee	6,500	19.2	400	= (19.2 x 400) = **7,680**	
	Total Resident + Employee VMT = 8,500			**Total BAU VMT = 10,380**	Is Total Res/Emp VMT at least 16.8% lower than Total BAU VMT? **Yes = 8,500 is 19% lower than 10,380**

Projects exceeding either or both of these thresholds are considered to have a significant transportation impact on the environment. These City-specific thresholds reflect a local consideration to the City's existing transportation conditions as well as State and local land use and sustainability goals. This strategic approach would also ensure that new development will not hinder the City's progress towards reducing GHG emissions, improving mobility options, and implementation of the LUCE.

Project Comparison to Significance Threshold 1

Based on the most recent data available from the City's TDFM, the existing citywide work VMT per employee is 19.2. Therefore, this is the current threshold applied to the Project. **Figure 3** presents the City's VMT Calculator dashboard as analyzed for the Project. The Project's total square footage by land use (including the existing office to remain) and TDM measures are input into the Calculator to produce a total of 2,096 daily vehicle trips and a total daily VMT of 17,780, including office employees, restaurant employees, and restaurant patrons. As indicated in **Figure 3**, the daily work VMT per employee is estimated at 13.6, less than the threshold of 19.2 for existing citywide work VMT per employee. Thus, the daily Project's VMT per employee does not exceed the City's VMT Significance Threshold 1.

Project Comparison to Significance Threshold 2

The proposed Project would have an estimated 713 employees, including 677 office employees (4 employees per thousand sf) and 36 restaurant employees (10 employees per 1,500 sf). In terms of the City's VMT Significance Threshold 2, the total employee VMT calculated for the Project's (not including restaurant patrons) would be 9,697 miles, which is 29.2% lower than the "business as usual" employee VMT. Therefore, the proposed Project's total employee VMT would not exceed the City's VMT Significance Threshold 2. **Table 1** shows this analysis.

Since the Project's VMT calculations would not exceed VMT Significance Threshold 1 and Significance Threshold 2, the proposed Project would have a less-than-significant impact on transportation.

Santa Monica VMT Tool - Report

Project Name	Project Parcel(s)
1633 26th Street Project	4268001025

Project Screening

	Yes/No
1. Would the project construct new educational facilities/ institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, 75% of the student body come from within 2.0 miles of the school?	No
2. Would the project involve the expansions of civic/government use (such as fire and police stations) and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community?	No
3. Would the project involve local serving Parks and Recreational facilities, as determined by City Staff?	No
4. Project residential land use is 100% affordable housing?	No
5. Project land uses are below the screening threshold	No
6. Is the project located within 0.5 mile walking distance of Expo LRT station?	Yes
Is the project located within 0.25 walking distance of Rapid BRT stop?	No
7. Would the project provide more parking than required by Code (or if located in the Downtown, exceed parking maximums)?	Yes

The proposed project is required to perform VMT analysis.

Project Land Use

Existing Uses on Project Site

Residential	Value	Unit
Single-Family	0	du
Multi-Family Zero Cars	0	du
Multi-Family One Car	0	du
Multi-Family Two or More Cars	0	du
Hotel	**Value**	**Unit**
Hotel	0	rooms
(exclude any attached land use entered below)	0	ksf
Non-Residential	**Value**	**Unit**
Office	45.429	ksf
Creative Office	0	ksf
Medical Office	0	ksf
Convalescent Care	0	du
Hospital	0	ksf
Restaurant	0	ksf
Retail	0	ksf
Supermarket	0	ksf
Light Industrial	0	ksf

Existing Daily Residential Trips	0	Trips
Existing Daily Non-Residential Trips	454	Trips
Existing Daily Trips	454	Trips

Proposed Project

Residential	Value	Unit
~~Single-Family~~	~~0~~	~~du~~
Multi-Family Zero Cars	0	du
Multi-Family One Car	0	du
Multi-Family Two or More Cars	0	du
Hotel	**Value**	**Unit**
Hotel	0	rooms
(exclude any attached land use entered below)	0	ksf
Non-Residential	**Value**	**Unit**
Office	169.309	ksf
Creative Office	0	ksf
Medical Office	0	ksf
Convalescent Care	0	du
Hospital	0	ksf
Restaurant	5.376	ksf
Retail	0	ksf
Supermarket	0	ksf
Light Industrial	0	ksf

Proposed Project Daily Residential Trips	0	Trips
Proposed Project Daily Non-Residential Trips	2,123	Trips
Proposed Project Daily Trips	2,123	Trips

Proposed Project Summary VMT Results

Daily VMT				Household VMT			Work VMT			Resident + Employee VMT			
Total Project Trips	Total Project VMT	Project VMT per service pop	City VMT per service pop	VMT per capita	VMT Impact Threshold	Significant VMT Impact?	VMT per employee	VMT Impact Threshold	Significant VMT Impact?	Project VMT	Business as Usual VMT	Difference	Significant VMT Impact?
2,096	17,780	25	27	0.0	9.0	No	13.6	19.2	No	9,697	13,690	-29.2%	No

Figure 3

1633 26th Street Project - VMT Calculator

TABLE 1 SIGNIFICANCE THRESHOLD 2 VMT ANALYSIS					
Land Use	**Existing City Average VMT/capita**	**Project Population**	**Business as Usual (BAU) VMT**	**Threshold (16.8% below BAU VMT)**	**Project VMT**
Commercial Employee	19.2	713	13,690	11,390	9,697
Residential	9.0	0	0	0	0
		Total	**13,690**	**11,390**	**9,697** **-29.2%**

4. PROJECT ALTERNATIVES

In addition to the No Project Alternative, four alternatives to the project were evaluated to determine their potential impacts on VMT as compared to the proposed Project. Trip generation for each of the alternatives was estimated and compared with that of the proposed Project. The alternatives to the proposed Project are described below:

1. **No Project.** Under the "No Project" alternative, the proposed development of the new office buildings would not occur. The existing office building and surface parking lot would remain and operations would remain the same.
2. **Tier 1 Alternative.** Alternative 2 assumes reduced project alternative with a reduction in floor area and height. Under the City's Bergamot Area Plan, the Tier 1 standards allow a maximum building height of 32 feet and 1.75 FAR for a parcel less than 100,000 sf. Based on the total project site size of approximately 87,651 sf, the maximum Tier 1 FAR is approximately 133,993 sf. With consideration to the adaptive reuse of the existing 45,429 sf office building as well as open space requirements, Alternative 2 would result in two new office buildings providing a net new of 88,564 sf. Up to 5,376 sf of the new ground floor space could alternatively be utilized for active retail/restaurant use.
3. **Tier 3 Increased Height and Density Alternative.** This alternative assumes development of the project at a Tier 3 height and density, which would be greater than the project. Under the City's Bergamot Area Plan, the Tier 3 standards allow a maximum building height of 80 feet and 2.75 FAR for a parcel less than 100,000 sf. Based on the total project site size of approximately 87,651 sf, the maximum Tier 3 FAR is approximately 241,040 sf. With consideration to the adaptive reuse of the existing 45,429 sf office building as well as building modulation and open space requirements, Alternative 3 would result in two new office buildings providing a net new of 175,557 sf. Up to 5,376 sf of the new ground floor space could alternatively be utilized for active retail/restaurant use.
4. **Mixed Used Office and Residential Alternative.** This alternative assumes development of a mixed use office and residential project at a Tier 2 height and density, equivalent to the project. Alternative 4 would retain the existing 45,429 sf office building and construct a new 4-story residential building with 5,376 sf of ground floor active retail/restaurant use to the east of the office building. The new 4-story residential building would include 107 new residential units consisting of 96 market-rate (13 studio, 42 one-bedroom, 25 two-bedroom, and 16 three-bedroom units) and 11 affordable units (all two-bedroom units).

VMT IMPACTS OF PROJECT ALTERNATIVES

Each of the alternatives were reviewed against the City's VMT screening criteria to determine if a VMT analysis would be required. Alternatives meeting screened out were presumed to have less than significant impact and no further VMT analysis was required. For alternatives that were not screened out, a VMT analysis was conducted and compared to the City's two sets of VMT significance thresholds.

Alternative 1

By definition, no VMT impacts would occur under this alternative, as no new development and associated vehicle trips would occur on the Project site.

Alternative 2

Alternative 2 was reviewed against the City's VMT screening criteria system to determine if a VMT analysis would be required. Alternative 2 consists of approximately 133,993 sf of new office/creative office, of which 5,376 sf could be used for retail/restaurant space. The proposed retail space is less than 50,000 sf and is therefore screened out. The commercial office floor area exceeds the City's Tier 1 screening criteria of 50,000 sf. Further analysis is required and the alternative was reviewed against the City's Tier 2 screening criteria (proximity to transit).

The proposed alternative is located 0.2 miles from the 26th Street/Bergamot Station on the Metro E LRT Line. This is less than the threshold of being within a 0.5 mile walking distance to an E Line station. The Tier 2 screening criteria is met and so this alternative was reviewed against the City's Tier 3 screening criteria (related to parking).

The proposed alternative consists of the refurbishment of one existing office building (Building C) as well as the development of two new office buildings. A total of 267 parking spaces serving all three office buildings will be located in a three-level subterranean garage. The Bergamot Area Plan requires 2.0 parking spaces per 1,000 sf of commercial space. When this standard is applied to the entire Project alternative (including existing office building, for which parking is currently provided in the existing surface parking lot), this alternative would be required to provide 267 parking spaces. Alternative 2's 267 parking spaces would meet the total code required parking. Therefore, a VMT analysis is not required for this alternative and it would be considered to have a less than significant VMT impact.

Alternative 3

Alternative 3 was reviewed against the City's VMT screening criteria system to determine if a VMT analysis would be required. Alternative 3 consists of approximately 175,557 sf of new office/creative office, of which 5,376 sf could be used for retail/restaurant space. The proposed retail space is less than 50,000 sf and is therefore screened out. The commercial office floor area exceeds the City's Tier 1 screening criteria of 50,000 sf. Further analysis is required and the alternative was reviewed against the City's Tier 2 screening criteria (proximity to transit).

The proposed alternative is located 0.2 miles from the 26th Street/Bergamot Station on the Metro E LRT Line. This is less than the threshold of being within a 0.5 mile walking distance to an E Line station. The Tier 2 screening criteria is met and so this alternative was reviewed against the City's Tier 3 screening criteria (related to parking).

The proposed alternative consists of the refurbishment of one existing office building (Building C) as well as the development of two new office buildings. A total of 401 parking spaces serving all three office buildings will be located in a three-level subterranean garage. The Bergamot Area Plan requires 2.0 parking spaces per 1,000 sf of commercial space. When this standard is applied to the entire Project alternative (including existing office building, for which parking is currently provided in the existing surface parking lot), this alternative would be required to provide 441 parking spaces. Alternative 3's 401 parking spaces would not provide more parking than required by Code. Therefore, a VMT analysis is not required for this alternative and it would be considered to have a less than significant VMT impact.

Alternative 4

Alternative 4 was reviewed against the City's VMT screening criteria system to determine if a VMT analysis would be required. Alternative 4 consists of a 4-story residential building would include 107 new residential units. The number of residential units does not exceed the City's Tier 1 screening criteria of 200 residential dwelling units or less. This alternative is screened out from further analysis. A VMT analysis is not required and it would be considered to have a less than significant VMT impact.

REFERENCES

Preliminary Evaluation of Alternative Methods of Transportation Analysis, California Governor's Offices of Planning and Research, December 30, 2013.

Santa Monica Bergamot Area Plan, City of Santa Monica, adopted September 11, 2013.

Santa Monica Land Use & Circulation Element, City of Santa Monica, revised July 25, 2017.

Santa Monica New CEQA Transportation Guidelines & Thresholds, City of Santa Monica, adopted June 9, 2020.

Review and Comment of the Santa Monica Shared Micro-mobility Pilot Program Evaluation and Next Steps (Council Staff Report), City of Santa Monica, November 12, 2019.

TCRP 95 Chapter 19 Employer and Institutional TDM Strategies, Transportation Research Board, 2010.

Technical Advisory on Evaluating Transportation Impacts in CEQA, California Governor's Offices of Planning and Research, December 2018.

APPENDIX A:

SANTA MONICA NEW CEQA TRANSPORTATION GUIDELINES & THRESHOLDS

City Council Report

City of Santa Monica

City Council Meeting: June 9, 2020
Agenda Item: 11.A

To: Mayor and City Council

From: David Martin, Director, City Planning

Subject: Adoption of Resolution of New CEQA Transportation Guidelines & Thresholds

Recommended Action

Staff recommends that the City Council adopt the attached resolution to implement new transportation significance thresholds for projects subject to the California Environmental Quality Act (CEQA).

Executive Summary

Senate Bill 743 (SB743) streamlined the California Environmental Quality Act (CEQA) review process for infill projects and required that cities adopt Vehicle Miles Travelled (VMT) as the basis for CEQA transportation analysis. As indicated in SB743, the adoption of VMT would promote: (1) reduction of greenhouse gas emissions; (2) development of multimodal transportation networks; and (3) a diversity of land uses. State law requires cities and counties to implement and adopt new VMT thresholds by July 1, 2020. In compliance with SB 743, City staff is recommending that the City Council adopt new VMT screening criteria and thresholds for the transportation review of projects subject to CEQA.

Background

California Environmental Quality Act

The California Environmental Quality Act (CEQA) was passed by the state in 1970 as a disclosure statute – requiring certain procedural steps be undertaken to inform the public and decisionmakers about the potential environmental effects of a project. CEQA applies to discretionary projects (i.e., projects that require the judgment and approval of an approving body) such as those requiring a development review permit or a development agreement. Under CEQA, projects may be determined to be exempt from analysis, or subject to further analysis through either a Negative Declaration/Mitigated Negative Declaration (ND/MND), or an Environmental Impact Report (EIR). While the processes for a ND/MND and an EIR differ considerably, both documents require that projects be analyzed for 21 environmental issue areas including aesthetics, utilities, and transportation.

State Law Changes (SB 743 and Revised CEQA Guidelines)
On September 27, 2013, Governor Brown signed Senate Bill (SB 743), which became effective on January 1, 2014. SB 743 streamlined the CEQA review process for infill projects in transit priority areas and sought to balance the needs of congestion management with Statewide goals related to infill development, promotion of public health through active transportation, and reduction of greenhouse gas emissions. To achieve these goals, SB 743 required the Office of Planning and Research (OPR) to amend the CEQA Guidelines (Title 14 of the California Code of Regulations, Division 6, Chapter 3, Sections 15000-15387) to provide an alternative metric to Level of Service (LOS) for evaluating transportation impacts. SB 743 stated that the measurements of transportation impacts may include “vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated.” SB743 states that once the CEQA Guidelines are amended to include those alternative criteria, auto delay (as measured by LOS) can no longer be considered a significant impact under CEQA. As required by state law, the City must switch to VMT for the transportation review of projects by July 1, 2020.

On January 18, 2017, the Planning Commission participated in a study session to consider and discuss the SB743 requirements for CEQA transportation impact analysis. Overall, the Planning Commission favored moving forward with using VMT as the metric for the transportation analysis of individual projects or an alternative metric that can address mobility. Some members of the Commission did express interest in using LOS periodically as part of the City’s monitoring of the overall transportation network system.

In December 2018, pursuant to the mandate in SB 743 and after four years of stakeholder workshops, OPR adopted revised CEQA Guidelines, with Section 15064.3

stating that "generally, vehicle miles traveled is the most appropriate measure of transportation impacts." Additionally, OPR adopted *Technical Advisory on Evaluating Transportation Impacts in CEQA (*Attachment A*)*, to provide guidance to lead agencies on how to conduct VMT analysis for projects. In this Technical Advisory, OPR recommends screening criteria and significance thresholds[1] for use in analyzing the VMT impacts of projects. While OPR's *Technical Advisory* is not binding on public agencies, CEQA allows lead agencies to "consider thresholds of significance… recommended by other public agencies, provided the decision to adopt those thresholds is supported by substantial evidence" (CEQA Guidelines, § 15064.7, subd. (c)). OPR granted agencies a phase-in period to replace LOS with VMT. California cities and other lead agencies have until July 1, 2020 to develop and adopt new analytical procedures and threshold criteria to implement VMT as the primary transportation impact metric under CEQA.

On January 22, 2020, the Planning Commission participated in a study session to review potential changes to the City's methodology for the transportation review of projects and discuss potential VMT screening and significance thresholds for projects. The Commission provided input that the application of City-specific thresholds would be more appropriate.

On May 13, 2020, City staff presented draft VMT screening criteria and significance thresholds as well as proposed revisions to the City's Transportation Impact Fee (TIF) to the Planning Commission. The Planning Commission unanimously recommended adoption of the draft screening criteria and thresholds to the City Council, but voted 3-3 resulting in a technical denial of staff's recommendation with regard to proposed changes to the TIF due to concerns about the financial feasibility of projects in light of the economic crisis brought on by COVID19. Staff will be returning to City Council in the next month with a proposed modest increase to the multi-modal TIF to complement the

[1] *The CEQA Guidelines define a "threshold of significance" to mean "an identifiable quantitative, qualitative or performance level of a particular environmental effect, non-compliance with which means the effect will normally be determined to be significant and compliance with which means the effect normally will be determined to be less than significant."*

current round of CEQA streamlining while continuing to address the potential trip generation of future development projects in light of new budget constraints.

Discussion

City of Santa Monica Current Transportation Impact Thresholds

For decades, the transportation review of a project subject to CEQA was conducted using a methodology that estimated the number of vehicle trips generated and how those trips contributed to the congestion (as measured by LOS) of intersections surrounding the project site. To analyze a project's impacts on the transportation network, a traffic consultant first estimates the trips that would be generated by the project and then these project-generated trips are added to the street network. A determination is made as to whether these trips would add to congestion and result in a significant transportation impact.

The City's significance criteria for assessing whether a project would result in significant transportation impacts were adopted in 1991. The significance criteria utilize intersection LOS as the measure for assessing impacts. LOS measures vehicle delay at intersections and on roadways. As described previously, LOS A through F are used in rating intersection operations, with LOS A indicating free-flow operations and LOS F indicating congested operations. The City's significance criteria are based on a sliding scale, meaning that the intersections with the greatest traffic congestion will have a lower threshold for a significant impact (refer to Table below).

Base Operating Conditions	With Project Traffic Impact Assessment
If LOS = A, B, or C	***Significant Impact If:***
Collector street intersection	Average vehicle delay increase is ≥ 15 seconds or LOS becomes D, E, or F
Arterial intersection	Average vehicle delay increase is ≥ 15 seconds or LOS becomes E or F

Base Operating Conditions	With Project Traffic Impact Assessment
If LOS = D	***Significant Impact If:***
Collector street intersection	Any net increase in average seconds of delay per vehicle
Arterial intersection	Average vehicle delay increase is ≥ 15 seconds or LOS becomes E or F
If LOS = E	***Significant Impact If:***
Collector street intersection	Any net increase in average seconds of delay per vehicle
Arterial intersection	
If LOS = F	***Significant Impact If:***
Collector street intersection	V/C ratio net increase is ≥ 0.005[a]
Arterial intersection	
[a] *volume to capacity ratio of the intersection is greater than or equal to 0.005*	

For example, at a LOS E intersection, the addition of even one second of delay from a project's vehicle trips would be deemed a significant impact. With these strict LOS thresholds that focus only on automobile delay, almost any project that generates vehicle trips near a busy intersection could be deemed to have a significant impact on the environment.

Although LOS grading levels A through F have become familiar and somewhat easy to understand, the use of LOS is outdated, fails to consider other multi-modal options, and is inconsistent with State and local planning goals. Among the issues with vehicle LOS are the following:

- LOS measures motorist convenience – LOS measures automobile delay to the driver and not physical impacts to the environment, which is the purpose of CEQA.

- LOS is incongruous with other environmental impact analyses under CEQA – The use of VMT is more aligned with other CEQA impact analyses such as air quality and greenhouse gas (GHG) emissions. As a trip-based metric, LOS fails as a proxy for air quality and GHG emissions impacts. In contrast, VMT is a necessary component and direct factor in calculating a project's air pollutant and GHG emissions: the greater the distance traveled by automobiles accessing a project, the greater the project's contributions of air pollutant and greenhouse gas emissions.

- LOS is biased against development in urban areas – Typical transportation analyses under CEQA compare future automotive volumes against LOS thresholds. A project that increases LOS past the threshold triggers a significant impact. Urban, mixed-use areas inherently have existing automotive volumes at intersections, resulting in lower LOS grades. As the LOS rating used to determine significance of the project's impact is determined by total automotive traffic (i.e., existing automotive traffic plus automotive traffic added by the project), infill projects disproportionally trigger LOS thresholds compared to projects in suburban/rural areas, even though they may reduce the need for automotive trips, reduce trip lengths, and reduce more emissions than projects in greenfield areas. For example, an 80-unit mixed-use residential project in a suburban area may not trigger a LOS impact. However, the same project in Santa Monica would be deemed to have a significant traffic impact due to higher future automotive volumes.

- LOS conflicts with the City's sustainable growth, land use, and mobility goals and policies – In 2010, the City adopted the LUCE, which provides a framework for integrating the City's land uses with transportation. The LUCE aims to protect residential neighborhoods by focusing new development projects in the area surrounding the Expo LRT stations and denser areas of the City with proximity to high frequency transit (such as the Downtown) to encourage the diversity of mobility options utilized, the reduction in the frequency and duration of automotive trips, and a reduction in the associated GHG emissions. In a direct contradiction to the LUCE, LOS favors projects that are located within residential neighborhoods since intersections and street segments in these areas tend to have greater capacity and less existing automotive traffic.

- LOS mitigation is often infeasible, generally induces more automotive travel, and can create negative effects for non-vehicular modes – In a fully built out city like Santa Monica, mitigation to increase automotive capacity is usually infeasible since such measures would typically require the acquisition of private property to widen the public right-of-way or reduction in sidewalks or bike lanes to widen vehicle travel lanes. Furthermore, adding motor vehicle capacity may induce additional automotive travel, which negatively impacts the environment and human health. It also negatively impacts other modes of transportation by lengthening pedestrian crossing distances, adding delay and risk to pedestrian and bicycle travel, and displacing bicycle and dedicated transit facilities.

- LOS is typically the only significant "environmental impact," resulting in a lengthy and costly CEQA review and entitlement process – Under the City's current LOS-based thresholds, any project subject to CEQA that has the potential to result in a significant impact (e.g., addition of one trip on a street segment) is required to prepare an EIR. This has occurred for a number of small mixed-use housing projects as well as bicycle/pedestrian improvement projects that improve mobility but have adjusted vehicle lane capacity. The preparation of an EIR can be both lengthy and costly, often creating processing delays for projects and hindering much needed housing production. For the majority of EIRs prepared in the past, traffic (LOS) is typically the only unavoidable impact that cannot be mitigated.

- LOS mischaracterizes transit, bicycle and pedestrian improvements as detrimental to transportation – Since LOS only measures the delay of motor vehicles, any improvement for people in other modes that might inconvenience people in automobiles is characterized as an impediment to transportation even though the utilization of space-efficient modes increases person throughput capacity. For example, bicycle projects that convert a vehicle travel lane into a bicycle lane would decrease the capacity of the nearby intersection and would be deemed to have an adverse transportation impact.

As SB 743 points out, the use of LOS often conflicts with State and local mobility, land use, and sustainability goals, including those intended to reduce GHG emissions. LOS focuses only on automotive capacity and often creates a barrier for projects that implement beneficial improvements for other modes. LOS-based analysis also does not offer meaningful analysis for holistic consideration of the transportation network. Since LOS is based on the traffic volumes at particular intersections, past traffic studies have typically identified the same recurring impacted intersections, freeway on- and off-ramps, and street segments. Additionally, because the City is built out, mitigation measures to improve LOS by expanding vehicle capacity are extremely limited or infeasible.

Proposed Changes to Transportation Review in Santa Monica

To align the City's transportation review process with SB 743 and state and local policies, staff is proposing the following:

- Align the transportation review process with SB 743 and the City's General Plan goals and policies by revising the City's CEQA transportation impact guidelines and significance thresholds to reflect the use of VMT.
- Update the City's Transportation Impact Fee (TIF) to invest in programs and multi-modal projects that facilitate the reduction of Citywide VMT per capita.

Aligning the Transportation Review Process: From LOS to VMT

To comply with State law, the City proposes to adopt VMT as the metric for analyzing the transportation impacts of projects that are subject to CEQA. VMT measures the cumulative distance of automobile travel, taking into account the origin and destination of a particular trip. Typically, development located at a greater distance from other land uses and in areas without transit generates more VMT than development near other land uses with more robust transportation options. Currently, VMT information is used to help measure other CEQA impacts, including air quality and greenhouse gas emissions at a project level and, in General Plan or program-level analysis, to identify long-range transportation impacts.

With the change from LOS to VMT, transportation review of projects in the City will be simplified. Analysis of VMT would be conducted only for larger projects that are located further from transit, and that have the potential to generate high VMT. Multi-modal transportation projects and beneficial housing projects near transit would no longer have to be subject to time-consuming traffic analysis, which often does not yield any effective mitigation measures. Additionally, in contrast to traditional LOS analysis which can analyze upwards of 100 intersections in a project area, VMT analysis will require assessment of the project's VMT impact per land use (rather than per intersection).

Using VMT as the transportation metric will also allow the City to implement measures and programs that increase mobility options for individuals of all ages, abilities, and incomes, not just those with access to automobiles. Unlike LOS, VMT mitigation would not induce more vehicle travel but rather, would encourage the reduction of vehicle travel through other means. VMT mitigation implemented by a project applicant could include greater Transportation Demand Management (TDM), enhanced pedestrian and bicycle facilities, increased access to transit or transit improvements, parking cashout, car sharing and bike sharing programs, and other multi-modal measures.

VMT analysis would be more aligned with the City's goals of promoting projects that will contribute to an overall reduction in VMT and GHG emissions. Additionally, VMT analysis would be supportive of other City plans to improve the wellbeing of the City, including achieving Vision Zero, the elimination of fatal and severe injury crashes by 2026.

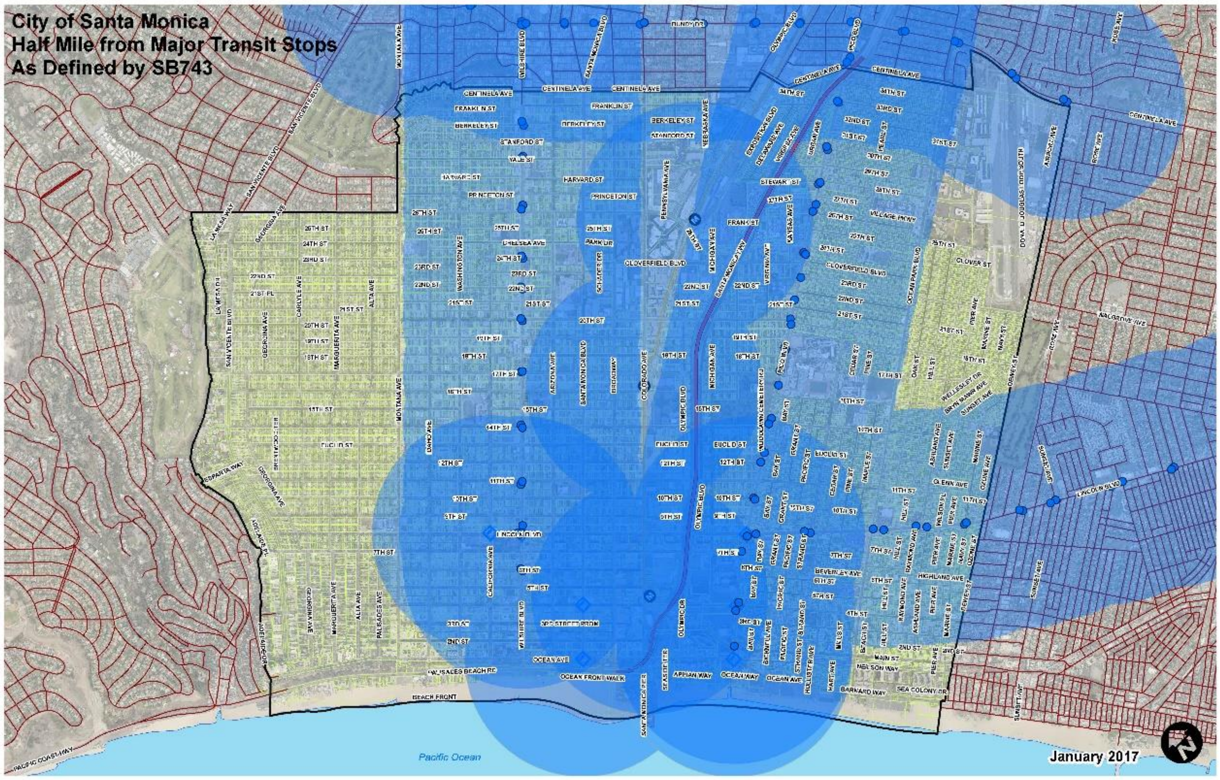
<u>Proposed VMT Screening Criteria</u>

As a first step in the transportation review of projects, OPR's *Technical Advisory* provides suggested screening criteria that can be used to "screen" out projects from VMT analysis. For land use projects, the *Technical Advisory* and proposed CEQA Guideline Section 15064.3 (b)(1) state that "[g]enerally, projects within one-half mile of an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact."[2] The presumption of a less than significant impact would not apply, however, if the project:

- Has a Floor Area Ratio (FAR) of less than 0.75
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking)
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)

According to CEQA's definition of a major transit stop, a large majority of the City of Santa Monica is located within ½ mile of transit (which covers the majority of bus stops). Therefore, the application of OPR's screening criteria would effectively screen out most development projects within the City from VMT analysis without consideration to local context. As recent data have shown, even as new projects are being developed within 0.5 mile of a bus stop, ridership for Santa Monica's Big Blue Bus system has gradually declined in the past three years.

[2] *Major transit stop defined "as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods*"



As such, Staff is proposing the following tiered screening criteria system for screening out projects from VMT analysis:

Tier 1: Does the project include the development of the following land uses, which are screened out from further analysis?

Table 1: Land uses screened out from VMT analysis

- New construction of educational facilities/institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, at least 75% of the student body come from within 2.0 miles of the school
- Expansion or construction of new civic/government uses and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community; or if larger than 50,000 sf, the project would not result in more than 50 net new additional full time equivalent employees
- Local serving parks and recreational facilities
- 100% affordable housing
- 200 residential dwelling units or less
- 50,000 sf or less of commercial floor area per land use category[1]

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Tie … ion or 0.25-mile walking distance of Bus Rapid Transit (BRT) stop?[2]

If no, conduct VMT analysis. If yes, move to Tier 3.

Tier 3: Would the project provide more parking than required by Code (or, if located in an area that does not require parking, exceed parking maximums)?

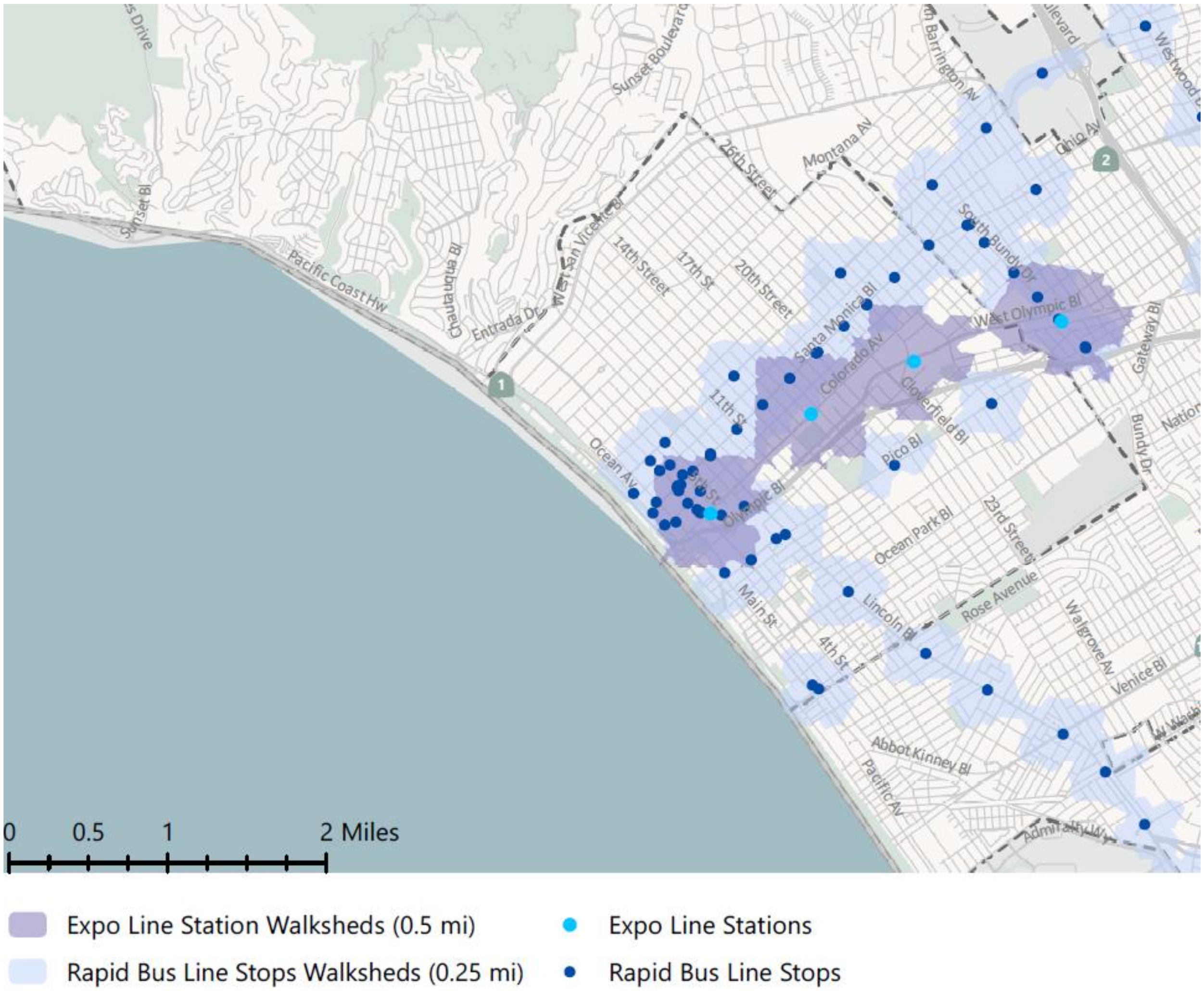
If no, no further analysis. If yes, conduct VMT analysis.

[1] Commercial uses covered under this screening criterion include (but are not limited to): office, medical office, retail, restaurant, grocery store/market, movie theater, gym/fitness, hotel, and hospital uses less than 50,000 sf. Excludes museums, amusement parks, and other large regional trip attractors as may be determined by City Staff.
[2] Walking distance is defined as the actual physical distance that a person would need to walk based on the street network. BRT stops includes stops for Big Blue Bus Rapid routes and Metro Rapid Bus routes

The first pro pos ed scr een ing crit erio n refl ect s con sist enc y with curr ent CE

QA streamlining regulations, which already exempts most projects in the City that are 200 dwelling units or less or 50,000 sf or less.[3] The second proposed criterion modifies OPR's screening criterion to screen out only those projects located within 0.5 mile walking distance of an Expo Station or 0.25 walking distance of a BRT stop (rather than all bus stops). Most transportation experts generally agree that typical transit riders will walk up to a 0.5 mile to a rail/train station and 0.25 mile to a bus stop. The last criterion addresses parking supply and is consistent with OPR's screening criteria, which ensures that a project does not oversupply parking and consequently induce driving.

[3] *Section 21155.1 (A) of CEQA provides streamlined CEQA review for a special class of Transit Priority Projects – namely, Sustainable Community Projects (SCP) that meet a list of criteria. A full CEQA exemption is provided for a project that is deemed to be a SCP. In Santa Monica, most residential and/or mixed-use projects with 200 dwelling units or less that are located in a transit priority area (within 0.5 miles of a major transit stop) are able to meet the SCP criteria and are fully exempt from CEQA. Additionally, under CEQA Section 21094.5, infill commercial and employment projects that are 50,000 square feet or less, with a FAR greater than 0.75, located within 0.5 mile of 1,800 households, and consistent with the LUCE, may qualify for CEQA streamlining, which range from a shortened EIR to a full CEQA exemption.*



Additionally, for a land use project, OPR states that a less than significant impact would also result if:

- A project decreases [total] vehicle miles traveled in the project area compared to existing conditions or
- A redevelopment project replaces existing VMT generating land uses with new uses that result in a net overall decrease in VMT.

Projects that are screened out based on the criteria above are presumed to have a less than significant impact on transportation and as such, no VMT analysis is required.

Proposed VMT Significance Thresholds

For projects that are not screened out, a VMT analysis would be required to determine if a significant transportation impact will occur. To assist in determining whether a significant impact will occur, many lead agencies rely on “thresholds of significance.” The CEQA Guidelines do not prescribe specific thresholds of significance. Rather, lead agencies have discretion to develop and adopt their own or rely on thresholds recommended by other agencies provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence.

SB 743 directed OPR to propose suggested thresholds for determining the significance of transportation impacts. In accordance with this directive, OPR’s *Technical Advisory* provides suggested significance thresholds for determining whether a project would have a significant VMT impact. However, as noted in the advisory, the suggested thresholds are not binding and lead agencies have the discretion to set or apply their own thresholds of significance.

Land Use Projects

For land use development projects, OPR’s *Technical Advisory* states that a project’s VMT should be calculated separately for each type of land use and recommends the following thresholds for Residential, Office, and Retail land uses:

Land Use	**OPR Suggested Threshold**
Residential	Exceeds 15% below existing VMT per capita (regional or city)
Office	Exceeds 15% below existing regional VMT per employee
Retail	Any net increase in total VMT

OPR’s thresholds are based on extensive research and analysis which generally indicate that adoption of the 15% below existing per capita thresholds would achieve the State’s long-term climate reduction goals specified in Assembly Bill 32, Senate Bills 32 and 391, Executive Orders B-30-15, S-3-05, B-16-12, B-55-18, and the California Air Resource Board (CARB)'s 2017 Climate Change Scoping Plan Update.

Rather than applying OPR's suggested thresholds of significance, Staff is proposing the use of City-specific thresholds that are more locally sensitive. The City of Santa Monica is an urban coastal community with unique land use and transportation characteristics that greatly influence travel behavior. The City's compact character combined with the availability of various mobility options results in a VMT per capita that is already significantly lower than the regional average. Furthermore, while the City has made considerable progress in expanding and promoting sustainable transportation options, the City's recently adopted Climate Action and Adaptation Plan (CAAP) establishes an ambitious roadmap for reducing greenhouse gas (GHG) emissions – 80% reduction (below 1990 levels) in carbon emissions by 2030 and Carbon Neutrality by 2050 or sooner. As indicated in the CAAP, transportation GHG emissions account for 64% of Citywide GHG emissions. To achieve the CAAP GHG reduction targets, the CAAP estimates a 16.3% reduction in transportation VMT will be required. To that end, the City's VMT thresholds should align with the transportation assumptions in the CAAP. Additionally, in consideration of the fact that most of the projects in Santa Monica are mixed-use by nature and to ensure that the VMT thresholds do not hinder the production of much needed housing, the City is proposing VMT thresholds that are uniquely more flexible to achieve the desired VMT reductions envisioned by the State.

To comply with SB743 while ensuring that future projects would support the City's progress in achieving mobility, land use planning, and sustainability goals, Staff is proposing two sets of VMT thresholds, both of which would be applied to projects subject to CEQA:

1) VMT per capita: Based on the most recent data from the City's Travel Demand Forecasting Model (TDFM), the City's daily average VMT per capita for residents is 9.0 miles/resident and the average VMT per capita for commercial employees is 19.2 miles/employee. As such, the City proposes the following significance criterion:

- A project's VMT per capita must not exceed the existing Citywide average VMT per capita for that particular land use.[4]

Table 1: City of Santa Monica Proposed VMT Thresholds: Significance Criteria 1

Land Use	Proposed Threshold
Residential	No greater than existing Citywide average VMT/capita
Commercial Employee	No greater than existing Citywide average VMT/capita
Retail	Any net increase in total City VMT

and

2) Total VMT threshold: Based on the California Air Resources Board 2017 Scoping Plan, if every project reduces its VMT by at least 16.8%, the GHG reduction goals established by the State could be achieved. In addition, the City's CAAP estimates that a 16.3% reduction in transportation VMT is necessary to achieve carbon neutrality goals. As such, Staff proposes a second significance criterion:
    - The Project's combined residential and employee VMT for all uses must be at least 16.8% below existing Citywide "business as usual" VMT per capita. Business as Usual VMT is defined as what the calculated VMT for the Project would be if the Project were generating VMT per capita at the existing citywide average.

[4] As of this writing, the existing citywide average VMT for residents is 9.0 per capita and for commercial employee is 19.2 per employee.

Table 2: City of Santa Monica Proposed VMT Thresholds: Significance Criteria 2

		Example Calculation			
	Project VMT	**Existing City Average VMT/capita**	**Project Population**	**Business as Usual (BAU) VMT**	**Proposed Threshold**
Residential	A	9.0	D	= (9.0 x D)	
Commercial Employee	B	19.2	E	= (19.2 x E)	
	Total Resident + Employee VMT (A +B)			**Total BAU VMT**	**Is Total Resident + Employee VMT at least 16.8% lower than Total BAU VMT?**

These City-specific thresholds reflect a local consideration to the City's existing transportation conditions as well as State and local land use and sustainability goals. This strategic approach would also ensure that new development will not hinder the City's progress towards reducing GHG emissions, improving mobility options, and implementation of the LUCE.

Transportation Projects

OPR also provides a set of screening criteria and significance criteria to address the VMT impacts of transportation projects. In the past, transportation projects that alleviated congestion, such as roadway widenings, were considered to have a beneficial environmental impact under CEQA. In reality though, decades of roadway enhancement projects have proven that adding more vehicle capacity has an adverse environmental impact by inducing more vehicle travel, thus adding to air pollutant and GHG emissions. In contrast, transportation projects that improved or created new sustainable mobility options such as bicycle lanes, bus lanes, and sidewalk improvements were considered to have an adverse CEQA impact due to their effects on decreasing vehicular capacity.

With the switch to VMT, transportation projects that would induce vehicle travel would be considered to have an adverse significant transportation impact on the environment. For transportation projects, Staff proposes to adopt the recommended screening criteria and significance thresholds in OPR's *Technical Advisory* with some minor local amendments.

Similar to the methodology for analyzing land use projects, transportation projects would be reviewed to determine if they fall within a category of projects that can be screened out from VMT analysis. Transportation projects that are screened out presumably would not lead to a substantial or measurable increase in vehicle travel, and therefore generally would have a less than significant impact on VMT. These projects include a range of bicycle, pedestrian, and transit projects including typical maintenance and operations projects (such as signalization, minor improvements including traffic calming devices and wayfinding signage, etc.). The full list of transportation projects that would be screened from VMT analysis are provided in Attachment B.

Adding roadway capacity or potentially building new roadways typically induces additional vehicle travel. For these types of projects, a VMT analysis should be conducted to determine if they lead to additional vehicle travel. A significant impact would occur if it would increase total Citywide VMT.

Updating the Multi-modal Transportation Impact Fee (TIF)

With the shift from LOS to VMT and a streamlined CEQA review process, Santa Monica remains committed to vehicle trip reduction and congestion management to achieve community safety, environmental and quality of life goals. The adopted LUCE puts forth a goal of "No Net New PM Peak Hour trips" and outlines multi-modal physical infrastructure, integrated land use and transportation, and programs to achieve the target. It is crucial to proactively and effectively provide mobility and access options to achieve these goals, especially at a time when positioning Santa Monica as a clean and safe community to live, work, and visit is a critical component of the City's post-COVID-19 economic recovery plan. With adoption of the LUCE, the City also created a Transportation Impact Fee (TIF) to help fund safe and continuous networks, facilities for people of all ages and abilities, and systems that provide for multiple trip purposes and combined modes.

During the Planning Commission hearings about SB743 in January and May 2020, staff proposed an increase in the TIF. As indicated in the May 2020 staff report, the adopted fee was not established at 100% cost recovery and assumed the use of substantial matching funds and outside grants. The availability of general funds, outside matching, and grant dollars, as well as the staff resources necessary to obtain them have been reduced at this time due to the budgetary impacts of COVID-19. Staff will be returning to City Council in the next month with a proposed modest increase to the multi-modal TIF to complement the current round of CEQA streamlining while continuing to address the potential trip generation of future development projects in light of new budget constraints.

Financial Impacts and Budget Actions

There is no immediate financial impact or budget action necessary as a result of the recommended action. The adoption of new VMT thresholds will streamline processing of projects and reduce staff effort for the environmental review of projects. With the transition to VMT, the transportation review of projects would be shortened from an average of 4-5 months to a few weeks. Modifying the Transportation Impact Fee would have an impact on revenue and will be discussed when that item is before Council.

Prepared By: Rachel Kwok, Environmental Planner

Approved		**Forwarded to Council**	
David Martin, Director	6/4/2020	Lane Dilg, Interim City Manager	6/5/2020

Attachments:

A. Attachment A_OPR_Technical_Advisory
B. Attachment B - Screened Transportation Projects
C. Proposed Resolution - SB743 Guidelines

TECHNICAL ADVISORY

ON EVALUATING TRANSPORTATION IMPACTS IN CEQA

December 2018

Contents

A. Introduction

This technical advisory is one in a series of advisories provided by the Governor's Office of Planning and Research (OPR) as a service to professional planners, land use officials, and CEQA practitioners. OPR issues technical assistance on issues that broadly affect the practice of land use planning and the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.). (Gov. Code, § 65040, subds. (g), (l), (m).) The purpose of this document is to provide advice and recommendations, which agencies and other entities may use at their discretion. This document does not alter lead agency discretion in preparing environmental documents subject to CEQA. This document should not be construed as legal advice.

Senate Bill 743 (Steinberg, 2013), which was codified in Public Resources Code section 21099, required changes to the guidelines implementing CEQA (CEQA Guidelines) (Cal. Code Regs., Title 14, Div. 6, Ch. 3, § 15000 et seq.) regarding the analysis of transportation impacts. As one appellate court recently explained: "During the last 10 years, the Legislature has charted a course of long-term sustainability based on denser infill development, reduced reliance on individual vehicles and improved mass transit, all with the goal of reducing greenhouse gas emissions. Section 21099 is part of that strategy . . . ." (*Covina Residents for Responsible Development v. City of Covina* (2018) 21 Cal.App.5th 712, 729.) Pursuant to Section 21099, the criteria for determining the significance of transportation impacts must "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." (*Id.*, subd. (b)(1); see generally, adopted CEQA Guidelines, § 15064.3, subd. (b) [Criteria for Analyzing Transportation Impacts].) To that end, in developing the criteria, OPR has proposed, and the California Natural Resources Agency (Agency) has certified and adopted, changes to the CEQA Guidelines that identify vehicle miles traveled (VMT) as the most appropriate metric to evaluate a project's transportation impacts. With the California Natural Resources Agency's certification and adoption of the changes to the CEQA Guidelines, automobile delay, as measured by "level of service" and other similar metrics, generally no longer constitutes a significant environmental effect under CEQA. (Pub. Resources Code, § 21099, subd. (b)(3).)

This advisory contains technical recommendations regarding assessment of VMT, thresholds of significance, and mitigation measures. Again, OPR provides this Technical Advisory as a resource for the public to use at their discretion. OPR is not enforcing or attempting to enforce any part of the recommendations contained herein. (Gov. Code, § 65035 ["It is not the intent of the Legislature to vest in the Office of Planning and Research any direct operating or regulatory powers over land use, public works, or other state, regional, or local projects or programs."].)

This December 2018 technical advisory is an update to the advisory it published in April 2018. OPR will continue to monitor implementation of these new provisions and may update or supplement this advisory in response to new information and advancements in modeling and methods.

B. Background

VMT and Greenhouse Gas Emissions Reduction. Senate Bill 32 (Pavley, 2016) requires California to reduce greenhouse gas (GHG) emissions 40 percent below 1990 levels by 2030, and Executive Order B-16-12 provides a target of 80 percent below 1990 emissions levels for the transportation sector by 2050. The transportation sector has three major means of reducing GHG emissions: increasing vehicle efficiency, reducing fuel carbon content, and reducing the amount of vehicle travel. The California Air Resources Board (CARB) has provided a path forward for achieving these emissions reductions from the transportation sector in its 2016 Mobile Source Strategy. CARB determined that it will not be possible to achieve the State's 2030 and post-2030 emissions goals without reducing VMT growth. Further, in its 2018 Progress Report on California's Sustainable Communities and Climate Protection Act, CARB found that despite the State meeting its 2020 climate goals, "emissions from statewide passenger vehicle travel per capita [have been] increasing and going in the wrong direction," and "California cannot meet its [long-term] climate goals without curbing growth in single-occupancy vehicle activity."[1] CARB also found that "[w]ith emissions from the transportation sector continuing to rise despite increases in fuel efficiency and decreases in the carbon content of fuel, California will not achieve the necessary greenhouse gas emissions reductions to meet mandates for 2030 and beyond without significant changes to how communities and transportation systems are planned, funded, and built."[2]

Thus, to achieve the State's long-term climate goals, California needs to reduce per capita VMT. This can occur under CEQA through VMT mitigation. Half of California's GHG emissions come from the transportation sector[3], therefore, reducing VMT is an effective climate strategy, which can also result in co-benefits.[4] Furthermore, without early VMT mitigation, the state may follow a path that meets GHG targets in the early years, but finds itself poorly positioned to meet more stringent targets later. For example, in absence of VMT analysis and mitigation in CEQA, lead agencies might rely upon verifiable offsets for GHG mitigation, ignoring the longer-term climate change impacts resulting from land use development and infrastructure investment decisions. As stated in CARB's 2017 Scoping Plan:

> "California's future climate strategy will require increased focus on integrated land use planning to support livable, transit-connected communities, and conservation of agricultural and other lands. Accommodating population and economic growth through travel- and energy-efficient land use provides GHG-efficient growth, reducing GHGs from both transportation and building energy use. GHGs can be further reduced at the project level through implementing energy-efficient construction and travel demand management approaches."[5] (*Id.* at p. 102.)

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[1] California Air Resources Board (Nov. 2018) *2018 Progress Report on California's Sustainable Communities and Climate Protection Act*, pp. 4, 5, available at https://ww2.arb.ca.gov/sites/default/files/2018-11/Final2018Report_SB150_112618_02_Report.pdf.
[2] *Id.*, p. 28.
[3] See https://ca50million.ca.gov/transportation/
[4] Fang et al. (2017) *Cutting Greenhouse Gas Emissions Is Only the Beginning: A Literature Review of the Co-Benefits of Reducing Vehicle Miles Traveled*.
[5] California Air Resources Board (Nov. 2017) *California's 2017 Climate Change Scoping Plan*, p. 102, available at https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf.

In light of this, the 2017 Scoping Plan describes and quantifies VMT reductions needed to achieve our long-term GHG emissions reduction goals, and specifically points to the need for statewide deployment of the VMT metric in CEQA:

> "Employing VMT as the metric of transportation impact statewide will help to ensure GHG reductions planned under SB 375 will be achieved through on-the-ground development, and will also play an important role in creating the additional GHG reductions needed beyond SB 375 across the State. Implementation of this change will rely, in part, on local land use decisions to reduce GHG emissions associated with the transportation sector, both at the project level, and in long-term plans (including general plans, climate action plans, specific plans, and transportation plans) and supporting sustainable community strategies developed under SB 375."[6]

VMT and Other Impacts to Health and Environment. VMT mitigation also creates substantial benefits (sometimes characterized as "co-benefits" to GHG reduction) in both in the near-term and the long-term. Beyond GHG emissions, increases in VMT also impact human health and the natural environment. Human health is impacted as increases in vehicle travel lead to more vehicle crashes, poorer air quality, increases in chronic diseases associated with reduced physical activity, and worse mental health. Increases in vehicle travel also negatively affect other road users, including pedestrians, cyclists, other motorists, and many transit users. The natural environment is impacted as higher VMT leads to more collisions with wildlife and fragments habitat. Additionally, development that leads to more vehicle travel also tends to consume more energy, water, and open space (including farmland and sensitive habitat). This increase in impermeable surfaces raises the flood risk and pollutant transport into waterways.[7]

VMT and Economic Growth. While it was previously believed that VMT growth was a necessary component of economic growth, data from the past two decades shows that economic growth is possible without a concomitant increase in VMT. (Figure 1.) Recent research shows that requiring development projects to mitigate LOS may actually reduce accessibility to destinations and impede economic growth.[8,9]

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[6] *Id.* at p. 76.

[7] Fang et al. (2017) *Cutting Greenhouse Gas Emissions Is Only the Beginning: A Literature Review of the Co-Benefits of Reducing Vehicle Miles Traveled*, available at https://ncst.ucdavis.edu/wp-content/uploads/2017/03/NCST-VMT-Co-Benefits-White-Paper_Fang_March-2017.pdf.

[8] Haynes et al. (Sept. 2015) *Congested Development: A Study of Traffic Delays, Access, and Economic Activity in Metropolitan Los Angeles*, available at http://www.its.ucla.edu/wp-content/uploads/sites/6/2015/11/Haynes_Congested-Development_1-Oct-2015_final.pdf.

[9] Osman et al. (Mar. 2016) *Not So Fast: A Study of Traffic Delays, Access, and Economic Activity in the San Francisco Bay Area*, available at http://www.its.ucla.edu/wp-content/uploads/sites/6/2016/08/Taylor-Not-so-Fast-04-01-2016_final.pdf.

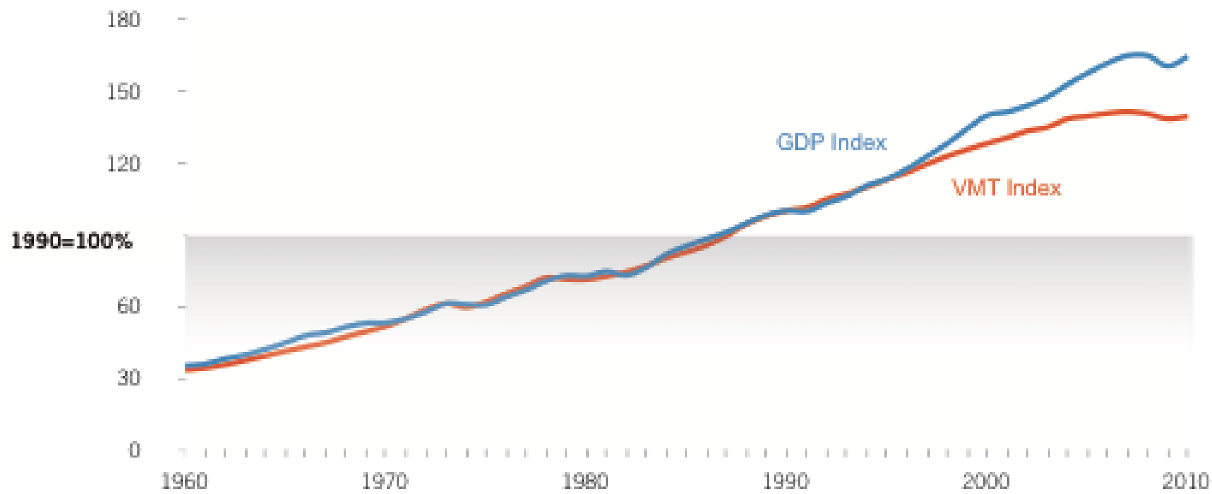

Figure 1. Kooshian and Winkelman (2011) *VMT and Gross Domestic Product (GDP), 1960-2010*.

C. Technical Considerations in Assessing Vehicle Miles Traveled

Many practitioners are familiar with accounting for VMT in connection with long-range planning, or as part of the CEQA analysis of a project's greenhouse gas emissions or energy impacts. This document provides technical information on how to assess VMT as part of a transportation impacts analysis under CEQA. Appendix 1 provides a description of which VMT to count and options on how to count it. Appendix 2 provides information on induced travel resulting from roadway capacity projects, including the mechanisms giving rise to induced travel, the research quantifying it, and information on additional approaches for assessing it.

1. Recommendations Regarding Methodology

Proposed Section 15064.3 explains that a "lead agency may use models to estimate a project's vehicle miles traveled . . . ." CEQA generally defers to lead agencies on the choice of methodology to analyze impacts. (*Santa Monica Baykeeper v. City of Malibu* (2011) 193 Cal.App.4th 1538, 1546; see *Laurel Heights Improvement Assn. v. Regents of University of California* (1988) 47 Cal.3d 376, 409 ["the issue is not whether the studies are irrefutable or whether they could have been better" … rather, the "relevant issue is only whether the studies are sufficiently credible to be considered" as part of the lead agency's overall evaluation].) This section provides suggestions to lead agencies regarding methodologies to analyze VMT associated with a project.

Vehicle Types. Proposed Section 15064.3, subdivision (a), states, "For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project." Here, the term "automobile" refers to on-road passenger vehicles, specifically cars and light trucks. Heavy-duty truck VMT could be included for modeling convenience and ease of calculation (for example, where models or data provide combined auto and heavy truck VMT). For an apples-to-apples comparison, vehicle types considered should be consistent across project assessment, significance thresholds, and mitigation.

Residential and Office Projects. Tour- and trip-based approaches[10] offer the best methods for assessing VMT from residential/office projects and for comparing those assessments to VMT thresholds. These approaches also offer the most straightforward methods for assessing VMT reductions from mitigation measures for residential/office projects. When available, tour-based assessment is ideal because it captures travel behavior more comprehensively. But where tour-based tools or data are not available for all components of an analysis, a trip-based assessment of VMT serves as a reasonable proxy.

Models and methodologies used to calculate thresholds, estimate project VMT, and estimate VMT reduction due to mitigation should be comparable. For example:

- A tour-based assessment of project VMT should be compared to a tour-based threshold, or a trip-based assessment to a trip-based VMT threshold.
- Where a travel demand model is used to determine thresholds, the same model should also be used to provide trip lengths as part of assessing project VMT.
- Where only trip-based estimates of VMT reduction from mitigation are available, a trip-based threshold should be used, and project VMT should be assessed in a trip-based manner.

When a trip-based method is used to analyze a residential project, the focus can be on home-based trips. Similarly, when a trip-based method is used to analyze an office project, the focus can be on home-based work trips.

When tour-based models are used to analyze an office project, either employee work tour VMT or VMT from all employee tours may be attributed to the project. This is because workplace location influences overall travel. For consistency, the significance threshold should be based on the same metric: either employee work tour VMT or VMT from all employee tours.

For office projects that feature a customer component, such as a government office that serves the public, a lead agency can analyze the customer VMT component of the project using the methodology for retail development (see below).

Retail Projects. Generally, lead agencies should analyze the effects of a retail project by assessing the change in total VMT[11] because retail projects typically re-route travel from other retail destinations. A retail project might lead to increases or decreases in VMT, depending on previously existing retail travel patterns.

[10] See Appendix 1, *Considerations About Which VMT to Count,* for a description of these approaches.
[11] See Appendix 1, *Considerations About Which VMT to Count,* "Assessing Change in Total VMT" section, for a description of this approach.

Considerations for All Projects. Lead agencies should not truncate any VMT analysis because of jurisdictional or other boundaries, for example, by failing to count the portion of a trip that falls outside the jurisdiction or by discounting the VMT from a trip that crosses a jurisdictional boundary. CEQA requires environmental analyses to reflect a "good faith effort at full disclosure." (CEQA Guidelines, § 15151.) Thus, where methodologies exist that can estimate the full extent of vehicle travel from a project, the lead agency should apply them to do so. Where those VMT effects will grow over time, analyses should consider both a project's short-term and long-term effects on VMT.

Combining land uses for VMT analysis is not recommended. Different land uses generate different amounts of VMT, so the outcome of such an analysis could depend more on the mix of uses than on their travel efficiency. As a result, it could be difficult or impossible for a lead agency to connect a significance threshold with an environmental policy objective (such as a target set by law), inhibiting the CEQA imperative of identifying a project's significant impacts and providing mitigation where feasible. Combining land uses for a VMT analysis could streamline certain mixes of uses in a manner disconnected from policy objectives or environmental outcomes. Instead, OPR recommends analyzing each use separately, or simply focusing analysis on the dominant use, and comparing each result to the appropriate threshold. Recommendations for methods of analysis and thresholds are provided below. In the analysis of each use, a mixed-use project should take credit for internal capture.

Any project that includes in its geographic bounds a portion of an existing or planned Transit Priority Area (i.e., the project is within a ½ mile of an existing or planned major transit stop or an existing stop along a high quality transit corridor) may employ VMT as its primary metric of transportation impact for the entire project. (See Pub. Resources Code, § 21099, subds. (a)(7), (b)(1).)

Cumulative Impacts. A project's cumulative impacts are based on an assessment of whether the "incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects." (Pub. Resources Code, § 21083, subd. (b)(2); see CEQA Guidelines, § 15064, subd. (h)(1).) When using an absolute VMT metric, i.e., total VMT (as recommended below for retail and transportation projects), analyzing the combined impacts for a cumulative impacts analysis may be appropriate. However, metrics such as VMT per capita or VMT per employee, i.e., metrics framed in terms of efficiency (as recommended below for use on residential and office projects), cannot be summed because they employ a denominator. A project that falls below an efficiency-based threshold that is aligned with long-term environmental goals and relevant plans would have no cumulative impact distinct from the project impact. Accordingly, a finding of a less-than-significant project impact would imply a less than significant cumulative impact, and vice versa. This is similar to the analysis typically conducted for greenhouse gas emissions, air quality impacts, and impacts that utilize plan compliance as a threshold of significance. (See *Center for Biological Diversity v. Department of Fish & Wildlife* (2015) 62 Cal.4th 204, 219, 223; CEQA Guidelines, § 15064, subd. (h)(3).)

D. General Principles to Guide Consideration of VMT

SB 743 directs OPR to establish specific "criteria for determining the significance of transportation impacts of projects[.]" (Pub. Resources Code, § 21099, subd. (b)(1).) In establishing this criterion, OPR was guided by the general principles contained within CEQA, the CEQA Guidelines, and applicable case law.

To assist in the determination of significance, many lead agencies rely on "thresholds of significance." The CEQA Guidelines define a "threshold of significance" to mean "an identifiable **quantitative, qualitative**[12] **or performance level** of a particular environmental effect, non-compliance with which means the effect will ***normally*** be determined to be significant by the agency and compliance with which means the effect ***normally*** will be determined to be less than significant." (CEQA Guidelines, § 15064.7, subd. (a) (emphasis added).) Lead agencies have discretion to develop and adopt their own, or rely on thresholds recommended by other agencies, "provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence." (*Id*. at subd. (c); *Save Cuyama Valley v. County of Santa Barbara* (2013) 213 Cal.App.4th 1059, 1068.) Substantial evidence means "enough relevant information and reasonable inferences from this information that a fair argument can be made to support a conclusion, even though other conclusions might also be reached." (*Id*. at § 15384 (emphasis added); *Protect the Historic Amador Waterways v. Amador Water Agency* (2004) 116 Cal.App.4th 1099, 1108-1109.)

Additionally, the analysis leading to the determination of significance need not be perfect. The CEQA Guidelines describe the standard for adequacy of environmental analyses:

> An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to **make a decision which intelligently takes account of environmental consequences**. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in the light of what is **reasonably feasible**. Disagreement among experts does not make an EIR inadequate, but the EIR should summarize the main points of disagreement among the experts. The **courts have looked not for perfection** but for **adequacy**, **completeness**, and a **good faith effort** at full disclosure.

(CEQA Guidelines, § 15151 (emphasis added).)

These general principles guide OPR's recommendations regarding thresholds of significance for VMT set forth below.

[12] Generally, qualitative analyses should only be conducted when methods do not exist for undertaking a quantitative analysis.

E. Recommendations Regarding Significance Thresholds

As noted above, lead agencies have the discretion to set or apply their own thresholds of significance. (*Center for Biological Diversity v. California Dept. of Fish & Wildlife* (2015) 62 Cal.4th 204, 218-223 [lead agency had discretion to use compliance with AB 32's emissions goals as a significance threshold]; *Save Cuyama Valley v. County of Santa Barbara* (2013) 213 Cal.App.4th at p. 1068.) However, Section 21099 of the Public Resources Code states that the criteria for determining the significance of transportation impacts must promote: (1) reduction of greenhouse gas emissions; (2) development of multimodal transportation networks; and (3) a diversity of land uses. It further directed OPR to prepare and develop criteria for determining significance. (Pub. Resources Code, § 21099, subd. (b)(1).) This section provides OPR's suggested thresholds, as well as considerations for lead agencies that choose to adopt their own

The VMT metric can support the three statutory goals: "the reduction of greenhouse gas emissions, the development of multimodal transportation networks, *and* a diversity of land uses." (Pub. Resources Code, § 21099, subd. (b)(1), emphasis added.) However, in order for it to promote and support all three, lead agencies should select a significance threshold that aligns with state law on all three. State law concerning the development of multimodal transportation networks and diversity of land uses requires planning for and prioritizing increases in complete streets and infill development, but does not mandate a particular depth of implementation that could translate into a particular threshold of significance. Meanwhile, the State has clear quantitative targets for GHG emissions reduction set forth in law and based on scientific consensus, and the depth of VMT reduction needed to achieve those targets has been quantified. Tying VMT thresholds to GHG reduction also supports the two other statutory goals. Therefore, to ensure adequate analysis of transportation impacts, OPR recommends using quantitative VMT thresholds linked to GHG reduction targets when methods exist to do so.

Various legislative mandates and state policies establish quantitative greenhouse gas emissions reduction targets. For example:

- Assembly Bill 32 (2006) requires statewide GHG emissions reductions to 1990 levels by 2020 and continued reductions beyond 2020.
- Senate Bill 32 (2016) requires at least a 40 percent reduction in GHG emissions from 1990 levels by 2030.
- Pursuant to Senate Bill 375 (2008), the California Air Resources Board GHG emissions reduction targets for metropolitan planning organizations (MPOs) to achieve based on land use patterns and transportation systems specified in Regional Transportation Plans and Sustainable Community Strategies (RTP/SCS). Current targets for the State's largest MPOs call for a 19 percent reduction in GHG emissions from cars and light trucks from 2005 emissions levels by 2035.
- Executive Order B-30-15 (2015) sets a GHG emissions reduction target of 40 percent below 1990 levels by 2030.

- Executive Order S-3-05 (2005) sets a GHG emissions reduction target of 80 percent below 1990 levels by 2050.

- Executive Order B-16-12 (2012) specifies a GHG emissions reduction target of 80 percent below 1990 levels by 2050 specifically for transportation.

- Executive Order B-55-18 (2018) established an additional statewide goal of achieving carbon neutrality as soon as possible, but no later than 2045, and maintaining net negative emissions thereafter. It states, "The California Air Resources Board shall work with relevant state agencies to develop a framework for implementation and accounting that tracks progress toward this goal."

- Senate Bill 391 requires the California Transportation Plan to support 80 percent reduction in GHGs below 1990 levels by 2050.

- The *California Air Resources Board Mobile Source Strategy* (2016) describes California's strategy for containing air pollutant emissions from vehicles, and quantifies VMT growth compatible with achieving state targets.

- The California Air Resources Board's *2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target* describes California's strategy for containing GHG emissions from vehicles, and quantifies VMT growth compatible with achieving state targets.

Considering these various targets, the California Supreme Court observed:

> Meeting our statewide reduction goals does not preclude all new development. Rather, the Scoping Plan … assumes continued growth and depends on increased efficiency and conservation in land use and transportation from all Californians.

(*Center for Biological Diversity v. California Dept. of Fish & Wildlife*, *supra*, 62 Cal.4th at p. 220.) Indeed, the Court noted that when a lead agency uses consistency with climate goals as a way to determine significance, particularly for long-term projects, the lead agency must consider the project's effect on meeting long-term reduction goals. (*Ibid*.) And more recently, the Supreme Court stated that "CEQA requires public agencies . . . to ensure that such analysis stay in step with evolving scientific knowledge and state regulatory schemes." (*Cleveland National Forest Foundation v. San Diego Assn. of Governments* (2017) 3 Cal.5th 497, 504.)

Meeting the targets described above will require substantial reductions in existing VMT per capita to curb GHG emissions and other pollutants. But targets for overall GHG emissions reduction do not translate directly into VMT thresholds for individual projects for many reasons, including:

- Some, but not all, of the emissions reductions needed to achieve those targets could be accomplished by other measures, including increased vehicle efficiency and decreased fuel carbon content. The CARB's *First Update to the Climate Change Scoping Plan* explains:

"Achieving California's long-term criteria pollutant and GHG emissions goals will require four strategies to be employed: (1) improve vehicle efficiency and develop zero emission technologies, (2) reduce the carbon content of fuels and provide market support to get these lower-carbon fuels into the marketplace, (3) **plan and build communities to reduce vehicular GHG emissions and provide more transportation options, and (4) improve the efficiency and throughput of existing transportation systems.**"[13] CARB's *2018 Progress Report on California's Sustainable Communities and Climate Protection Act* states on page 28 that "California cannot meet its climate goals without curbing growth in single-occupancy vehicle activity." In other words, vehicle efficiency and better fuels are necessary, but insufficient, to address the GHG emissions from the transportation system. Land use patterns and transportation options also will need to change to support reductions in vehicle travel/VMT.

- New land use projects alone will not sufficiently reduce per-capita VMT to achieve those targets, nor are they expected to be the sole source of VMT reduction.

- Interactions between land use projects, and also between land use and transportation projects, existing and future, together affect VMT.

- Because location within the region is the most important determinant of VMT, in some cases, streamlining CEQA review of projects in travel efficient locations may be the most effective means of reducing VMT.

- When assessing climate impacts of some types of land use projects, use of an efficiency metric (e.g., per capita, per employee) may provide a better measure of impact than an absolute numeric threshold. (*Center for Biological Diversity*, *supra*.)

Public Resources Code section 21099 directs OPR to propose criteria for determining the significance of transportation impacts. In this Technical Advisory, OPR provides its recommendations to assist lead agencies in selecting a significance threshold that may be appropriate for their particular projects. While OPR's Technical Advisory is not binding on public agencies, CEQA allows lead agencies to "consider thresholds of significance . . . recommended by other public agencies, provided the decision to adopt those thresholds is supported by substantial evidence." (CEQA Guidelines, § 15064.7, subd. (c).) Based on OPR's extensive review of the applicable research, and in light of an assessment by the California Air Resources Board quantifying the need for VMT reduction in order to meet the State's long-term climate goals, **OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold**.

Fifteen percent reductions in VMT are achievable at the project level in a variety of place types.[14]

Moreover, a fifteen percent reduction is consistent with SB 743's direction to OPR to select a threshold that will help the State achieve its climate goals. As described above, section 21099 states that the

[13] California Air Resources Board (May 2014) *First Update to the Climate Change Scoping Plan*, p. 46 (emphasis added).
[14] CAPCOA (2010) *Quantifying Greenhouse Gas Mitigation Measures*, p. 55, available at http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf.

criteria for determining significance must "promote the reduction in greenhouse gas emissions." In its document *California Air Resources Board 2017 Scoping Plan-Identified VMT Reductions and Relationship to State Climate Goals*[15], CARB assesses VMT reduction per capita consistent with its evidence-based modeling scenario that would achieve State climate goals of 40 percent GHG emissions reduction from 1990 levels by 2030 and 80 percent GHG emissions reduction levels from 1990 by 2050. Applying California Department of Finance population forecasts, CARB finds per-capita light-duty vehicle travel would need to be approximately 16.8 percent lower than existing, and overall per-capita vehicle travel would need to be approximately 14.3 percent lower than existing levels under that scenario. Below these levels, a project could be considered low VMT and would, on that metric, be consistent with 2017 Scoping Plan Update assumptions that achieve climate state climate goals.

CARB finds per capita vehicle travel would need to be kept below what today's policies and plans would achieve.

CARB's assessment is based on data in the 2017 Scoping Plan Update and 2016 Mobile Source Strategy. In those documents, CARB previously examined the relationship between VMT and the state's GHG emissions reduction targets. The Scoping Plan finds:

> "While the State can do more to accelerate and incentivize these local decisions, local actions that reduce VMT are also necessary to meet transportation sector-specific goals and achieve the 2030 target under SB 32. Through developing the Scoping Plan, CARB staff is more convinced than ever that, in addition to achieving GHG reductions from cleaner fuels and vehicles, California must also reduce VMT. Stronger SB 375 GHG reduction targets will enable the State to make significant progress toward needed reductions, but alone will not provide the VMT growth reductions needed; there is a gap between what SB 375 can provide and what is needed to meet the State's 2030 and 2050 goals."[16]

Note that, at present, consistency with RTP/SCSs does not necessarily lead to a less-than-significant VMT impact.[17] As the Final 2017 Scoping Plan Update states,

> VMT reductions are necessary to achieve the 2030 target and must be part of any strategy evaluated in this Plan. Stronger SB 375 GHG reduction targets will enable the State to make significant progress toward this goal, but alone will not provide all of the VMT growth reductions that will be needed. There is a gap between what SB 375 can provide and what is needed to meet the State's 2030 and 2050 goals."[18]

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[15] California Air Resources Board (Jan. 2019) *California Air Resources Board 2017 Scoping Plan-Identified VMT Reductions and Relationship to State Climate Goals*, available at https://ww2.arb.ca.gov/resources/documents/carb-2017-scoping-plan-identified-vmt-reductions-and-relationship-state-climate.
[16] California Air Resources Board (Nov. 2017) *California's 2017 Climate Change Scoping Plan*, p. 101.
[17] California Air Resources Board (Feb. 2018) *Updated Final Staff Report: Proposed Update to the SB 375 Greenhouse Gas Emission Reduction Targets*, Figure 3, p. 35, available at https://www.arb.ca.gov/cc/sb375/sb375_target_update_final_staff_report_feb2018.pdf.
[18] California Air Resources Board (Nov. 2017) *California's 2017 Climate Change Scoping Plan*, p. 75.

Also, in order to capture the full effects of induced travel resulting from roadway capacity projects, an RTP/SCS would need to include an assessment of land use effects of those projects, and the effects of those land uses on VMT. (See section titled "*Estimating VMT Impacts from Transportation Projects"* below.) RTP/SCSs typically model VMT using a collaboratively-developed land use "vision" for the region's land use, rather than studying the effects on land use of the proposed transportation investments.

In summary, achieving 15 percent lower per capita (residential) or per employee (office) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State's emissions goals.

1. Screening Thresholds for Land Use Projects

Many agencies use "screening thresholds" to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed study. (See e.g., CEQA Guidelines, §§ 15063(c)(3)(C), 15128, and Appendix G.) As explained below, this technical advisory suggests that lead agencies may screen out VMT impacts using project size, maps, transit availability, and provision of affordable housing.

Screening Threshold for Small Projects

Many local agencies have developed screening thresholds to indicate when detailed analysis is needed. Absent substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Communities Strategy (SCS) or general plan, projects that generate or attract fewer than 110 trips per day[19] generally may be assumed to cause a less-than-significant transportation impact.

Map-Based Screening for Residential and Office Projects

Residential and office projects that locate in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT. Maps created with VMT data, for example from a travel survey or a travel demand model, can illustrate areas that are

[19] CEQA provides a categorical exemption for existing facilities, including additions to existing structures of up to 10,000 square feet, so long as the project is in an area where public infrastructure is available to allow for maximum planned development and the project is not in an environmentally sensitive area. (CEQA Guidelines, § 15301, subd. (e)(2).) Typical project types for which trip generation increases relatively linearly with building footprint (i.e., general office building, single tenant office building, office park, and business park) generate or attract an additional 110-124 trips per 10,000 square feet. Therefore, absent substantial evidence otherwise, it is reasonable to conclude that the addition of 110 or fewer trips could be considered not to lead to a significant impact.

currently below threshold VMT (see recommendations below). Because new development in such locations would likely result in a similar level of VMT, such maps can be used to screen out residential and office projects from needing to prepare a detailed VMT analysis.

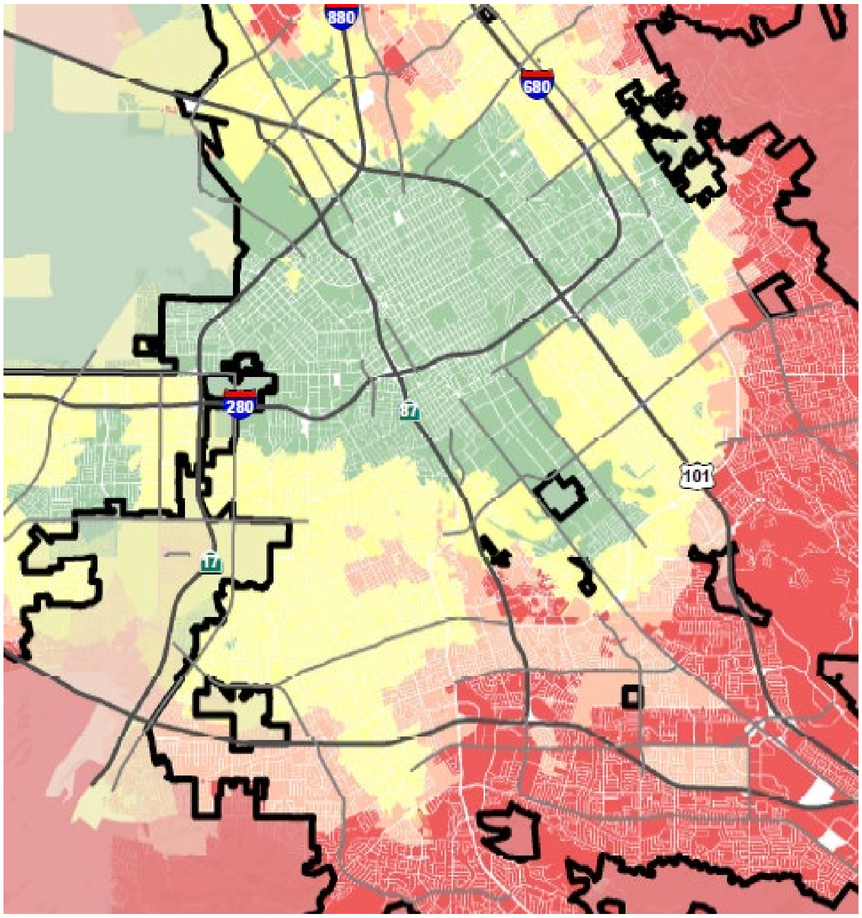

Figure 2. Example map of household VMT that could be used to delineate areas eligible to receive streamlining for VMT analysis. (Source: City of San José, Department of Transportation, draft output of City Transportation Model.)

Presumption of Less Than Significant Impact Near Transit Stations

Proposed CEQA Guideline Section 15064.3, subdivision (b)(1), states that lead agencies generally should presume that certain projects (including residential, retail, and office projects, as well as projects that are a mix of these uses) proposed within ½ mile of an existing major transit stop[20] or an existing stop

[20] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").

along a high quality transit corridor[21] will have a less-than-significant impact on VMT. This presumption would not apply, however, if project-specific or location-specific information indicates that the project will still generate significant levels of VMT. For example, the presumption might not be appropriate if the project:

- Has a Floor Area Ratio (FAR) of less than 0.75
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking)
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization)
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units

A project or plan near transit which replaces affordable residential units[22] with a smaller number of moderate- or high-income residential units may increase overall VMT because the increase in VMT of displaced residents could overwhelm the improvements in travel efficiency enjoyed by new residents.[23]

If any of these exceptions to the presumption might apply, the lead agency should conduct a detailed VMT analysis to determine whether the project would exceed VMT thresholds (see below).

Presumption of Less Than Significant Impact for Affordable Residential Development

Adding affordable housing to infill locations generally improves jobs-housing match, in turn shortening commutes and reducing VMT.[24,25] Further, "… low-wage workers in particular would be more likely to choose a residential location close to their workplace, if one is available."[26] In areas where existing jobs-housing match is closer to optimal, low income housing nevertheless generates less VMT than market-

[21] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").
[22] Including naturally-occurring affordable residential units.
[23] Chapple et al. (2017) *Developing a New Methodology for Analyzing Potential Displacement,* Chapter 4, pp. 159-160, available at https://www.arb.ca.gov/research/apr/past/13-310.pdf.
[24] Karner and Benner (2016) *The convergence of social equity and environmental sustainability: Jobs-housing fit and commute distance* ("[P]olicies that advance a more equitable distribution of jobs and housing by linking the affordability of locally available housing with local wage levels are likely to be associated with reduced commuting distances").
[25] Karner and Benner (2015) *Low-wage jobs-housing fit: identifying locations of affordable housing shortages.*
[26] Karner and Benner (2015) *Low-wage jobs-housing fit: identifying locations of affordable housing shortages.*

rate housing.[27,28] Therefore, a project consisting of a high percentage of affordable housing may be a basis for the lead agency to find a less-than-significant impact on VMT. Evidence supports a presumption of less than significant impact for a 100 percent affordable residential development (or the residential component of a mixed-use development) in infill locations. Lead agencies may develop their own presumption of less than significant impact for residential projects (or residential portions of mixed use projects) containing a particular amount of affordable housing, based on local circumstances and evidence. Furthermore, a project which includes any affordable residential units may factor the effect of the affordability on VMT into the assessment of VMT generated by those units.

2. Recommended Numeric Thresholds for Residential, Office, and Retail Projects

Recommended threshold for residential projects: A proposed project exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. Existing VMT per capita may be measured as regional VMT per capita or as city VMT per capita. Proposed development referencing a threshold based on city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the number of units specified in the SCS for that city, and should be consistent with the SCS.

Residential development that would generate vehicle travel that is 15 or more percent below the existing residential VMT per capita, measured against the region or city, may indicate a less-than-significant transportation impact. In MPO areas, development measured against city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the population or number of units specified in the SCS for that city because greater-than-planned amounts of development in areas above the region-based threshold would undermine the VMT containment needed to achieve regional targets under SB 375.

For residential projects in unincorporated county areas, the local agency can compare a residential project's VMT to (1) the region's VMT per capita, or (2) the aggregate population-weighted VMT per capita of all cities in the region. In MPO areas, development in unincorporated areas measured against aggregate city VMT per capita (rather than regional VMT per capita) should not cumulatively exceed the population or number of units specified in the SCS for that city because greater-than-planned amounts of development in areas above the regional threshold would undermine achievement of regional targets under SB 375.

[27] Chapple et al. (2017) *Developing a New Methodology for Analyzing Potential Displacement*, available at https://www.arb.ca.gov/research/apr/past/13-310.pdf.
[28] CAPCOA (2010) *Quantifying Greenhouse Gas Mitigation Measures*, pp. 176-178, available at http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf.

These thresholds can be applied to either household (i.e., tour-based) VMT or home-based (i.e., trip-based) VMT assessments.[29] It is critical, however, that the agency be consistent in its VMT measurement approach throughout the analysis to maintain an "apples-to-apples" comparison. For example, if the agency uses a home-based VMT for the threshold, it should also be use home-based VMT for calculating project VMT and VMT reduction due to mitigation measures.

Recommended threshold for office projects: A proposed project exceeding a level of 15 percent below existing regional VMT per employee may indicate a significant transportation impact.

Office projects that would generate vehicle travel exceeding 15 percent below existing VMT per employee for the region may indicate a significant transportation impact. In cases where the region is substantially larger than the geography over which most workers would be expected to live, it might be appropriate to refer to a smaller geography, such as the county, that includes the area over which nearly all workers would be expected to live.

Office VMT screening maps can be developed using tour-based data, considering either total employee VMT or employee work tour VMT. Similarly, tour-based analysis of office project VMT could consider either total employee VMT or employee work tour VMT. Where tour-based information is unavailable for threshold determination, project assessment, or assessment of mitigation, home-based work trip VMT should be used throughout all steps of the analysis to maintain an "apples-to-apples" comparison.

Recommended threshold for retail projects: A net increase in total VMT may indicate a significant transportation impact.

Because new retail development typically redistributes shopping trips rather than creating new trips,[30] estimating the total change in VMT (i.e., the difference in total VMT in the area affected with and without the project) is the best way to analyze a retail project's transportation impacts.

By adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Thus, lead agencies generally may presume such development creates a less-than-significant transportation impact. Regional-serving retail development, on the other hand, which can lead to substitution of longer trips for shorter ones, may tend to have a significant impact. Where such development decreases VMT, lead agencies should consider the impact to be less-than-significant.

Many cities and counties define local-serving and regional-serving retail in their zoning codes. Lead agencies may refer to those local definitions when available, but should also consider any project-

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[29] See Appendix 1 for a description of these approaches.
[30] Lovejoy, et al. (2013) *Measuring the impacts of local land-use policies on vehicle miles of travel: The case of the first big-box store in Davis, California, The Journal of Transport and Land Use*.

specific information, such as market studies or economic impacts analyses that might bear on customers' travel behavior. Because lead agencies will best understand their own communities and the likely travel behaviors of future project users, they are likely in the best position to decide when a project will likely be local-serving. Generally, however, retail development including stores larger than 50,000 square feet might be considered regional-serving, and so lead agencies should undertake an analysis to determine whether the project might increase or decrease VMT.

Mixed-Use Projects

Lead agencies can evaluate each component of a mixed-use project independently and apply the significance threshold for each project type included (e.g., residential and retail). Alternatively, a lead agency may consider only the project's dominant use. In the analysis of each use, a project should take credit for internal capture. Combining different land uses and applying one threshold to those land uses may result in an inaccurate impact assessment.

Other Project Types

Of land use projects, residential, office, and retail projects tend to have the greatest influence on VMT. For that reason, OPR recommends the quantified thresholds described above for purposes of analysis and mitigation. Lead agencies, using more location-specific information, may develop their own more specific thresholds, which may include other land use types. In developing thresholds for other project types, or thresholds different from those recommended here, lead agencies should consider the purposes described in section 21099 of the Public Resources Code and regulations in the CEQA Guidelines on the development of thresholds of significance (e.g., CEQA Guidelines, § 15064.7).

Strategies and projects that decrease local VMT but increase total VMT should be avoided. Agencies should consider whether their actions encourage development in a less travel-efficient location by limiting development in travel-efficient locations.

Redevelopment Projects

Where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.

As described above, a project or plan near transit which replaces affordable[31] residential units with a smaller number of moderate- or high-income residential units may increase overall VMT, because

[31] Including naturally-occurring affordable residential units.

displaced residents' VMT may increase.[32] A lead agency should analyze VMT for such a project even if it otherwise would have been presumed less than significant. The assessment should incorporate an estimate of the aggregate VMT increase experienced by displaced residents. That additional VMT should be included in the numerator of the VMT per capita assessed for the project.

If a residential or office project leads to a net increase in VMT, then the project's VMT per capita (residential) or per employee (office) should be compared to thresholds recommended above. Per capita and per employee VMT are efficiency metrics, and, as such, apply only to the existing project without regard to the VMT generated by the previously existing land use.

If the project leads to a net increase in provision of locally-serving retail, transportation impacts from the retail portion of the development should be presumed to be less than significant. If the project consists of regionally-serving retail, and increases overall VMT compared to with existing uses, then the project would lead to a significant transportation impact.

RTP/SCS Consistency (All Land Use Projects)

Section 15125, subdivision (d), of the CEQA Guidelines provides that lead agencies should analyze impacts resulting from inconsistencies with regional plans, including regional transportation plans. For this reason, if a project is inconsistent with the Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS), the lead agency should evaluate whether that inconsistency indicates a significant impact on transportation. For example, a development may be inconsistent with an RTP/SCS if the development is outside the footprint of development or within an area specified as open space as shown in the SCS.

3. Recommendations Regarding Land Use Plans

As with projects, agencies should analyze VMT outcomes of land use plans across the full area over which the plan may substantively affect travel patterns, including beyond the boundary of the plan or jurisdiction's geography. And as with projects, VMT should be counted in full rather than split between origin and destination. (Emissions inventories have sometimes spit cross-boundary trips in order to sum to a regional total, but CEQA requires accounting for the full impact without truncation or discounting). Analysis of specific plans may employ the same thresholds described above for projects. A general plan, area plan, or community plan may have a significant impact on transportation if proposed new residential, office, or retail land uses would in aggregate exceed the respective thresholds recommended above. Where the lead agency tiers from a general plan EIR pursuant to CEQA Guidelines sections 15152 and 15166, the lead agency generally focuses on the environmental impacts that are specific to the later project and were not analyzed as significant impacts in the prior EIR. (Pub. Resources Code, § 21068.5; Guidelines, § 15152, subd. (a).) Thus, in analyzing the later project, the lead agency

[32] Chapple et al. (2017) *Developing a New Methodology for Analyzing Potential Displacement,* Chapter 4, pp. 159-160, available at https://www.arb.ca.gov/research/apr/past/13-310.pdf.

would focus on the VMT impacts that were not adequately addressed in the prior EIR. In the tiered document, the lead agency should continue to apply the thresholds recommended above.

Thresholds for plans in non-MPO areas may be determined on a case-by-case basis.

4. Other Considerations

Rural Projects Outside of MPOs

In rural areas of non-MPO counties (i.e., areas not near established or incorporated cities or towns), fewer options may be available for reducing VMT, and significance thresholds may be best determined on a case-by-case basis. Note, however, that clustered small towns and small town main streets may have substantial VMT benefits compared to isolated rural development, similar to the transit oriented development described above.

Impacts to Transit

Because criteria for determining the significance of transportation impacts must promote "the development of multimodal transportation networks" pursuant to Public Resources Code section 21099, subd. (b)(1), lead agencies should consider project impacts to transit systems and bicycle and pedestrian networks. For example, a project that blocks access to a transit stop or blocks a transit route itself may interfere with transit functions. Lead agencies should consult with transit agencies as early as possible in the development process, particularly for projects that are located within one half mile of transit stops.

When evaluating impacts to multimodal transportation networks, lead agencies generally should not treat the addition of new transit users as an adverse impact. An infill development may add riders to transit systems and the additional boarding and alighting may slow transit vehicles, but it also adds destinations, improving proximity and accessibility. Such development also improves regional vehicle flow by adding less vehicle travel onto the regional network.

Increased demand throughout a region may, however, cause a cumulative impact by requiring new or additional transit infrastructure. Such impacts may be adequately addressed through a fee program that fairly allocates the cost of improvements not just to projects that happen to locate near transit, but rather across a region to all projects that impose burdens on the entire transportation system, since transit can broadly improve the function of the transportation system.

F. Considering the Effects of Transportation Projects on Vehicle Travel

Many transportation projects change travel patterns. A transportation project which leads to additional vehicle travel on the roadway network, commonly referred to as "induced vehicle travel," would need to quantify the amount of additional vehicle travel in order to assess air quality impacts, greenhouse gas emissions impacts, energy impacts, and noise impacts. Transportation projects also are required to examine induced growth impacts under CEQA. (See generally, Pub. Resources Code, §§ 21065 [defining "project" under CEQA as an activity as causing either a direct or reasonably foreseeable indirect physical change], 21065.3 [defining "project-specific effect" to mean all direct or indirect environmental effects], 21100, subd. (b) [required contents of an EIR].) For any project that increases vehicle travel, explicit assessment and quantitative reporting of the amount of additional vehicle travel should not be omitted from the document; such information may be useful and necessary for a full understanding of a project's environmental impacts. (See Pub. Resources Code, §§ 21000, 21001, 21001.1, 21002, 21002.1 [discussing the policies of CEQA].) A lead agency that uses the VMT metric to assess the transportation impacts of a transportation project may simply report that change in VMT as the impact. When the lead agency uses another metric to analyze the transportation impacts of a roadway project, changes in amount of vehicle travel added to the roadway network should still be analyzed and reported.[33]

While CEQA does not require perfection, it is important to make a reasonably accurate estimate of transportation projects' effects on vehicle travel in order to make reasonably accurate estimates of GHG emissions, air quality emissions, energy impacts, and noise impacts. (See, e.g., *California Clean Energy Com. v. City of Woodland* (2014) 225 Cal.App.4th 173, 210 [EIR failed to consider project's transportation energy impacts]; *Ukiah Citizens for Safety First v. City of Ukiah* (2016) 248 Cal.App.4th 256, 266.) Appendix 2 describes in detail the causes of induced vehicle travel, the robust empirical evidence of induced vehicle travel, and how models and research can be used in conjunction to quantitatively assess induced vehicle travel with reasonable accuracy.

If a project would likely lead to a measurable and substantial increase in vehicle travel, the lead agency should conduct an analysis assessing the amount of vehicle travel the project will induce. Project types that would likely lead to a measurable and substantial increase in vehicle travel generally include:

- Addition of through lanes on existing or new highways, including general purpose lanes, HOV lanes, peak period lanes, auxiliary lanes, or lanes through grade-separated interchanges

Projects that would not likely lead to a substantial or measurable increase in vehicle travel, and therefore generally should not require an induced travel analysis, include:

- Rehabilitation, maintenance, replacement, safety, and repair projects designed to improve the condition of existing transportation assets (e.g., highways; roadways; bridges; culverts; Transportation Management System field elements such as cameras, message signs, detection, or signals; tunnels; transit systems; and assets that serve bicycle and pedestrian facilities) and that do not add additional motor vehicle capacity
- Roadside safety devices or hardware installation such as median barriers and guardrails

[33] See, e.g., California Department of Transportation (2006) *Guidance for Preparers of Growth-related, Indirect Impact Analyses*, available at http://www.dot.ca.gov/ser/Growth-related_IndirectImpactAnalysis/GRI_guidance06May_files/gri_guidance.pdf.

- Roadway shoulder enhancements to provide “breakdown space,” dedicated space for use only by transit vehicles, to provide bicycle access, or to otherwise improve safety, but which will not be used as automobile vehicle travel lanes
- Addition of an auxiliary lane of less than one mile in length designed to improve roadway safety
- Installation, removal, or reconfiguration of traffic lanes that are not for through traffic, such as left, right, and U-turn pockets, two-way left turn lanes, or emergency breakdown lanes that are not utilized as through lanes
- Addition of roadway capacity on local or collector streets provided the project also substantially improves conditions for pedestrians, cyclists, and, if applicable, transit
- Conversion of existing general purpose lanes (including ramps) to managed lanes or transit lanes, or changing lane management in a manner that would not substantially increase vehicle travel
- Addition of a new lane that is permanently restricted to use only by transit vehicles
- Reduction in number of through lanes
- Grade separation to separate vehicles from rail, transit, pedestrians or bicycles, or to replace a lane in order to separate preferential vehicles (e.g., HOV, HOT, or trucks) from general vehicles
- Installation, removal, or reconfiguration of traffic control devices, including Transit Signal Priority (TSP) features
- Installation of traffic metering systems, detection systems, cameras, changeable message signs and other electronics designed to optimize vehicle, bicycle, or pedestrian flow
- Timing of signals to optimize vehicle, bicycle, or pedestrian flow
- Installation of roundabouts or traffic circles
- Installation or reconfiguration of traffic calming devices
- Adoption of or increase in tolls
- Addition of tolled lanes, where tolls are sufficient to mitigate VMT increase
- Initiation of new transit service
- Conversion of streets from one-way to two-way operation with no net increase in number of traffic lanes
- Removal or relocation of off-street or on-street parking spaces
- Adoption or modification of on-street parking or loading restrictions (including meters, time limits, accessible spaces, and preferential/reserved parking permit programs)
- Addition of traffic wayfinding signage
- Rehabilitation and maintenance projects that do not add motor vehicle capacity
- Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way
- Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve non-motorized travel
- Installation of publicly available alternative fuel/charging infrastructure
- Addition of passing lanes, truck climbing lanes, or truck brake-check lanes in rural areas that do not increase overall vehicle capacity along the corridor

1. Recommended Significance Threshold for Transportation Projects

As noted in Section 15064.3 of the CEQA Guidelines, lead agencies for roadway capacity projects have discretion, consistent with CEQA and planning requirements, to choose which metric to use to evaluate transportation impacts. This section recommends considerations for evaluating impacts using vehicle miles traveled. Lead agencies have discretion to choose a threshold of significance for transportation projects as they do for other types of projects. As explained above, Public Resources Code section 21099, subdivision (b)(1), provides that criteria for determining the significance of transportation impacts must promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. (*Id.;* see generally, adopted CEQA Guidelines, § 15064.3, subd. (b) [Criteria for Analyzing Transportation Impacts].) With those goals in mind, OPR prepared and the Agency adopted an appropriate transportation metric.

Whether adopting a threshold of significance, or evaluating transportation impacts on a case-by-case basis, a lead agency should ensure that the analysis addresses:

- Direct, indirect and cumulative effects of the transportation project (CEQA Guidelines, § 15064, subds. (d), (h))
- Near-term and long-term effects of the transportation project (CEQA Guidelines, §§ 15063, subd. (a)(1), 15126.2, subd. (a))
- The transportation project's consistency with state greenhouse gas reduction goals (Pub. Resources Code, § 21099)[34]
- The impact of the transportation project on the development of multimodal transportation networks (Pub. Resources Code, § 21099)
- The impact of the transportation project on the development of a diversity of land uses (Pub. Resources Code, § 21099)

The CARB Scoping Plan and the CARB Mobile Source Strategy delineate VMT levels required to achieve legally mandated GHG emissions reduction targets. A lead agency should develop a project-level threshold based on those VMT levels, and may apply the following approach:

1. Propose a fair-share allocation of those budgets to their jurisdiction (e.g., by population);

[34] The California Air Resources Board has ascertained the limits of VMT growth compatible with California containing greenhouse gas emissions to levels research shows would allow for climate stabilization. (See *The 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target* (p. 78, p. 101); *Mobile Source Strategy* (p. 37).) CARB's *Updated Final Staff Report on Proposed Update to the SB 375 Greenhouse Gas Emission Reduction Targets* illustrates that the current Regional Transportation Plans and Sustainable Communities Strategies will fall short of achieving the necessary on-road transportation-related GHG emissions reductions called for in the 2017 Scoping Plan (Figure 3, p. 35). Accordingly, OPR recommends not basing GHG emissions or transportation impact analysis for a transportation project solely on consistency with an RTP/SCS.

2. Determine the amount of VMT growth likely to result from background population growth, and subtract that from their "budget";
3. Allocate their jurisdiction's share between their various VMT-increasing transportation projects, using whatever criteria the lead agency prefers.

2. Estimating VMT Impacts from Transportation Projects

CEQA requires analysis of a project's potential growth-inducing impacts. (Pub. Resources Code, § 21100, subd. (b)(5); CEQA Guidelines, § 15126.2, subd. (d).) Many agencies are familiar with the analysis of growth inducing impacts associated with water, sewer, and other infrastructure. This technical advisory addresses growth that may be expected from roadway expansion projects.

Because a roadway expansion project can induce substantial VMT, incorporating quantitative estimates of induced VMT is critical to calculating both transportation and other impacts of these projects. Induced travel also has the potential to reduce or eliminate congestion relief benefits. An accurate estimate of induced travel is needed to accurately weigh costs and benefits of a highway capacity expansion project.

The effect of a transportation project on vehicle travel should be estimated using the "change in total VMT" method described in *Appendix 1*. This means that an assessment of total VMT without the project and an assessment with the project should be made; the difference between the two is the amount of VMT attributable to the project. The assessment should cover the full area in which driving patterns are expected to change. As with other types of projects, the VMT estimation should not be truncated at a modeling or jurisdictional boundary for convenience of analysis when travel behavior is substantially affected beyond that boundary.

Transit and Active Transportation Projects

Transit and active transportation projects generally reduce VMT and therefore are presumed to cause a less-than-significant impact on transportation. This presumption may apply to all passenger rail projects, bus and bus rapid transit projects, and bicycle and pedestrian infrastructure projects. Streamlining transit and active transportation projects aligns with each of the three statutory goals contained in SB 743 by reducing GHG emissions, increasing multimodal transportation networks, and facilitating mixed use development.

Roadway Projects

Reducing roadway capacity (for example, by removing or repurposing motor vehicle travel lanes) will generally reduce VMT and therefore is presumed to cause a less-than-significant impact on transportation. Generally, no transportation analysis is needed for such projects.

Building new roadways, adding roadway capacity in congested areas, or adding roadway capacity to areas where congestion is expected in the future, typically induces additional vehicle travel. For the types of projects previously indicated as likely to lead to additional vehicle travel, an estimate should be made of the change in vehicle travel resulting from the project.

For projects that increase roadway capacity, lead agencies can evaluate induced travel quantitatively by applying the results of existing studies that examine the magnitude of the increase of VMT resulting from a given increase in lane miles. These studies estimate the percent change in VMT for every percent change in miles to the roadway system (i.e., "elasticity").[35] Given that lead agencies have discretion in choosing their methodology, and the studies on induced travel reveal a range of elasticities, lead agencies may appropriately apply professional judgment in studying the transportation effects of a particular project. The most recent major study, estimates an elasticity of 1.0, meaning that every percent change in lane miles results in a one percent increase in VMT.[36]

To estimate VMT impacts from roadway expansion projects:

1. Determine the total lane-miles over an area that fully captures travel behavior changes resulting from the project (generally the region, but for projects affecting interregional travel look at all affected regions).
2. Determine the percent change in total lane miles that will result from the project.
3. Determine the total existing VMT over that same area.
4. Multiply the percent increase in lane miles by the existing VMT, and then multiply that by the elasticity from the induced travel literature:

[% increase in lane miles] x [existing VMT] x [elasticity] = [VMT resulting from the project]

A National Center for Sustainable Transportation tool can be used to apply this method: https://ncst.ucdavis.edu/research/tools

This method would not be suitable for rural (non-MPO) locations in the state which are neither congested nor projected to become congested. It also may not be suitable for a new road that provides new connectivity across a barrier (e.g., a bridge across a river) if it would be expected to substantially

[35] See U.C. Davis, Institute for Transportation Studies (Oct. 2015) *Increasing Highway Capacity Unlikely to Relieve Traffic Congestion*; Boarnet and Handy (Sept. 2014) *Impact of Highway Capacity and Induced Travel on Passenger Vehicle Use and Greenhouse Gas Emissions*, California Air Resources Board Policy Brief, available at https://www.arb.ca.gov/cc/sb375/policies/hwycapacity/highway_capacity_brief.pdf.
[36] See Duranton and Turner (2011) *The Fundamental Law of Road Congestion: Evidence from US cities*, available at http://www.nber.org/papers/w15376.

shorten existing trips. If it is likely to be substantial, the trips-shortening effect should be examined explicitly.

The effects of roadway capacity on vehicle travel can also be applied at a programmatic level. For example, in a regional planning process the lead agency can use that program-level analysis to streamline later project-level analysis. (See CEQA Guidelines, § 15168.) A program-level analysis of VMT should include effects of the program on land use patterns, and the VMT that results from those land use effects. In order for a program-level document to adequately analyze potential induced demand from a project or program of roadway capacity expansion, lead agencies cannot assume a fixed land use pattern (i.e., a land use pattern that does not vary in response to the provision of roadway capacity). A proper analysis should account for land use investment and development pattern changes that react in a reasonable manner to changes in accessibility created by transportation infrastructure investments (whether at the project or program level).

Mitigation and Alternatives

Induced VMT has the potential to reduce or eliminate congestion relief benefits, increase VMT, and increase other environmental impacts that result from vehicle travel.[37] If those effects are significant, the lead agency will need to consider mitigation or alternatives. In the context of increased travel that is induced by capacity increases, appropriate mitigation and alternatives that a lead agency might consider include the following:

- Tolling new lanes to encourage carpools and fund transit improvements
- Converting existing general purpose lanes to HOV or HOT lanes
- Implementing or funding off-site travel demand management
- Implementing Intelligent Transportation Systems (ITS) strategies to improve passenger throughput on existing lanes

Tolling and other management strategies can have the additional benefit of preventing congestion and maintaining free-flow conditions, conferring substantial benefits to road users as discussed above.

G. Analyzing Other Impacts Related to Transportation

While requiring a change in the methodology of assessing transportation impacts, Public Resources Code section 21099 notes that this change “does not relieve a public agency of the requirement to analyze a project’s potentially significant transportation impacts related to air quality, noise, safety, or any other impact associated with transportation.” OPR expects that lead agencies will continue to

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[37] See National Center for Sustainable Transportation (Oct. 2015) *Increasing Highway Capacity Unlikely to Relieve Traffic Congestion*, available at http://www.dot.ca.gov/newtech/researchreports/reports/2015/10-12-2015-NCST_Brief_InducedTravel_CS6_v3.pdf; see Duranton and Turner (2011) *The Fundamental Law of Road Congestion: Evidence from US cities*, available at http://www.nber.org/papers/w15376.

address mobile source emissions in the air quality and noise sections of an environmental document and the corresponding studies that support the analysis in those sections. Lead agencies should continue to address environmental impacts of a proposed project pursuant to CEQA's requirements, using a format that is appropriate for their particular project.

Because safety concerns result from many different factors, they are best addressed at a programmatic level (i.e., in a general plan or regional transportation plan) in cooperation with local governments, metropolitan planning organizations, and, where the state highway system is involved, the California Department of Transportation. In most cases, such an analysis would not be appropriate on a project-by-project basis. Increases in traffic volumes at a particular location resulting from a project typically cannot be estimated with sufficient accuracy or precision to provide useful information for an analysis of safety concerns. Moreover, an array of factors affect travel demand (e.g., strength of the local economy, price of gasoline), causing substantial additional uncertainty. Appendix B of OPR's General Plan Guidelines summarizes research which could be used to guide a programmatic analysis under CEQA. Lead agencies should note that automobile congestion or delay does not constitute a significant environmental impact (Pub. Resources Code, §21099(b)(2)), and safety should not be used as a proxy for road capacity.

H. VMT Mitigation and Alternatives

When a lead agency identifies a significant impact, it must identify feasible mitigation measures that could avoid or substantially reduce that impact. (Pub. Resources Code, § 21002.1, subd. (a).) Additionally, CEQA requires that an environmental impact report identify feasible alternatives that could avoid or substantially reduce a project's significant environmental impacts.

Indeed, the California Court of Appeal recently held that a long-term regional transportation plan was deficient for failing to discuss an alternative which could significantly reduce total vehicle miles traveled. In *Cleveland National Forest Foundation v. San Diego Association of Governments, et al.* (2017) 17 Cal.App.5th 413, the court found that omission "inexplicable" given the lead agency's "acknowledgment in its Climate Action Strategy that the state's efforts to reduce greenhouse gas emissions from on-road transportation will not succeed if the amount of driving, or vehicle miles traveled, is not significantly reduced." (*Cleveland National Forest Foundation*, *supra*, 17 Cal.App.5th at p. 436.) Additionally, the court noted that the project alternatives focused primarily on congestion relief even though "the [regional] transportation plan is a long-term and congestion relief is not necessarily an effective long-term strategy." (*Id.* at p. 437.) The court concluded its discussion of the alternatives analysis by stating: "Given the acknowledged long-term drawbacks of congestion relief alternatives, there is not substantial evidence to support the EIR's exclusion of an alternative focused primarily on significantly reducing vehicle trips." (*Ibid*.)

Several examples of potential mitigation measures and alternatives to reduce VMT are described below. However, the selection of particular mitigation measures and alternatives are left to the discretion of the lead agency, and mitigation measures may vary, depending on the proposed project and significant impacts, if any. Further, OPR expects that agencies will continue to innovate and find new ways to reduce vehicular travel.

Potential measures to reduce vehicle miles traveled include, but are not limited to:

- Improve or increase access to transit.
- Increase access to common goods and services, such as groceries, schools, and daycare.
- Incorporate affordable housing into the project.
- Incorporate neighborhood electric vehicle network.
- Orient the project toward transit, bicycle and pedestrian facilities.
- Improve pedestrian or bicycle networks, or transit service.
- Provide traffic calming.
- Provide bicycle parking.
- Limit or eliminate parking supply.
- Unbundle parking costs.
- Provide parking cash-out programs.
- Implement roadway pricing.
- Implement or provide access to a commute reduction program.
- Provide car-sharing, bike sharing, and ride-sharing programs.
- Provide transit passes.
- Shifting single occupancy vehicle trips to carpooling or vanpooling, for example providing ride-matching services.
- Providing telework options.
- Providing incentives or subsidies that increase the use of modes other than single-occupancy vehicle.
- Providing on-site amenities at places of work, such as priority parking for carpools and vanpools, secure bike parking, and showers and locker rooms.
- Providing employee transportation coordinators at employment sites.
- Providing a guaranteed ride home service to users of non-auto modes.

Notably, because VMT is largely a regional impact, regional VMT-reduction programs may be an appropriate form of mitigation. In lieu fees have been found to be valid mitigation where there is both a commitment to pay fees and evidence that mitigation will actually occur. (*Save Our Peninsula Committee v. Monterey County Bd. of Supervisors* (2001) 87 Cal.App.4th 99, 140-141; *Gentry v. City of Murrieta* (1995) 36 Cal.App.4th 1359; *Kings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 692, 727–728.) Fee programs are particularly useful to address cumulative impacts. (CEQA Guidelines, § 15130, subd. (a)(3) [a "project's incremental contribution is less than cumulatively considerable if the project is required to implement or fund its fair share of a mitigation measure or measures designed to alleviate the cumulative impact"].) The mitigation program must undergo CEQA evaluation, either on the program as a whole, or the in-lieu fees or other mitigation must be evaluated on a project-specific basis. (*California Native Plant Society v. County of El Dorado* (2009) 170 Cal.App.4th 1026.) That CEQA evaluation could be part of a larger program, such as a regional transportation plan, analyzed in a Program EIR. (CEQA Guidelines, § 15168.)

Examples of project alternatives that may reduce vehicle miles traveled include, but are not limited to:

- Locate the project in an area of the region that already exhibits low VMT.
- Locate the project near transit.
- Increase project density.
- Increase the mix of uses within the project or within the project’s surroundings.
- Increase connectivity and/or intersection density on the project site.
- Deploy management strategies (e.g., pricing, vehicle occupancy requirements) on roadways or roadway lanes.

Appendix 1. Considerations About Which VMT to Count

Consistent with the obligation to make a good faith effort to disclose the environmental consequences of a project, lead agencies have discretion to choose the most appropriate methodology to evaluate project impacts.[38] A lead agency can evaluate a project's effect on VMT in numerous ways. The purpose of this document is to provide technical considerations in determining which methodology may be most useful for various project types.

Background on Estimating Vehicle Miles Traveled

Before discussing specific methodological recommendations, this section provides a brief overview of modeling and counting VMT, including some key terminology.

Here is an illustrative example of some methods of estimating vehicle miles traveled. Consider the following hypothetical travel day (all by automobile):

1. Residence to Coffee Shop
2. Coffee Shop to Work
3. Work to Sandwich Shop
4. Sandwich Shop to Work
5. Work to Residence
6. Residence to Store
7. Store to Residence

Trip-based assessment of a project's effect on travel behavior counts VMT from individual trips to and from the project. It is the most basic, and traditionally the most common, method of counting VMT. A trip-based VMT assessment of the residence in the above example would consider segments 1, 5, 6 and 7. For residential projects, the sum of home-based trips is called *home-based* VMT.

A *tour-based* assessment counts the entire home-back-to-home tour that includes the project. A tour-based VMT assessment of the residence in the above example would consider segments 1, 2, 3, 4, and 5 in one tour, and 6 and 7 in a second tour. A tour-based assessment of the workplace would include segments 1, 2, 3, 4, and 5. Together, all tours comprise *household* VMT.

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[38] The California Supreme Court has explained that when an agency has prepared an environmental impact report:

> [T]he issue is not whether the [lead agency's] studies are irrefutable or whether they could have been better. The relevant issue is only whether the studies are sufficiently credible to be considered as part of the total evidence that supports the [lead agency's] finding[.]

(*Laurel Heights Improvement Assn. v. Regents of the University of California* (1988) 47 Cal.3d 376, 409; see also *Eureka Citizens for Responsible Gov't v. City of Eureka* (2007) 147 Cal.App.4th 357, 372.)

Both trip- and tour-based assessments can be used as measures of transportation efficiency, using denominators such as per capita, per employee, or per person-trip.

Trip- and Tour-based Assessment of VMT

As illustrated above, a tour-based assessment of VMT is a more complete characterization of a project's effect on VMT. In many cases, a project affects travel behavior beyond the first destination. The location and characteristics of the home and workplace will often be the main drivers of VMT. For example, a residential or office development located near high quality transit will likely lead to some commute trips utilizing transit, affecting mode choice on the rest of the tour.

Characteristics of an office project can also affect an employee's VMT beyond the work tour. For example, a workplace located at the urban periphery, far from transit, can require an employee to own a car, which in turn affects the entirety of an employee's travel behavior and VMT. For this reason, when estimating the effect of an office development on VMT, it may be appropriate to consider total employee VMT if data and tools, such as tour-based models, are available. This is consistent with CEQA's requirement to evaluate both direct and *indirect* effects of a project. (See CEQA Guidelines, § 15064, subd. (d)(2).)

Assessing Change in Total VMT

A third method, estimating the *change in total VMT* with and without the project, can evaluate whether a project is likely to divert existing trips, and what the effect of those diversions will be on total VMT. This method answers the question, "What is the net effect of the project on area VMT?" As an illustration, assessing the total change in VMT for a grocery store built in a food desert that diverts trips from more distant stores could reveal a net VMT reduction. The analysis should address the full area over which the project affects travel behavior, even if the effect on travel behavior crosses political boundaries.

Using Models to Estimate VMT

Travel demand models, sketch models, spreadsheet models, research, and data can all be used to calculate and estimate VMT (see Appendix F of the preliminary discussion draft). To the extent possible, lead agencies should choose models that have sensitivity to features of the project that affect VMT. Those tools and resources can also assist in establishing thresholds of significance and estimating VMT reduction attributable to mitigation measures and project alternatives. When using models and tools for those various purposes, agencies should use comparable data and methods, in order to set up an "apples-to-apples" comparison between thresholds, VMT estimates, and VMT mitigation estimates.

Models can work together. For example, agencies can use travel demand models or survey data to estimate existing trip lengths and input those into sketch models such as CalEEMod to achieve more accurate results. Whenever possible, agencies should input localized trip lengths into a sketch model to tailor the analysis to the project location. However, in doing so, agencies should be careful to avoid double counting if the sketch model includes other inputs or toggles that are proxies for trip length (e.g., distance to city center). Generally, if an agency changes any sketch model defaults, it should record and report those changes for transparency of analysis. Again, trip length data should come from the same source as data used to calculate thresholds to be sure of an "apples-to-apples" comparison.

Additional background information regarding travel demand models is available in the California Transportation Commission's "2010 Regional Transportation Plan Guidelines," beginning at page 35.

Appendix 2. Induced Travel: Mechanisms, Research, and Additional Assessment Approaches

Induced travel occurs where roadway capacity is expanded in an area of present or projected future congestion. The effect typically manifests over several years. Lower travel times make the modified facility more attractive to travelers, resulting in the following trip-making changes:

- **Longer trips.** The ability to travel a long distance in a shorter time increases the attractiveness of destinations that are farther away, increasing trip length and vehicle travel.
- **Changes in mode choice.** When transportation investments are devoted to reducing automobile travel time, travelers tend to shift toward automobile use from other modes, which increases vehicle travel.
- **Route changes.** Faster travel times on a route attract more drivers to that route from other routes, which can increase or decrease vehicle travel depending on whether it shortens or lengthens trips.
- **Newly generated trips.** Increasing travel speeds can induce additional trips, which increases vehicle travel. For example, an individual who previously telecommuted or purchased goods on the internet might choose to accomplish those tasks via automobile trips as a result of increased speeds.
- **Land Use Changes.** Faster travel times along a corridor lead to land development farther along that corridor; that new development generates and attracts longer trips, which increases vehicle travel. Over several years, this induced growth component of induced vehicle travel can be substantial, making it critical to include in analyses.

Each of these effects has implications for the total amount of vehicle travel. These effects operate over different time scales. For example, changes in mode choice might occur immediately, while land use changes typically take a few years or longer. CEQA requires lead agencies to analyze both short-term and long-term effects.

Evidence of Induced Vehicle Travel. A large number of peer reviewed studies[39] have demonstrated a causal link between highway capacity increases and VMT increases. Many provide quantitative estimates of the magnitude of the induced VMT phenomenon. Collectively, they provide high quality evidence of the existence and magnitude of the induced travel effect.

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[39] See, e.g., Boarnet and Handy (Sept. 2014) Impact of Highway Capacity and Induced Travel on Passenger Vehicle Use and Greenhouse Gas Emissions, California Air Resources Board Policy Brief, available at https://www.arb.ca.gov/cc/sb375/policies/hwycapacity/highway_capacity_brief.pdf; National Center for Sustainable Transportation (Oct. 2015) *Increasing Highway Capacity Unlikely to Relieve Traffic Congestion*, available at http://www.dot.ca.gov/research/researchreports/reports/2015/10-12-2015-NCST_Brief_InducedTravel_CS6_v3.pdf.

Most of these studies express the amount of induced vehicle travel as an "elasticity," which is a multiplier that describes the additional vehicle travel resulting from an additional lane mile of roadway capacity added. For example, an elasticity of 0.6 would signify an 0.6 percent increase in vehicle travel for every 1.0 percent increase in lane miles. Many of these studies distinguish "short run elasticity" (increase in vehicle travel in the first few years) from "long run elasticity" (increase in vehicle travel beyond the first few years). Long run elasticity is larger than short run elasticity, because as time passes, more of the components of induced vehicle travel materialize. Generally, short run elasticity can be thought of as excluding the effects of land use change, while long run elasticity includes them. Most studies find a long run elasticity between 0.6 and just over 1.0,[40] meaning that every increase in lanes miles of one percent leads to an increase in vehicle travel of 0.6 to 1.0 percent. The most recent major study finds the elasticity of vehicle travel by lanes miles added to be 1.03; in other words, each percent increase in lane miles results in a 1.03 percent increase in vehicle travel.[41] (An elasticity greater than 1.0 can occur because new lanes induce vehicle travel that spills beyond the project location.) In CEQA analysis, the long-run elasticity should be used, as it captures the full effect of the project rather than just the early-stage effect.

Quantifying Induced Vehicle Travel Using Models. Lead agencies can generally achieve the most accurate assessment of induced vehicle travel resulting from roadway capacity increasing projects by applying elasticities from the academic literature, because those estimates include vehicle travel resulting from induced land use. If a lead agency chooses to use a travel demand model, additional analysis would be needed to account for induced land use. This section describes some approaches to undertaking that additional analysis.

Proper use of a travel demand model can capture the following components of induced VMT:

- Trip length (generally increases VMT)
- Mode shift (generally shifts from other modes toward automobile use, increasing VMT)
- Route changes (can act to increase or decrease VMT)
- Newly generated trips (generally increases VMT)
    - Note that not all travel demand models have sensitivity to this factor, so an off-model estimate may be necessary if this effect could be substantial.

However, estimating long-run induced VMT also requires an estimate of the project's effects on land use. This component of the analysis is important because it has the potential to be a large component of

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[40] See Boarnet and Handy (Sept. 2014) *Impact of Highway Capacity and Induced Travel on Passenger Vehicle Use and Greenhouse Gas Emissions*, California Air Resources Board Policy Brief, p. 2, available at https://www.arb.ca.gov/cc/sb375/policies/hwycapacity/highway_capacity_brief.pdf.

[41] Duranton and Turner (2011) *The Fundamental Law of Road Congestion: Evidence from US cities*, available at http://www.nber.org/papers/w15376.

the overall induced travel effect. Options for estimating and incorporating the VMT effects that are caused by the subsequent land use changes include:

1. *Employ an expert panel.* An expert panel could assess changes to land use development that would likely result from the project. This assessment could then be analyzed by the travel demand model to assess effects on vehicle travel. Induced vehicle travel assessed via this approach should be verified using elasticities found in the academic literature.
2. *Adjust model results to align with the empirical research.* If the travel demand model analysis is performed without incorporating projected land use changes resulting from the project, the assessed vehicle travel should be adjusted upward to account for those land use changes. The assessed VMT after adjustment should fall within the range found in the academic literature.
3. *Employ a land use model, running it iteratively with a travel demand model.* A land use model can be used to estimate the land use effects of a roadway capacity increase, and the traffic patterns that result from the land use change can then be fed back into the travel demand model. The land use model and travel demand model can be iterated to produce an accurate result.

A project which provides new connectivity across a barrier, such as a new bridge across a river, may provide a shortened path between existing origins and destinations, thereby shortening existing trips. In rare cases, this trip-shortening effect might be substantial enough to reduce the amount of vehicle travel resulting from the project below the range found in the elasticities in the academic literature, or even lead a net reduction in vehicle travel overall. In such cases, the trip-shortening effect could be examined explicitly.

Whenever employing a travel demand model to assess induced vehicle travel, any limitation or known lack of sensitivity in the analysis that might cause substantial errors in the VMT estimate (for example, model insensitivity to one of the components of induced VMT described above) should be disclosed and characterized, and a description should be provided on how it could influence the analysis results. A discussion of the potential error or bias should be carried into analyses that rely on the VMT analysis, such as greenhouse gas emissions, air quality, energy, and noise.

ATTACHMENT B

City of Santa Monica List of Transportation Projects Exempt from VMT Analysis

List of Transportation Projects Exempt from CEQA VMT Analysis

- Rehabilitation, maintenance, replacement, safety, and repair projects designed to improve the condition of existing transportation assets (e.g., highways; roadways; bridges; culverts; Transportation Management System field elements such as cameras, message signs, detection or signals; tunnels; transit systems; and assets that serve bicycle and pedestrian facilities) and that do not add additional motor vehicle capacity
- Roadside safety devices or hardware installation such as median barriers and guardrails
- Roadway shoulder enhancements to provide “breakdown space,” dedicated space for use only by transit vehicles, to provide bicycle access, or to otherwise improve safety, but which will not be used as automobile vehicle travel lanes
- Addition of an auxiliary lane of less than one mile in length designed to improve roadway safety
- Installation, removal, or reconfiguration of traffic lanes that are not for through traffic, such as left, right, and U-turn pockets, two-way left turn lanes, or emergency breakdown lanes that are not utilized as through lanes
- Conversion of existing general purpose lanes (including ramps) to managed lanes or transit lanes, or changing lane management in a manner that would not substantially increase vehicle travel
- Addition of a new lane that is permanently restricted to use only by transit vehicles
- Reduction in number of through lanes
- Grade separation to separate vehicles from rail, transit, pedestrians or bicycles, or to replace a lane in order to separate preferential vehicles (e.g., HOV, HOT, or trucks) from general vehicles
- Installation, removal, or reconfiguration of traffic control devices, including Transit Signal Priority (TSP) features
- Installation of traffic metering systems, detection systems, cameras, changeable message signs and other electronics designed to optimize vehicle, bicycle, or pedestrian flow
- Timing of signals to optimize vehicle, bicycle, or pedestrian flow
- Installation of crosswalks, with or without vehicle yield compliance enhancements such as rapid rectangular flashing beacons or overhead lights
- Installation of roundabouts or traffic circles
- Installation of pedestrian scrambles at existing intersections
- Installation or reconfiguration of traffic calming devices
- Adoption of or increase in tolls
- Initiation of new transit service
- Conversion of streets from one-way to two-way operation with no net increase in number of traffic lanes
- Removal or relocation of off-street or on-street parking spaces (unless the removal or relocation of spaces results in the creation of a new SOV through travel lane – turning pockets are exempt)
- Adoption or modification of on-street parking or loading restrictions (including meters, time limits, accessible spaces, and preferential/reserved parking permit programs)
- Addition of wayfinding signage
- Rehabilitation and maintenance projects that do not add motor vehicle capacity
- Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way (which include restriping of an existing vehicle lane for such facilities)
- Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve non-motorized travel
- Installation of publicly available alternative fuel/charging infrastructure
- Addition of new neighborhood street to break up “superblock” between 400 and 1,500 feet in width and reduce driving distance

City Council Meeting: June 9, 2020 Santa Monica, California

RESOLUTION NUMBER _________ (CCS)

(City Council Series)

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA MONICA ADOPTING TRANSPORTATION SIGNIFICANCE THRESHOLDS FOR REVIEW OF PROJECTS SUBJECT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT TO ALIGN WITH SENATE BILL 743

WHEREAS, in 2013, Governor Edmund G. Brown signed Senate Bill (SB) 743, which streamlines the review process for infill projects in transit priority areas under the California Environmental Quality Act ("CEQA") and seeks to balance the needs of congestion management with Statewide goals related to infill development, promotion of public health through active transportation, and reduction of greenhouse gas emissions; and

WHEREAS, SB 743 directed the Office of Planning and Research ("OPR") to develop updated criteria for measuring transportation impacts using alternative metrics that promote a reduction in greenhouse gases, the development of multimodal transportation, and a diversity of land uses; and

WHEREAS, to achieve these goals, SB 743 requires OPR to amend the CEQA Guidelines, Title 14 of the California Code of Regulations Sections 15000 *et seq*., to provide an alternative metric to level of service ("LOS") for evaluating transportation impacts, which may include "vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated"; and

WHEREAS, SB743 further provides that once the CEQA Guidelines are amended to include those alternative criteria, auto delay, as measured by LOS, can no longer be considered a significant impact under CEQA; and

WHEREAS, in December 2018, pursuant to the mandate in SB 743 and after four years of stakeholder workshops, OPR adopted revised CEQA Guidelines, which determined, in part, that "generally, vehicle miles traveled is the most appropriate measure of transportation impacts"; and

WHEREAS, Section 15064.7(b) of the CEQA Guidelines allows lead agencies to adopt thresholds of significance for the lead agency's general use in its environmental review process; and

WHEREAS, in December 2018, OPR adopted a "Technical Advisory on Evaluating Transportation Impacts in CEQA" (the "Technical Advisory") to provide guidance to lead agencies on how to conduct vehicle miles traveled ("VMT") analysis for projects; and

WHEREAS, in the Technical Advisory, OPR recommends screening criteria and significance thresholds for use in analyzing VMT impacts of projects; and

WHEREAS, while the Technical Advisory is not binding on public agencies, Section 15064.7(c) of the CEQA Guidelines allows lead agencies to "consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence"; and

WHEREAS, the City's current criteria for assessing whether a project would result in significant transportation impacts were adopted in 1991 and utilize intersection LOS as the measure for assessing impacts; and

WHEREAS, in accordance with SB 743 and its implementing regulations, the City is required to utilize VMT, rather than LOS, for CEQA review of potential transportation impacts by July 1, 2020; and

WHEREAS, on January 22, 2020, the Planning Commission participated in a study session to review potential changes to the City's methodology for the transportation review of projects and discuss potential VMT screening and significance thresholds for projects and generally recommended that the application of City-specific thresholds would be appropriate; and

WHEREAS, City staff developed City-specific criteria for "screening" projects subject to VMT analysis as well as thresholds of significance for VMT analysis; and

WHEREAS, City staff subsequently prepared City-specific screening thresholds that are reflective of the City's unique land use and transportation characteristics and the City's climate action and adaptation goals; and

WHEREAS, overall Big Blue Bus ridership and usage of bus stops that do not support rapid transit buses has declined over the last several years within the City; and

WHEREAS, the City's compact character combined with the availability of various transit and mobility options, and diversity of land uses, results in a VMT per capita that is already significantly lower than the regional average; and

WHEREAS, the City's climate action and adaptation plan, adopted in May of 2019, anticipates that a 16.8% reduction in transportation VMT is needed to achieve the plan's carbon neutrality goals; and

WHEREAS, on May 13, 2020, the Planning Commission reviewed the draft VMT screening criteria and significance thresholds and unanimously recommended adoption of the draft screening criteria and thresholds to the City Council; and

WHEREAS, the City Council desires to adopt guidelines for screening and determining potential significant transportation impacts of projects under CEQA to align the transportation review process with SB 743 and the City's General Plan goals and policies.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA MONICA DOES HEREBY ORDAIN AS FOLLOWS:

SECTION 1. The City Council does hereby adopt the Transportation Significance Thresholds for Review of Projects Subject to the California Environmental Quality Act to Align with Senate Bill 743 attached to this Resolution as Exhibit A and incorporated herein by reference. In adopting these guidelines, the City Council hereby finds and declares that, based on the oral and written testimony presented to the City Council at the public hearing on June 9, 2020, there is substantial evidence in the record to support the thresholds of significance adopted in the guidelines.

SECTION 2. The City Clerk shall certify to the adoption of this Resolution, and thenceforth and thereafter the same shall be in full force and effect.

APPROVED AS TO FORM:

____
GEORGE S. CARDONA
Interim City Attorney

Exhibit A Transportation Significance Thresholds for Review of Projects Subject to the California Environmental Quality Act to Align with Senate Bill 743

EXHIBIT A

TRANSPORTATION SIGNIFICANCE THRESHOLDS FOR REVIEW OF PROJECTS SUBJECT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT TO ALIGN WITH SENATE BILL 743

[see attached]

TRANSPORTATION SIGNIFICANCE THRESHOLDS FOR REVIEW OF PROJECTS SUBJECT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT TO ALIGN WITH SENATE BILL 743

SECTION 1. Vehicle Miles Traveled Screening Criteria for Land Use Projects

Projects that meet the criteria set out in the following 3-tiered screening system, which is also set forth in Table 1.1, below, shall be presumed to have a less-than-significant traffic impact and shall not be subject to further vehicle miles traveled (“VMT”) analysis:

Tier 1. Projects that include the following land uses shall not be subject to further VMT analysis:

1. New construction of educational facilities/institutions, such as increased classrooms, gym/recreational space, and other supportive areas, provided that there would be no student enrollment increase; or, if student enrollment is increased, at least 75% of the student body comes from within 2.0 miles of the school.
2. Expansion or construction of new civic/government uses and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community; or, if larger than 50,000 sf, the project would not result in more than 50 net new additional full time equivalent employees.
3. Local serving parks and recreational facilities.
4. 100% affordable housing.
5. 200 residential dwelling units or less.
6. 50,000 sf or less of commercial use floor area per land use category. For purposes of this criterion, “commercial use” includes, but is not limited to: office, medical office, retail, restaurant, grocery store/market, movie theater, gym/fitness, hotel, and hospital uses. Commercial uses such as museums, amusement parks, and other large regional trip attractors shall not be considered “commercial use” for purposes of this criterion, as may be determined by City Staff.

For mixed-use projects, each land use type of the project will be evaluated individually under the criteria set forth above. For example, a mixed-use project with 150 residential dwelling units and 75,000 square feet of office area requires further review under Tier 2. The number of residential dwelling units does not exceed the limitation set forth in criterion 5; however, the office area exceeds the square footage limitation set forth in criterion 6, above. Thus, the project will be subject to further review under Tier 2, below.

Tier 2. Projects that do not satisfy the criteria set forth in Tier 1 shall be further evaluated as follows:

1. If the project is located within 0.5-mile walking distance of an Expo Light Rail Transit ("LRT") station or 0.25-mile walking distance of a Bus Rapid Transit ("BRT") stop as indicated in Table 1.2, below, then the City shall conduct an analysis under Tier 3 to determine whether the project will have a less-than-significant impact.

2. If the project is not located within 0.5-mile walking distance of an Expo LRT station or 0.25-mile walking distance of a BRT stop as indicated in Table 1.2, below, then the project shall not be considered to have a less-than-significant impact, and will be subject to further VMT analysis.

For purposes of this determination, "walking distance" shall mean the actual physical distance that a person would need to walk based on the street network, and "BRT stop" shall include stops for Big Blue Bus Rapid routes and Metro Rapid Bus routes.

Tier 3. Projects that do not satisfy the criteria set forth in Tier 2 shall be further evaluated as follows:

1. If the project provides no more than the minimum off-street parking required or the maximum off-street parking allowed pursuant to applicable regulations in SMMC Chapter 9.28 or any applicable special or area plan, then the project shall be considered to have a less-than-significant transportation impact and shall not be subject to VMT analysis.

2. If the project provides more than the minimum off-street parking required or the maximum off-street parking allowed pursuant to applicable regulations in SMMC Chapter 9.28 or any applicable special or area plan, then the project may result in a significant transportation impact and shall be subject to further VMT analysis.

Table 1.1, Tiered System

Tier 1: Does the project include the development of the following land uses, which are screened out from further analysis?

Table 1: Land uses screened out from VMT analysis

1. New construction of educational facilities/institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, at least 75% of the student body come from within 2.0 miles of the school
2. Expansion or construction of new civic/government uses and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community; or if larger than 50,000 sf, the project would not result in more than 50 net new additional full time equivalent employees
3. Local serving parks and recreational facilities
4. 100% affordable housing
5. 200 residential dwelling units or less
6. 50,000 sf or less of commercial floor area per land use category[1]

If yes, no further analysis. If no, move to Tier 2.
(For a mixed-use project, the individual land use type of the project should be evaluated to determine if each land use can be screened out. For example, a mixed-use project with 150 units and 75,000 sf of office area cannot be screened out at the Tier 1 level and would be required to move to Tier 2.)

↓

Tier 2: Is the project located within 0.5-mile walking distance of an Expo LRT station or 0.25-mile walking distance of Bus Rapid Transit (BRT) stop?[2]

If no, conduct VMT analysis. If yes, move to Tier 3.

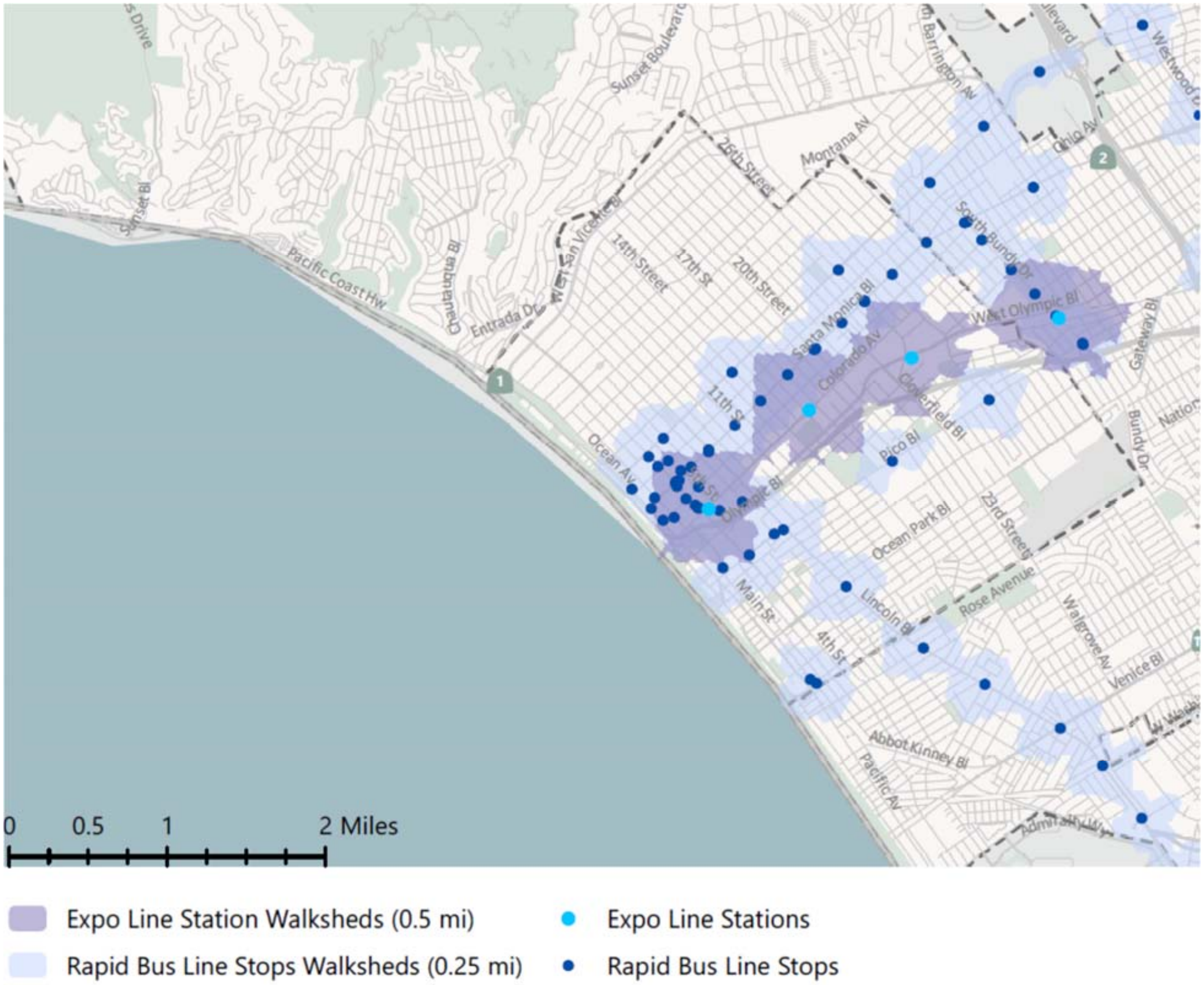
↓

Tier 3: Would the project provide more parking than required by Code (or, if located in an area that does not require parking, exceed parking maximums)?

If no, no further analysis. If yes, conduct VMT analysis.

[1] Commercial uses covered under this screening criterion include (but are not limited to): office, retail, restaurant, grocery store/market, movie theater, gym/fitness, hotel, and hospital uses less than 50,000 sf. Excludes museums, amusement parks, and other large regional trip attractors as may be determined by City Staff.
[2] Walking distance is defined as the actual physical distance that a person would need to walk based on the street network. BRT stops includes stops for Big Blue Bus Rapid routes and Metro Rapid Bus routes.

Table 1.2, Map depicting parcels within 0.5-mile walking distance of an Expo Light Rail Transit (“LRT”) station or 0.25-mile walking distance of Bus Rapid Transit (“BRT”) stop



SECTION 2. Vehicle Miles Traveled Significance Thresholds for Land Use Projects

Projects that do not meet the criteria set forth in Section 1, above, shall be evaluated to determine if a significant transportation impact might occur based on the thresholds of significance set forth in this Section. Projects that exceed the thresholds set forth in this Section may result in a significant traffic impact, and further VMT analysis is required.

Thresholds of Significance for Land Use Projects:

VMT per capita: If a project's VMT per capita does not exceed the most current Citywide average VMT per capita for that particular land use, then the project will result in a less than significant impact.[1]

Table 2.1: City of Santa Monica VMT Thresholds: Significance Criteria 1

Land Use	Proposed Threshold
Residential	No greater than existing Citywide average VMT/capita
Commercial Employee	No greater than existing Citywide average VMT/capita
Retail	Any net increase in total City VMT

and

Total VMT threshold: If a Project's combined total VMT for all uses is at least 16.8% below existing Citywide "business as usual" VMT per capita, then the project will result in a less than significant impact. For purposes of this threshold "business as usual VMT" means the calculated VMT for the project if the project were generating VMT per capita at the existing citywide average.

Table 2.2: City of Santa Monica VMT Thresholds: Significance Criteria 2

		Example Calculation			
	Project VMT	**Existing City Average VMT/capita**	**Project Population**	**Business as Usual (BAU) VMT**	**Proposed Threshold**
Residential	A	9.0	D	= (9.0 x D)	
Commercial Employee	B	19.2	E	= (19.2 x E)	
	Total Resident + Employee VMT (A +B)			**Total BAU VMT**	**Is Total Resident + Employee VMT at least 16.8% lower than Total BAU VMT?**

[1] As of the effective date of these guidelines, the existing citywide average VMT for residents is 9.0 per capita and for commercial employee is 19.2 per employee.

SECTION 3. Transportation Projects Exempt from Vehicle Miles Traveled Analysis

The following transportation projects shall be exempt from VMT analysis

1. Rehabilitation, maintenance, replacement, safety, and repair projects designed to improve the condition of existing transportation assets (e.g., highways; roadways; bridges; culverts;

2. Transportation Management System field elements such as cameras, message signs, detection or signals; tunnels; transit systems; and assets that serve bicycle and pedestrian facilities) and that do not add additional motor vehicle capacity;

3. Roadside safety devices or hardware installation such as median barriers and guardrails;

4. Roadway shoulder enhancements to provide “breakdown space,” dedicated space for use only by transit vehicles, to provide bicycle access, or to otherwise improve safety, but which will not be used as automobile vehicle travel lanes;

5. Addition of an auxiliary lane of less than one mile in length designed to improve roadway safety;

6. Installation, removal, or reconfiguration of traffic lanes that are not for through traffic, such as left, right, and U-turn pockets, two-way left turn lanes, or emergency breakdown lanes that are not utilized as through lanes;

7. Conversion of existing general purpose lanes (including ramps) to managed lanes or transit lanes, or changing lane management in a manner that would not substantially increase vehicle travel;

8. Addition of a new lane that is permanently restricted to use only by transit vehicles;

9. Reduction in number of through lanes;

10. Grade separation to separate vehicles from rail, transit, pedestrians or bicycles, or to replace a lane in order to separate preferential vehicles (e.g., HOV, HOT, or trucks) from general vehicles;

11. Installation, removal, or reconfiguration of traffic control devices, including Transit Signal Priority (TSP) features;

12. Installation of traffic metering systems, detection systems, cameras, changeable message signs and other electronics designed to optimize vehicle, bicycle, or pedestrian flow;

13. Timing of signals to optimize vehicle, bicycle, or pedestrian flow;

14. Installation of crosswalks, with or without vehicle yield compliance enhancements such as rapid rectangular flashing beacons or overhead lights;

15. Installation of roundabouts or traffic circles;

16. Installation of pedestrian scrambles at existing intersections;

17. Installation or reconfiguration of traffic calming devices;

18. Adoption of or increase in tolls;

19. Initiation of new transit service;

20. Conversion of streets from one-way to two-way operation with no net increase in number of traffic lanes;

21. Removal or relocation of off-street or on-street parking spaces (unless the removal or relocation of spaces results in the creation of a new SOV through travel lane – turning pockets are exempt);

22. Adoption or modification of on-street parking or loading restrictions (including meters, time limits, accessible spaces, and preferential/reserved parking permit programs);

23. Addition of wayfinding signage;

24. Rehabilitation and maintenance projects that do not add motor vehicle capacity;

25. Addition of new or enhanced bike or pedestrian facilities on existing streets/highways or within existing public rights-of-way (which include restriping of an existing vehicle lane for such facilities);

26. Addition of Class I bike paths, trails, multi-use paths, or other off-road facilities that serve nonmotorized travel;

27. Installation of publicly available alternative fuel/charging infrastructure; and

28. Addition of new neighborhood street to break up a “superblock” between 400 and 1,500 feet in width and reduce driving distance.

SECTION 4. Vehicle Miles Traveled Significance Threshold for Transportation Projects

Transportation projects that are not exempt under Section 3, above, shall be subject to VMT analysis. Transportation projects that will increase total citywide VMT will result in a significant transportation impact.

APPENDIX B:

SANTA MONICA VEHICLE MILES TRAVELED TOOL USER GUIDE

City of Santa Monica VMT Tool User Guide

Version 1.0

City of Santa Monica

Community Development Department

November 2020

TABLE OF CONTENTS

APPENDICES

1 User Guide Overview

This User Guide provides a step-by-step approach to using the City of Santa Monica Vehicle Miles Traveled Tool (VMT Tool). The tool enables the user to enter various mixes and intensities of land use, select transportation demand management (TDM) strategies and mitigations, and review the resulting vehicle trips and vehicle miles traveled (VMT) generated by the project. The VMT Tool applies the screening criteria and significance thresholds adopted by the City of Santa Monica to determine whether a VMT analysis is required, and displays the relationship of the project's estimated household and work VMT to local significance criteria.

Section 2 of this guide, explain how to enter the project's location by parcel and the project's land use characteristics. **Section 3** documents how to include TDM strategies as part of the project. **Section 4** provide examples of the tool's reporting capabilities. These reports may be submitted to the City of Santa Monica as part of the transportation analysis for the project. The User Agreement, which should be printed, signed, and submitted to the City for the project, is presented in **Section 5** and **Appendix B.** City of Santa Monica TDM strategies are described in **Appendix A** describe

The Santa Monica VMT Tool may be accessed and/or downloaded https://www.smgov.net/Departments/PCD/Transportation/Developers/VMT

1.1 Purpose

The VMT Tool is specifically designed and intended to be used for the development of project-specific daily household VMT per capita, daily work VMT per employee, and daily resident + work VMT metrics for residential and non-residential land use development projects in the City of Santa Monica. It implements the methodologies, screening criteria, and impact significance thresholds adopted by the City of Santa Monica for residential and employment projects. TDM strategies should not be considered for the purpose of screening.

The VMT Tool allows the user to choose from the following commonly occurring land uses:

Residential Uses

- Multi-Family, Zero Cars Residential
- Multi-Family, One Car Residential
- Multi-Family, Two or More Cars

Non-Residential Uses

- Hotel
- Office
- Creative Office
- Medical Office
- Hospital
- Restaurant
- Retail
- Supermarket
- Light Industrial

Although the tool may be useful for other purposes, it is not designed to do the following:

- Calculate peak hour or peak period vehicle trips or VMT
- Calculate person trips
- Calculate truck trips
- Distribute or assign trips
- Estimate net changes in area VMT due to implementation of a retail project
- Evaluate VMT impacts of regional-serving retail projects, entertainment projects, or event centers
- Evaluate VMT impacts of land use plans (e.g., general plans, community plans, and specific plans)
- Evaluate VMT impacts of transportation improvement projects

1.2 System Requirements

The VMT Tool has been tested to run in Excel 2016 on Windows 10. (Limited test with Excel 2019 shows compatibility as well)

2 Screening Tab

The screening criteria adopted by the City for determining whether a VMT analysis needs to be conducted for the project are applied in the Screening Tab. In order to conduct the screening, basic project information, existing land use(s) on the project site to be removed by the project, and proposed project land use(s) should be input by the user. This section is divided into four parts:

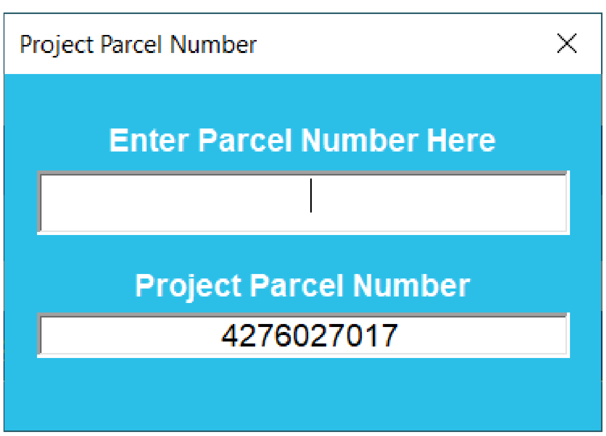
1. Project Name
2. Project Parcel
3. Project Land Use
4. Project Screening

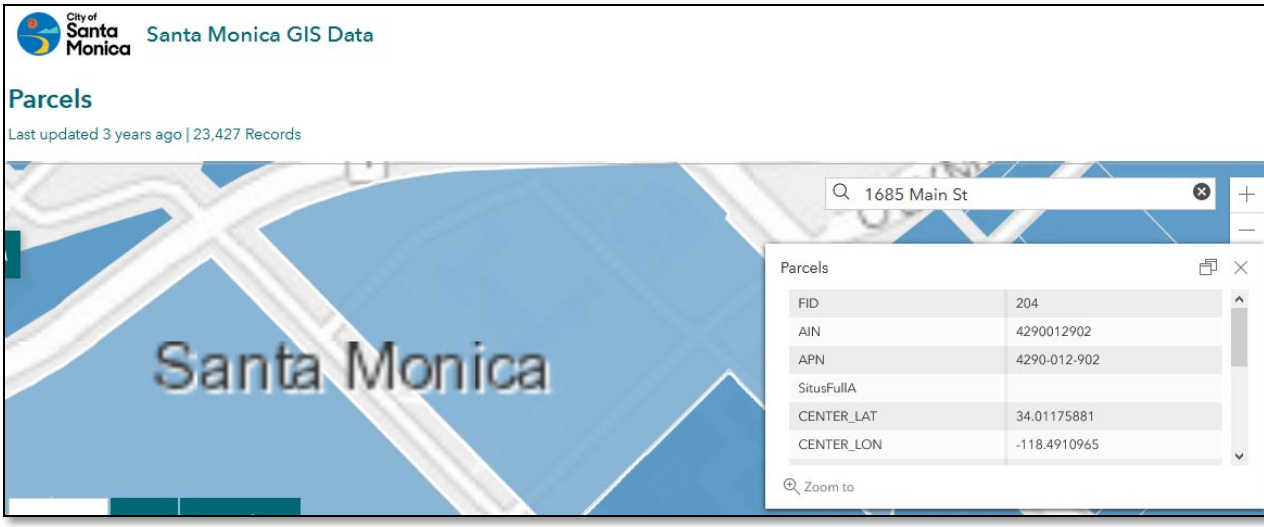
2.1 Project Name

The Project Information section begins with a description of the project name and scenario. Use the light blue box to enter the project name and the scenario to be tested.

2.2 Project Parcel

Click on the light blue box. A new dialog box will appear for the user to enter the project parcel. If the parcel number is not known, click on the orange link, " click here to access Santa Monica's online parcels database," to access the City's online portal and find the project parcel. In the example for City Hall at 1685 Main Street, enter parcel number (AIN) 4290012902 for the project parcel.





Project Parcel(s)	(click here to access Santa Monica's online parcels database)
4290012902	

When the project parcel is entered, a red project parcel marker will display on the map to show where the parcel is located.

2.3 Project Land Use

The Screening Tab allows the user to enter information regarding both the existing land use(s) on the project site that will be removed by the project and the proposed land use(s). This is for informational purposes and does not affect VMT calculation for the proposed project.

The VMT Tool has several predefined land uses that may be used to create the existing and project land use scenarios. These predefined land uses are the most common land uses in the City. Scroll down beneath the map and screening question, then add the land uses to the 'Existing Uses on Project Site' section on the left or the 'Proposed Project' section on the right. Existing and project daily trip estimates will be shown at the bottom in the teal boxes.

Project Land Use

Existing Uses on Project Site (leave empty if not removing existing land use)

Residential	Value	Unit
Multi-Family with Zero Parking Spaces		du
Multi-Family with One Parking Spaces		du
Multi-Family with Two Parking Spaces		du

Hotel	Value	Unit
Hotel		rooms
(exclude any land use entered below)		ksf

Non-Residential	Value	Unit
Office	456.800	ksf
Creative Office		ksf
Medical Office		ksf
Hospital		ksf
Restaurant		ksf
Retail		ksf
Supermarket		ksf
Light Industrial		ksf

Existing Daily Residential Trips	0	Trips
Existing Daily Non-Residential Trips	4,806	Trips
Existing Daily Trips	4,806	Trips

Proposed Project

Residential	Value	Unit
Multi-Family with Zero Parking Spaces		du
Multi-Family with One Parking Spaces		du
Multi-Family with Two Parking Spaces		du

Hotel	Value	Unit
Hotel		rooms
(exclude any land use entered below)		ksf

Non-Residential	Value	Unit
Office	169.309	ksf
Creative Office		ksf
Medical Office		ksf
Hospital		ksf
Restaurant	5.376	ksf
Retail		ksf
Supermarket		ksf
Light Industrial		ksf

Proposed Project Daily Residential Trips	0	Trips
Proposed Project Daily Non-Residential Trips	2,222	Trips
Proposed Project Daily Trips	2,222	Trips

2.4 Project Screening

The Project Screening section asks the user to answer five 'Yes/No' screening questions as part of determining if the project is screened from analysis. The five light blue boxes are direct user inputs. The three teal boxes are answers calculated automatically by the tool, based on project parcel location and project land use information.

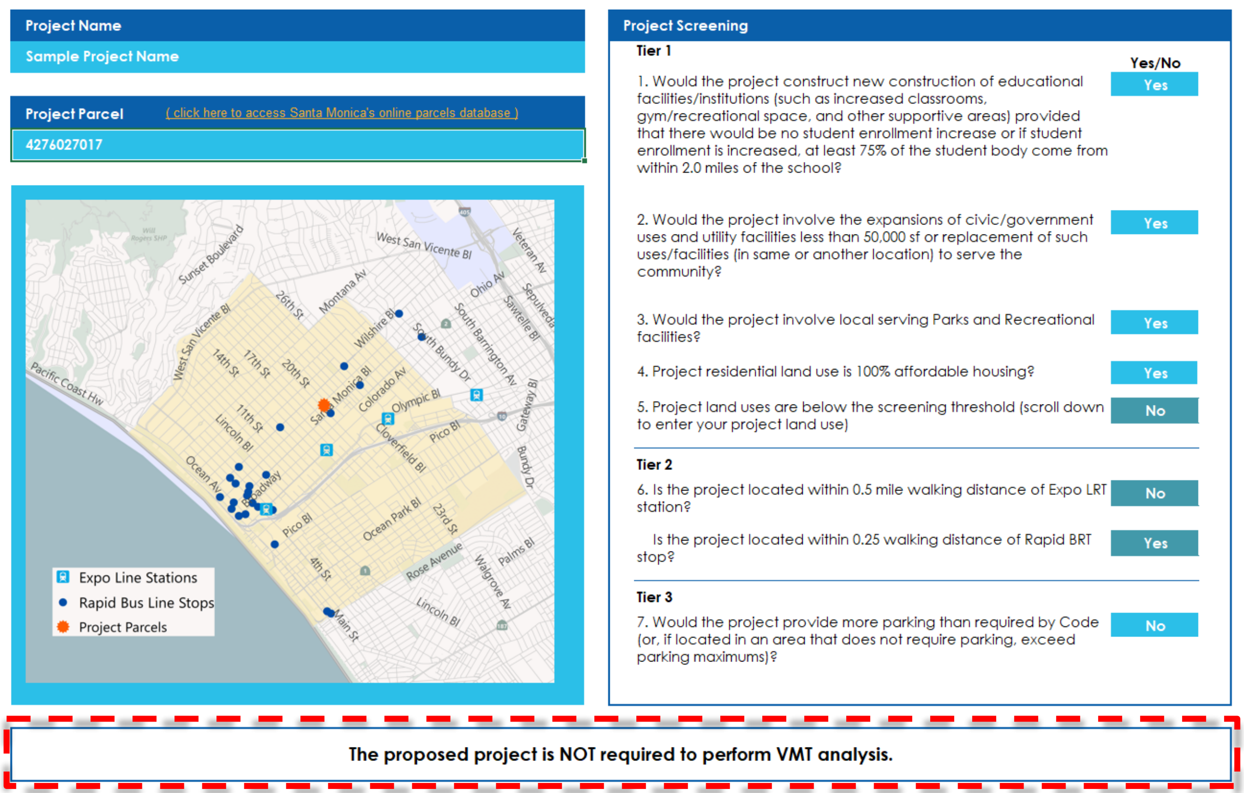
Project Screening

Tier 1	Yes/No
1. Would the project construct new construction of educational facilities/institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, at least 75% of the student body come from within 2.0 miles of the school?	Yes
2. Would the project involve the expansions of civic/government uses and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community?	Yes
3. Would the project involve local serving Parks and Recreational facilities?	Yes
4. Project residential land use is 100% affordable housing?	Yes
5. Project land uses are below the screening threshold (scroll down to enter your project land use)	No
Tier 2	
6. Is the project located within 0.5 mile walking distance of Expo LRT station?	No
Is the project located within 0.25 walking distance of Rapid BRT stop?	Yes
Tier 3	
7. Would the project provide more parking than required by Code (or, if located in an area that does not require parking, exceed parking maximums)?	No

The VMT Tool analyzes a proposed project dynamically within the tool. The following results are provided within the Screening Tab 'Project Screening' and 'Project Land Use,' based on the user inputs:

- **Existing and Proposed Project Daily Vehicle Trips:** These are broken down by residential and non-residential trips.

- **Screening Criteria Answers:**
  - Tier 1 Screening Criteria: This checks if the project is screened under specific land use criteria.
  - Tier 2 Screening Criteria: If not screened under Tier 1, this checks if project is located within a 0.5-mile walking distance of an Expo LRT station or if it is located within a 0.25-mile walking distance of a Rapid BRT stop.
  - Tier 3 Screening Criteria: If screened under Tier 2, this checks that the project is not providing more parking than required by City of Santa Monica code.
- **Screening Criteria Conclusion:** The proposed project is required to perform a VMT analysis or is not required to perform a VMT analysis. A proposed project is not required to perform a VMT analysis if it meets Tier 1 screening criteria or if it meets both Tier 2 and Tier 3 screening criteria.



3 TDM Tab

The TDM Tab allows the user to enter information regarding transportation demand management strategies to be applied as part of the project and displays the resulting estimated daily vehicle trips and daily VMT.

3.1 Preliminary Results

This section shows the daily project-specific summary, both with and without TDM. Estimated daily vehicle trips, daily VMT, daily household VMT per capita, and daily work VMT per employee are summarized with and without TDM strategies applied. The significant VMT impact summary for the household VMT and work VMT is also shown here.

The business as usual VMT (BAU VMT) is also provided. The BAU VMT is the sum of home-based VMT for residential and home-based work VMT for employees generated by the project, based on the current existing citywide average.

3.2 TDM Strategies

There are a variety of transportation demand management strategies included in the VMT Tool. These strategies may be applied as part of the project. Three general steps are available to add TDM strategies to the project, as listed below.

1. The first step is to select a strategy to be part of the project. Locate the appropriate TDM strategies under each parent strategy to apply to the project. There are four parent strategies as follows:
    - Parking
    - Transit
    - Commute Trip Reduction
    - Site Design

    Click on the orange box to select or deselect a particular TDM strategy. An “X” indicates the strategy is selected.

2. For the second step to apply a TDM strategy, enter the quantity and intensity of the TDM strategy, if applicable. More information regarding the TDM strategies available for selection in the VMT Tool, including description and applicability of each strategy, methodology for estimating effectiveness of each strategy, and research sources supporting the effectiveness calculations, is provided in **Attachment A** of this User Guide. Users may also view the Report Tab at the bottom of the tool to see all of the TDM strategies selected for the project and understand how VMT reductions are assigned by residential and non-residential trip purpose to the project’s TDM strategies.

3.3 TDM Tab Reporting Metrics

The reporting within the TDM Tab provides details on the proposed project under the following two scenarios:

1. Proposed project **without** TDM strategies

2. Proposed project **with** TDM strategies

Key project metrics of interest are reported for both scenarios. These metrics include the following:

- Daily Vehicle Trips
- Daily VMT
- Household VMT per Capita: The total home-based VMT productions divided by the population of the project
- Work VMT per Employee: The total home-based work attractions divided by the employment of the project
- Business as Usual VMT (BAU VMT): The sum of home-based VMT productions for residential use plus home-based work attractions VMT for non-residential use if the project was generating VMT per capita at the existing citywide average.
- Household Significance Threshold: The household VMT per capita is measured against the citywide threshold to determine if the project has a significant household impact.
- Work Significance Threshold: The work VMT per employee is measured against the citywide threshold to determine if the project has a significant work impact.

4 Reporting

In addition to the live reporting, the VMT Tool also provides a tab for a print-ready report. This report, accessed using the tabs at the bottom of the tool window, allows the user to review the major project inputs and outputs. Additionally, the report provides detailed information on the TDM mitigation strategies.

Examples of this report are provided in **Appendix B**. The report includes the following:

1. **Project Screening & Project Land Use:** Documentation of the inputs and outputs of the tool for the specified project and an analysis overview. A summary of the project screening and the requirement for VMT analysis is also included.

2. **Proposed Project Summary VMT Results:** Reporting of the daily VMT, household VMT, work VMT, and resident + employee VMT metrics, and whether each metric meets Significant VMT Impact.

3. **Transportation Demand Management Strategies:** A detailed breakdown of the TDM strategies that were selected for the project, which reports the VMT reductions associated with the TDM strategies selected by residential and non-residential trip purposes, along with a project-level summary at the top of the section.

Santa Monica VMT Tool - Report

Project Name	Project Parcel(s)
Sample Project Name	4276027018

Project Screening

	Yes/No		Yes/No
1. Would the project construct new educational facilities/ institutions (such as increased classrooms, gym/recreational space, and other supportive areas) provided that there would be no student enrollment increase or if student enrollment is increased, 75% of the student body come from within 2.0 miles of the school?	-	4. Project residential land use is 100% affordable housing?	-
		5. Project land uses are below the screening threshold	N/A
2. Would the project involve the expansions of civic/government use (such as fire and police stations) and utility facilities less than 50,000 sf or replacement of such uses/facilities (in same or another location) to serve the community?	-	6. Is the project located within 0.5 mile walking distance of Expo LRT station?	No
		Is the project located within 0.25 walking distance of Rapid BRT stop?	Yes
3. Would the project involve local serving Parks and Recreational facilities, as determined by City Staff?	-	7. Would the project provide more parking than required by Code (or if located in the Downtown, exceed parking maximums)?	-

The proposed project is required to perform VMT analysis.

Santa Monica VMT Tool - Report

Project Land Use

Existing Uses on Project Site

Residential	Value	Unit
Multi-Family Zero Cars	0	du
Multi-Family One Car	0	du
Multi-Family Two or More Cars	0	du

Hotel	Value	Unit
Hotel	0	rooms
(exclude any attached land use entered below)	0	ksf

Non-Residential	Value	Unit
Office	0	ksf
Creative Office	0	ksf
Medical Office	0	ksf
Hospital	0	ksf
Restaurant	0	ksf
Retail	0	ksf
Supermarket	0	ksf
Light Industrial	0	ksf

Existing Daily Residential Trips	0	Trips
Existing Daily Non-Residential Trips	0	Trips
Existing Daily Trips	0	Trips

Proposed Project

Residential	Value	Unit
Multi-Family Zero Cars	0	du
Multi-Family One Car	0	du
Multi-Family Two or More Cars	0	du

Hotel	Value	Unit
Hotel	0	rooms
(exclude any attached land use entered below)	0	ksf

Non-Residential	Value	Unit
Office	0	ksf
Creative Office	0	ksf
Medical Office	0	ksf
Hospital	0	ksf
Restaurant	0	ksf
Retail	0	ksf
Supermarket	0	ksf
Light Industrial	0	ksf

Proposed Project Daily Residential Trips	0	Trips
Proposed Project Daily Non-Residential Trips	0	Trips
Proposed Project Daily Trips	0	Trips

Proposed Project Summary VMT Results

	Daily VMT				Household VMT			Work VMT			Resident + Employee VMT			
	Total Project Trips	Total Project VMT	Project VMT per service pop	City VMT per service pop	VMT per capita	VMT Impact Threshold	Significant VMT Impact?	VMT per employee	VMT Impact Threshold	Significant VMT Impact?	Project VMT	Business as Usual VMT	Difference	Significant VMT Impact?
No TDM	0	0	0	27	0.0	9.0	No	0.0	19.2	No	0	0	N/A	N/A
With TDM	0	0	0	27	0.0	9.0	No	0.0	19.2	No	0	0	N/A	N/A

City of Santa Monica

Santa Monica VMT Tool - Report

Transportation Demand Management Strategies

TDM Adjustments Summary

Residential	N/A	Non-Residential	N/A	Combined Total	N/A

Parking

TDM Adjusments by Strategy

Off-Street Parking Cost

This strategy estimates the effect of increasing the cost of off-street parking. Off-street parking refers to parking in a lot, garage, or other parking facility where the project can control the parking price.

$0	Baseline Off-Street
$0	Proposed Off-Street

Residential N/A
Non-Residential N/A

Parking Supply

This strategy estimates the effect of decreasing the parking supply relative a baseline (typically the code requirements for parking provision, or the amount of parking provided by similar sites in similar locations). Parking supply refers to the total number of parking spaces provided.

0	Baseline Number of Spaces
0	Proposed Number of Spaces

Residential N/A
Non-Residential N/A

Transit

TDM Adjusments by Strategy

Transit Frequency

This strategy estimates the effect of providing more frequent service / shorter headways. If there is no existing transit service, the measure should be coded as a change in coverage rather than a change in frequency.

0	Baseline Frequency (minutes)
0	Proposed Frequency (minutes)

Residential N/A
Non-Residential N/A

Private Point-to-Point Shuttles

This strategy estimates the effect of providing private shuttles as a new service that is available only for those affiliated with the project. Point-to-point shuttles refer to shuttles that transport employees directly from the project site to a popular destination (i.e., long haul commute shuttles, like "Google Bus" type shuttles.)

Residential N/A
Non-Residential N/A

Last Mile Shuttle

This strategy estimates the effect of providing private shuttles as a new service that is available only for those affiliated with the project. Last mile shuttles refer to shuttles that connect the site to the nearest high quality transit station (high volume of riders or frequent peak hour service).

Residential N/A
Non-Residential N/A

Santa Monica VMT Tool - Report

Commute Trip Reduction

TDM Adjusments by Strategy

Commute Marketing Program

This strategy estimates the effect of commute marketing programs for employees, residents, and visitors. Commute marketing programs are the traditional TDM program, and consist of using staff time (through either a dedicated staff member, or through a transportation management agency) to advertise non-driving options to project employees, residents, and visitors. This may include direct outreach, help with trip planning, development of promotional materials, etc.

- Employees
- Residents
- Visitors

Residential	N/A
Non-Residential	N/A

Financial Commuter Incentives

Residential	N/A
Non-Residential	N/A

(You may choose only one strategy)

Commuter Incentives

This strategy estimates the effect of providing commuter incentives to employees. Commuter incentives are direct cash payments to employees for traveling via transit, carpool, vanpool, bicycle, or walking. This should not be combined with Transit Subsidies, Parking Cashout, or Carpool/Vanpool Incentives, since these are separate strategies to achieve the same goal.

$0	per	0	Financial Incentive ($)
$0	per	0	Average Baseline Commute Cost ($)

Transit Subsidies

This strategy estimates the effect of providing transit subsidies to employees, residents, and/or visitors. Transit subsidies are direct payments to individuals for use of public transit. This should not be combined with Commuter Incentives, Parking Cashout, or Carpool/Vanpool Incentives, since these are separate strategies to achieve the same goal.

Employees	0%	Percentage of Cost Subsidized
Residents	0%	Percentage of Cost Subsidized

Site Design

TDM Adjusments by Strategy

Pedestrian-Oriented Design

This strategy estimates the effect of implementing pedestrian-oriented design. Pedestrian-oriented design is based on a qualitative assessment of how well the design of a project caters to pedestrians. At a minimum, project elements should include traffic calming, sidewalks on all frontages, pedestrian access via sidewalks, and block distances not exceeding 600 feet.

Residential	N/A
Non-Residential	N/A

version 1.0

Page 4 of 4

5 User Agreement

The VMT Tool User Agreement is included in a tab within the VMT Tool. The User Agreement should be printed, signed, and submitted to the City of Santa Monica for the project. A copy of the User Agreement is included in **Appendix B**.

APPENDIX A

TRANSPORTATION DEMAND

MANAGEMENT STRATEGIES

1 TRANSPORTATION DEMAND MANAGEMENT STRATEGIES IN THE SANTA MONICA VMT CALCULATOR

1.1 Introduction

This document provides an overview of the Transportation Demand Management (TDM) strategies included in the City of Santa Monica Vehicle Miles Traveled (VMT) Calculator. The VMT Calculator is a tool designed to measure whether a development project exceeds the VMT thresholds of the City of Santa Monica, based on the Santa Monica travel behavior forecasting model validated to City of Santa Monica conditions, as documented in the City of Santa Monica Model Report (Fehr & Peers, 2019) and the potential VMT reductions available from certain types of project site modifications, programming, and operational changes collectively known as 'TDM strategies.'

The effectiveness of each of the nine TDM strategies included in the VMT Calculator is based primarily on strategies identified in the California Air Resource Board's Zero Carbon Building Study (ongoing), which draws from the 2010 California Air Pollution Control Officers Association (CAPCOA) publication, *Quantifying Greenhouse Gas Mitigation Measures* (CAPCOA, 2010), and additional research published since 2010. Each of these studies include evidence pertaining to anticipated changes in travel behavior in response to TDM programs, pricing, or other factors. The methodology for calculating the anticipated VMT reduction is specified for each strategy in the following pages.

The VMT Calculator considers the general context of a site when determining how effective individual TDM measures may be. The effectiveness or applicability of a measure is determined by the 'placetype,' which is a predefined category based on land use characteristics of the location where the project is sited. For Santa Monica, three placetypes have been defined depending on the project's location, and are listed below. A map showing the placetype designation across the City of Santa Monica is included in **Figure 1**.

1. Urban Core – in Downtown Santa Monica
2. Urban High Transit – in the Transit Priority Areas
3. Urban Low Transit – outside of the Transit Priority Areas

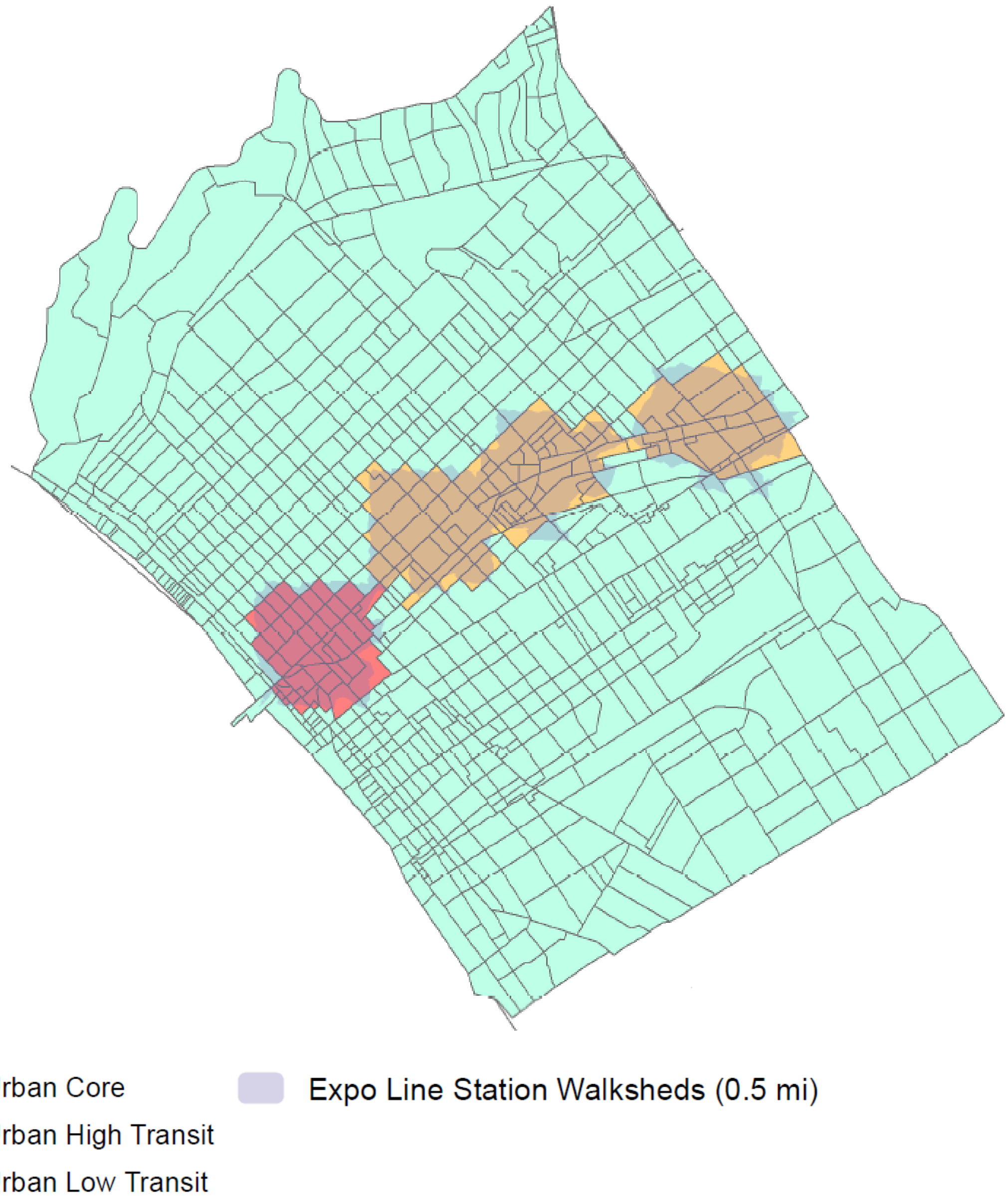
The TDM strategies are individually described in this document, with individual levels of effectiveness identified. However, to ensure the effectiveness of TDM strategies is not overstated, the VMT reductions in the VMT Calculator are both *dampened* and *capped*.

Dampening: Within each type of trip (home-based work trip starting at the home end, for example), a multiplicative dampening formula is applied. For example, if both Strategy A and Strategy B are applied, the combined effectiveness is not A+B, but rather 1-(1-A)*(1-B). This captures the reality that many people who would consider using Strategy B overlap with the potential market for Strategy A, and would choose A or B for each trip, but not both A and B.

Capping: For the full set of strategies selected across all trip types, a global maximum reduction of 40% is applied. This level of reduction reflects the CAPCOA maximum reduction for TDM measures.

In the following pages, the inputs required by the project applicant are listed. The other formula components are either coefficients identified in the research and documented in the literature or predefined quantities based on the location of the project.

FIGURE 1: City of Santa Monica Placetypes



1.2 Santa Monica TDM Strategies Categories

- Parking Category
  - Off-Street Parking Cost
  - Parking Supply

- Transit Category
  - Transit Frequency
  - Private Point-to-Point Shuttle
  - Last Mile Shuttle

- Commute Trip Reduction Category
  - Commute Marketing Program
  - 2A. Financial Commuter Incentives: Commuter Incentives
  - 2B. Financial Commuter Incentives: Transit Subsidies

- Site Design Category
  - Pedestrian Network Improvements

1.3 Parking Category

1.3.1 1. Off-Street Parking Cost

This strategy implements parking pricing for off-street parking locations for residents, employees, and visitors to the site. Off-street parking refers to parking in a lot, garage, or other parking facility where the project developer or site manager can control the parking price. This strategy is appropriate for all land use contexts and all types of development, and applies to all trip types.

The maximum available VMT reduction from this strategy is 5.5%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of Parking Demand to Parking Price) x (Percent Change in Parking Price) x (Percent of Trips Parking Off-Street)

1.3.1.1 User Inputs

- **Baseline Parking Price:** Enter the dollar amount of the parking cost (per hour or per day) that is required today to park on site.
- **Proposed Parking Price:** Enter the dollar amount of the parking cost (per hour or per day, in same unit as for baseline) that the project will require to park on site.

1.3.1.2 Additional Factors

- Constant elasticity of -0.11
- Percent of trips parking off street is assumed to be 60.9%[1]

1.3.1.3 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research documents:

- Ottosson, D. B., Chen, C., Wang, T., & Lin, H. (2013). *The Sensitivity of On-Street Parking Demand in Response to Price Changes: A Case Study in Seattle, WA*. Transport Policy, 25, 222-232.
- Pierce, G., & Shoup, D. (2013). *Getting the Prices Right: An Evaluation of Pricing Parking by Demand in San Francisco.* Journal of the American Planning Association, 79(1), 67-81.
- J. Peter Clinch and J. Andrew Kelly (2003). *Temporal Variance of Revealed Preference On-Street Parking Price Elasticity*. Department of Environmental Studies, University

[1] This figure, 60.9%, reflects 5/6 of the total trips made by vehicle, or 73% of trips, based on the 2017 American Community Survey Five-Year Estimates for Santa Monica. We have assumed that 5/6 of all vehicle trips would park off street, and 1/6 of all vehicle trips would park on street.

College Dublin (www.environmentaleconomics.net). http://www.ucd.ie/gpep/research/workingpapers/2004/04-02.pdf, As referenced in VTPI: http://www.vtpi.org/tdm/tdm11.htm#_Toc161022578.

1.3.2 2. Parking Supply

This strategy reduces the on-site residential parking supply below a baseline parking supply. For any project in the city, including Downtown, but excluding Bergamot Plan area, the baseline parking supply is the City's Municipal Parking Code[2] . For projects in Bergamot Plan the baseline parking supply is identified in the Bergamot Area Plan[3]. Code-permitted reductions in parking supply considered to reduce the supply below a baseline could include locating in a TOC, employing a Density Bonus, utilizing the Bike Parking ordinance, or locating in a Specific Plan area, such as the Downtown Specific Plan area. Reductions in parking supply could also result from variances sought by a project. This strategy is appropriate to use for residential developments and applies to home-based work (production) and home-based other (production) trip types. This strategy is 100% effective in Urban Core and Urban High Transit contexts, and 50% effective in Urban Low Transit contexts.

The maximum available VMT reduction from this strategy is 5.5%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

% VMT Reduction = (Estimate of Baseline Vehicle Trips – Estimate of Proposed Vehicle Trips) / (Estimate of Baseline Vehicle Trips) * (R^2)
Where
Vehicle Trips = 0.7015 * (Parking Supply) – 0.1389; and R^2 = 0.4292

1.3.2.1 User Inputs

- **Base City Code Parking Requirements:** Enter the number of spaces that would be required by direct application of the parking code (without integrating any parking reduction mechanisms permitted in the code), or the amount of parking typically provided by similar spaces in similar locations.
- **Actual Parking Provision:** Enter the number of spaces the project will be providing.

[2] TABLE 9.28.060 PARKING REGULATIONS BY USE AND LOCATION http://www.qcode.us/codes/santamonica/view.php?cite=_9.28.060&confidence=5

[3] Bergamot Area Plan, 2013

https://www.smgov.net/uploadedFiles/Departments/PCD/Plans/Bergamot-Area-Plan/Bergamot%20Area%20Plan%20Final%20Adopted%2012.10.13(1).pdf

1.3.2.2 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research document:

- Schuett, Paine, Riessen, Schwartz, Ziebarth, Chan, & Whinery. (2015). *Does Providing Parking Influence Auto Mode Share in an Urban Environment?* Transportation Research Board 95th Annual Meeting, 2016.

1.4 Transit Category

1.4.1 1. Transit Frequency

This strategy makes transit service more appealing by reducing headways and thereby reducing overall transit trip time, encouraging riders to switch from auto to transit use. This strategy assumes transit is already present in the project area, and requires close coordination with the transit service operator in the area to demonstrate the assumed service improvements will be implemented by the time the project is open. The project applicant would typically be required to financially support the operation of additional service, and demonstrate commitment and partnership with the transit service provider through formal documentation. This strategy is appropriate for all land use contexts and all types of development, and applies to all trip types.

The maximum available VMT reduction from this strategy is 0.6%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of Transit Ridership to Transit Frequency) x (Percent Change in Transit Frequency) x (Existing Transit Mode Share) x (Ratio of Average Transit Trip Length to Average Vehicle Trip Length)

1.4.1.1 User Inputs

- **Baseline Headway:** Enter the existing peak-period headways, in minutes.
- **Proposed Headway:** Enter the proposed peak period headways, in minutes.

1.4.1.2 Additional Factors

- Constant elasticity of 0.5
- Existing transit mode share – the percent mode share for transit in Santa Monica, which is 4%, based on US Census American Communities Survey commute mode share information from 2017

- Ratio of Average Transit Trip Length to Average Vehicle Trip Length assumed to be 25%[4]

1.4.1.3 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research documents:

- Handy, Lovejoy, Boarnet, Spears. (2013). *Impacts of Transit Service Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions.* http://www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf
- Litman, T. (2004). *Transit Price Elasticities and Cross-Elasticities*. Journal of Public Transportation, 7(2), 3.
- Taylor, B.D., Miller, D., Iseki, H., & Fink, C. (2009). *Nature and/or Nurture? Analyzing the Determinants of Transit Ridership Across US Urbanized Areas.* Transportation Research Part A: Policy and Practice, 43(1), 60-77.

1.4.2 2. Private Point-to-Point Shuttle

This strategy involves the implementation of a project-operated or project-sponsored long haul shuttle transporting employees of the project site between the project site and residential areas. This strategy is most appropriate for application to very large project sites where employee residences are concentrated. For an office location in Santa Monica, these private point-to-point shuttles may carry large numbers of employees to Downtown Los Angeles, the Valley, Long Beach, or other areas where a concentration of non-local employees may live. This strategy is appropriate for all land use contexts and for office developments, and applies to home-based work (attraction) trips.

The maximum available VMT reduction from this strategy is 1.4%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of VMT to Shuttle Mode Share) x (Percent Shuttle Mode Share)

1.4.2.1 User Inputs

- There are no user inputs for this strategy.

[4] The ratio of Average Transit Trip Length to Average Vehicle Trip Length is assumed to be 25%, which reflects summarized research literature that demonstrated a range of 2% to 50%; 25% was used as a sensible midpoint.

1.4.2.2 Additional Factors

- Constant elasticity of -0.27
- Percent Shuttle Mode Share (default): Assumed to be 5%, based on case studies in the Bay Area

1.4.2.3 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research documents:

- Handy, Lovejoy, Boarnet, Spears. (2013). *Impacts of Transit Service Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions.* http://www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf
- Litman, T. (2004). *Transit Price Elasticities and Cross-Elasticities.* Journal of Public Transportation, 7(2), 3.
- Taylor, B.D., Miller, D., Iseki, H., & Fink, C. (2009). *Nature and/or Nurture? Analyzing the Determinants of Transit Ridership Across US Urbanized Areas.* Transportation research Part A: Policy and Practice, 43(1), 60-77.

3. Last Mile Shuttle

This strategy involves the implementation of a project-operated or project-sponsored shuttle, transporting employees of the project site between the project site and the nearest transit hubs. This strategy is most appropriate for application to very large project sites; smaller projects may also utilize this strategy through participating in a neighborhood shuttle with other projects in the vicinity. Shuttle service should not simply mirror existing service, but provide new opportunities for access to rail stations or transit hubs. This strategy is appropriate for all land-use contexts and for office developments, and applies to home-based work (attraction) trips.

The maximum available VMT reduction from this strategy is 0.8%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of Transit Ridership to Transit Network Coverage) x (Existing Transit Mode Share) x (Ratio of Average Transit Trip Length to Average Vehicle Trip Length)

1.4.2.4 User Inputs

- There are no user inputs for this strategy.

1.4.2.5 Additional Factors

- Constant elasticity of 0.7

- Existing transit mode share: The percent mode share for transit in Santa Monica, which is 4%, based on US Census American Communities Survey commute mode share information from 2017
- Ratio of Average Transit Trip Length to Average Vehicle Trip Length assumed to be 25%[5]

1.4.2.6 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research documents:

- Handy, Lovejoy, Boarnet, Spears. (2013). *Impacts of Transit Service Strategies on Passengers Vehicle Use and Greenhouse Gas Emissions.* http://www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf
- Sadek et al. (2011). *Reducing VMT Through Smart Land Use Design*. NYDOT. https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-08-29%20Final%20Report_December%202011%20%282%29.pdf

[5] The ratio of Average Transit Trip Length to Average Vehicle Trip Length is assumed to be 25%, which reflects summarized research literature that demonstrated a range of 2% to 50%; 25% was used as a sensible midpoint.

1.5 Commute Trip Reduction Category

1.5.1 1. Commute Marketing Program

This strategy involves the use of marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of those travel choices. This strategy is most effective when it includes two-way communication tools, or tools that would encourage an individual to consider a different mode at the time the trip is taken (such as an app or a daily email). At a minimum, this strategy includes passive educational and promotional materials travelers could choose to read at their own leisure, such as posters, information boards, or a website with information. This strategy is appropriate for all land-use contexts and all types of development, and applies to all trip types.

The maximum available VMT reduction from this strategy is 3.2%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction based on a 3.2% blanket reduction of VMT based on the application of a commute marketing program at the site.

1.5.1.1 User Inputs

- There are no user inputs for this strategy.

1.5.1.2 Source

The application and effectiveness of this strategy are based on the following research document:

- National Academies of Sciences, Engineering, and Medicine. 2010. *Traveler Response to Transportation System Changes Handbook, Third Edition: Chapter 19, Employer & Institutional Travel Demand Strategies*. Washington, DC: The National Academies Press. https://doi.org/10.17226/23433.

1.6 Commute Trip Reduction Category

1.6.1 2. Commuter Incentives

This strategy involves the subsidization of commute cost for employees of the project site. The subsidy must be proactively offered to each employee at least once annually for a minimum of five years, and must be provided for the entirety of the year on a daily, weekly, monthly, or annual basis. This subsidy could be applied at the discretion of the employee to cover commute costs, such as carpool/vanpool costs, carshare membership, bikeshare membership, or transit passes. Alternatively, it could be used by the employee for non-commute purposes in exchange for forgoing a parking space (i.e., parking cash-out). The value of the subsidy must amount to $110 per month, consistent with the City of Santa Monica's TDM Ordinance. This strategy is appropriate for all land use contexts and for office developments, and applies to home-based work (attraction) trips.

The maximum available VMT reduction from this strategy is 0.8%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of VMT to Commute Cost) x (% Commute Cost Subsidized) x (Ratio of Shifted Trip Length to Average Vehicle Trip Length)

1.6.1.1 User Inputs

- **Baseline Commute Cost:** Enter the dollar amount of average commute cost (per day, per week, or per month) per passenger.
- **Commute Subsidy Amount:** Enter the dollar amount of commute subsidy (for the same time period as for baseline) per passenger.

1.6.1.2 Additional Factors

- Constant elasticity of -0.03
- Ratio of Average Transit Trip Length to Average Vehicle Trip Length assumed to be 25%[6]

1.6.1.3 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research document:

Dong, J., Davidson, D., Southworth, F., & Reuscher, T. (2012). *Analysis of Automobile Travel Demand Elasticities with Respect to Travel Cost.*

[6] The ratio of Average Transit Trip Length to Average Vehicle Trip Length is assumed to be 25%, which reflects summarized research literature that demonstrated a range of 2% to 50%; 25% was used as a sensible midpoint.

1.7 Commute Trip Reduction Category

1.7.1 3. Transit Subsidies

This strategy involves the subsidization of transit fare for residents and employees of the project site. The subsidy must be proactively offered to each dwelling unit and/or employee at least once annually for a minimum of five years, and must be provided for the entirety of the year on a daily, weekly, monthly, or annual basis. The value of the subsidy must amount to $110 per month, consistent with the City of Santa Monica's TDM Ordinance. This strategy assumes transit service is already present in the project area, and is appropriate for all land use contexts. Appropriate for residential and office developments, this strategy applies to home-based work (production), home-based other (production), and home-based work (attraction) trip types.

In Santa Monica, many transit fare products are available to pay for individual trips, unlimited trips on a single transit operator's system, or unlimited trips on multiple transit operators' systems, including the Santa Monica Big Blue Bus and LA Metro. Unlimited passes are available on a daily, weekly, and monthly basis, and can provide a per-trip discount if the rider exceeds a certain number of trips within the given time period. In addition, LA Metro offers several employer annual pass programs, including the Metro Annual Transit Access Pass (ATAP), the Metro Employer Pass Program (E-Pass), and the Metro Small Employer Pass Program (SEP), which offer steep discounts but require a high minimum threshold of participation among all employees. In the future, new pass options may become available and fare structures may change.

The maximum available VMT reduction from this strategy is 0.3%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction = (Elasticity of Transit Ridership to Transit Cost) x (% Transit Cost Subsidized) x (Existing Transit Mode Share) x (Ratio of Transit Trip Length to Average Vehicle Trip Length)

1.7.1.1 User Inputs

- **Percentage of Transit Cost Subsidized:** Enter the percent of the transit cost that is subsidized per person.

1.7.1.2 Additional Factors

- Constant elasticity of -0.28
- Existing transit mode share: The percent mode share for transit in Santa Monica, which is 4%, based on US Census American Communities Survey commute mode share information from 2017

- Ratio of Average Transit Trip Length to Average Vehicle Trip Length assumed to be 25%[7]

1.7.1.3 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research document:

- National Academies of Sciences, Engineering, and Medicine. (2010). *Traveler Response to Transportation System Changes Handbook, Third Edition: Chapter 19, Employer & Institutional Travel Demand Strategies.* Washington, DC: The National Academies Press. https://doi.org/10.17226/23433

[7] The ratio of Average Transit Trip Length to Average Vehicle Trip Length is assumed to be 25%, which reflects summarized research literature that demonstrated a range of 2% to 50%; 25% was used as a sensible midpoint.

1.8 Site Design Category

1.8.1 1. Pedestrian Network Improvements

This strategy involves implementation of pedestrian network improvements throughout and around the project site that encourage people to walk. It includes internally linking all uses within the project site with pedestrian facilities, such as sidewalks, and connecting the project site to the surrounding pedestrian network. The strategy also includes the elimination of barriers that impede pedestrian circulation, such as walls, landscaping, and slopes. At a minimum, project elements should include traffic calming, sidewalks on all frontages, pedestrian access via sidewalks, and block distances not exceeding 600 feet. This strategy is appropriate for all land use contexts and all types of development, and applies to all trip types. Internal pedestrian connections between the project's land uses and its parking supply do not qualify.

The maximum available VMT reduction from this strategy is 0.1%.

The formula used to calculate the reduction in VMT as a result of this strategy is as follows:

VMT Reduction based on a 0.1% blanket reduction of VMT based on the application of a commute marketing program at the site.

1.8.1.1 User Inputs

- There are no user inputs for this strategy.

1.8.1.2 Source

The application and effectiveness of this strategy, including the factors and assumptions mentioned above, are based on the following research documents:

- Handy, Sciara, Boarnet. (2014). *Impacts of Pedestrian Strategies on Passenger Vehicle Use and Greenhouse Gas Emissions.* http://www.arb.ca.gov/cc/sb375/policies/ped/walking_brief.pdf
- Pratt, Evans, Levinson. (2012). *Traveler Response to Transportation System Changes Handbook, Third Edition; Chapter 16, Pedestrian and Bicycle Facilities.* TCRP Report 95.

APPENDIX B

VMT TOOL USER AGREEMENT

VMT Tool User Agreement

The City of Santa Monica, in partnership with Fehr & Peers, has developed the Santa Monica VMT Tool to estimate project-specific daily household VMT per capita, daily work VMT per employee, and daily resident + employee VMT for land use development projects. This application, the VMT Tool, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Santa Monica. The term “City” as used below shall refer to the City of Santa Monica. The terms “City” and “Fehr & Peers” as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Tool, You agree to be bound by this VMT Tool User Agreement (this Agreement).

VMT Tool Application for the City of Santa Monica. The City’s consultant calibrated the VMT Tool’s parameters in 2020 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Tool outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Tool’s accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Tool on a computer system owned, leased, or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Tool in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Tool, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Tool.

Ownership. You understand and acknowledge that the City owns the VMT Tool, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Tool.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Tool may not be accurate. The VMT Tool, OUTPUTS, AND ASSOCIATED DATA ARE PROVIDED “as is” WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Tool is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors, or omissions arising out of your use of the VMT Tool or with respect to the material contained in the VMT Tool. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the VMT Tool, regardless of the form of action, whether in contract, tort, including negligence, strict liability, or otherwise, shall be the repair or replacement of the VMT Tool to the extent feasible as determined solely by the City. In no event shall the City or Fehr &

Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental, or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Tool, whether the data, and/or formulas contained in the VMT Tool are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Tool or one year after the beginning of Your use of the VMT Tool.

By using the VMT Tool, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Tool.

Before making decisions using the information provided in this application, contact City staff to confirm the validity of the data provided.

Print and sign below and submit to City of Santa Monica along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	______________________
Print Name:	______________________
Title:	______________________
Company:	______________________
Address:	______________________
Phone:	______________________

Appendix J
Tribal Cultural Resources Information

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Andrew Salas
Gabrieleno Band of Mission Indians- Kizh Nation
PO Box 393
Covina, CA 91723

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Chairperson Salas,

The City of Santa Monica is preparing an Environmental Impact Report (EIR) for the proposed 1633 26th Street Office Project (proposed project). The City invites your participation and consultation regarding any concerns related to Tribal Cultural Resources pursuant to Assembly Bill (AB) 52 and Public Resources Code (PRC) §21080.3.1, Formal Notification of Decision to Undertake a Project, and Notification of Consultation Opportunity. Below is a description of the project location and summary of the proposed project:

Project Location
The project site is located in the City of Santa Monica (City), in the western portion of Los Angeles County (see attached Notice of Preparation - NOP). The City of Santa Monica is a fully urbanized community and is bounded by the City of Los Angeles on the north, south, and east with the Pacific Ocean on the west. The approximately 87,651 square foot (2.01-acre) project site is located at 1633 26th Street, on the east side of 26th Street, between Pennsylvania Avenue and Colorado Avenue in the Bergamot Area Plan's Bergamot Transit Village in the City of Santa Monica. The project site is comprised of two parcels, Assessor Parcel Numbers (APN) 4268-001-025 and 4268-001-026. The site is bordered by a recently constructed 4 story office building on the north, Pennsylvania Avenue on the south, surface parking serving a 4 story office building on the east and 26th Street on the west. The project site is currently developed with a 3-story, brick, office building totaling approximately 45,429 sf and approximately 40 feet in height that was constructed in 1972. The project site also includes a surface parking lot serving the office building with 152 parking spaces (148 standard and 4 handicap).

Project Description
The project would consist of the refurbishment of the project site's existing three story, 45,529 square feet (sf) office building, and replacement of the existing 58,940 sf surface parking lot with two new four-story, creative and/or business professional office buildings. The proposed new buildings (Buildings A and B) would comprise a total of 129,256 sf of new floor area building (Building C) rising to a maximum height of 54 feet. Together, the three buildings would total approximately 174,685 sf and would form a campus-like area leaving open space in the middle as a courtyard. The approximately 10,436 sf courtyard would feature a large mature specimen tree that would be a focal point of the open space. The project would also include a three level subterranean garage with 399 parking spaces with access provided from Pennsylvania Avenue. The project would require a Development Review Permit and/or other discretionary or ministerial approvals.

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

AB52 Consultation

State law under Assembly Bill 52 (Public Resources Code Section 21080.3.1(d)) provides California Native American tribes 30 days to request consultation regarding possible significant effects that implementation of the Project may have on tribal cultural resources. The request must be in writing to the City of Santa Monica and must identify a lead contact person. The City of Santa Monica will begin the consultation process within 30 days of receiving the tribe's request for consultation. The consultation may include a discussion concerning the environmental review necessary for the Project, the significance of tribal cultural resources discovered, the significance of the Project's impacts on tribal cultural resources, and, if necessary, Project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend. The consultation does not limit the ability of the tribe to submit information to the City of Santa Monica regarding the significance of the tribal cultural resources, the significance of the Project's impact on tribal cultural resources, or any measure the tribe feels are appropriate to mitigate the potential impacts. If you wish to informally submit information, written comments may be sent to:

Rachel Kwok, Environmental Planner
City Planning, City of Santa Monica
1685 Main Street, Room 212
Santa Monica, CA 90407
e-mail at rachel.kwok@smgov.net,

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Sincerely,

Rachel Kwok, Environmental Planner
City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Anthony Morales
Gabrieleno/Tongva San Gabriel Band of Mission Indians
PO Box 693
San Gabriel, CA 91778

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Chairperson Morales,

The City of Santa Monica is preparing an Environmental Impact Report (EIR) for the proposed 1633 26th Street Office Project (proposed project). The City invites your participation and consultation regarding any concerns related to Tribal Cultural Resources pursuant to Assembly Bill (AB) 52 and Public Resources Code (PRC) §21080.3.1, Formal Notification of Decision to Undertake a Project, and Notification of Consultation Opportunity. Below is a description of the project location and summary of the proposed project:

Project Location
The project site is located in the City of Santa Monica (City), in the western portion of Los Angeles County (see attached Notice of Preparation - NOP). The City of Santa Monica is a fully urbanized community and is bounded by the City of Los Angeles on the north, south, and east with the Pacific Ocean on the west. The approximately 87,651 square foot (2.01-acre) project site is located at 1633 26th Street, on the east side of 26th Street, between Pennsylvania Avenue and Colorado Avenue in the Bergamot Area Plan's Bergamot Transit Village in the City of Santa Monica. The project site is comprised of two parcels, Assessor Parcel Numbers (APN) 4268-001-025 and 4268-001-026. The site is bordered by a recently constructed 4 story office building on the north, Pennsylvania Avenue on the south, surface parking serving a 4 story office building on the east and 26th Street on the west. The project site is currently developed with a 3-story, brick, office building totaling approximately 45,429 sf and approximately 40 feet in height that was constructed in 1972. The project site also includes a surface parking lot serving the office building with 152 parking spaces (148 standard and 4 handicap).

Project Description
The project would consist of the refurbishment of the project site's existing three story, 45,529 square feet (sf) office building, and replacement of the existing 58,940 sf surface parking lot with two new four-story, creative and/or business professional office buildings. The proposed new buildings (Buildings A and B) would comprise a total of 129,256 sf of new floor area building (Building C) rising to a maximum height of 54 feet. Together, the three buildings would total approximately 174,685 sf and would form a campus-like area leaving open space in the middle as a courtyard. The approximately 10,436 sf courtyard would feature a large mature specimen tree that would be a focal point of the open space. The project would also include a three level subterranean garage with 399 parking spaces with access provided from Pennsylvania Avenue. The project would require a Development Review Permit and/or other discretionary or ministerial approvals.

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

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City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Sandonne Goad
Gabrielino/Tongva Nation
106 1/2 Judge John Aiso Street, #231
Los Angeles, CA 90012

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Chairperson Goad,

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Planning and Community Development
City Planning Division
1685 Main Street, Room 212
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Sincerely,

Rachel

Rachel Kwok, Environmental Planner
City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Robert Dorame
Gabrielino Tongva Indians of California Tribal Council
PO Box 490
Bellflower, CA 90707

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Chairperson Dorame,

The City of Santa Monica is preparing an Environmental Impact Report (EIR) for the proposed 1633 26th Street Office Project (proposed project). The City invites your participation and consultation regarding any concerns related to Tribal Cultural Resources pursuant to Assembly Bill (AB) 52 and Public Resources Code (PRC) §21080.3.1, Formal Notification of Decision to Undertake a Project, and Notification of Consultation Opportunity. Below is a description of the project location and summary of the proposed project:

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Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

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City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Rudy Ortega
Fernandeno Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, CA 91340

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Tribal President Ortega,

The City of Santa Monica is preparing an Environmental Impact Report (EIR) for the proposed 1633 26th Street Office Project (proposed project). The City invites your participation and consultation regarding any concerns related to Tribal Cultural Resources pursuant to Assembly Bill (AB) 52 and Public Resources Code (PRC) §21080.3.1, Formal Notification of Decision to Undertake a Project, and Notification of Consultation Opportunity. Below is a description of the project location and summary of the proposed project:

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Planning and Community Development
City Planning Division
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Santa Monica, CA 90401

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Rachel Kwok, Environmental Planner
City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Charles Alvarez
Gabrielino-Tongva Tribe
23454 Vanowen Street
West Hills, CA 91307

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Mr. Alvarez,

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City of Santa Monica

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
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City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Jairo Avila
Fernandeno Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, CA 91340

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Tribal Officer Avila,

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City Planning
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Enclosures:

Notice of Preparation (NOP)

City of Santa Monica

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

June 10, 2020

Donna Yocum
San Fernando Band of Mission Indians
PO Box 221838
Newhall, CA 91322

RE: City of Santa Monica Notice: Tribal Consultation per AB 52
1633 26th Street Office Project, Environmental Impact Report

Dear Chairperson Yocum,

The City of Santa Monica is preparing an Environmental Impact Report (EIR) for the proposed 1633 26th Street Office Project (proposed project). The City invites your participation and consultation regarding any concerns related to Tribal Cultural Resources pursuant to Assembly Bill (AB) 52 and Public Resources Code (PRC) §21080.3.1, Formal Notification of Decision to Undertake a Project, and Notification of Consultation Opportunity. Below is a description of the project location and summary of the proposed project:

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The project site is located in the City of Santa Monica (City), in the western portion of Los Angeles County (see attached Notice of Preparation - NOP). The City of Santa Monica is a fully urbanized community and is bounded by the City of Los Angeles on the north, south, and east with the Pacific Ocean on the west. The approximately 87,651 square foot (2.01-acre) project site is located at 1633 26th Street, on the east side of 26th Street, between Pennsylvania Avenue and Colorado Avenue in the Bergamot Area Plan's Bergamot Transit Village in the City of Santa Monica. The project site is comprised of two parcels, Assessor Parcel Numbers (APN) 4268-001-025 and 4268-001-026. The site is bordered by a recently constructed 4 story office building on the north, Pennsylvania Avenue on the south, surface parking serving a 4 story office building on the east and 26th Street on the west. The project site is currently developed with a 3-story, brick, office building totaling approximately 45,429 sf and approximately 40 feet in height that was constructed in 1972. The project site also includes a surface parking lot serving the office building with 152 parking spaces (148 standard and 4 handicap).

Project Description

The project would consist of the refurbishment of the project site's existing three story, 45,529 square feet (sf) office building, and replacement of the existing 58,940 sf surface parking lot with two new four-story, creative and/or business professional office buildings. The proposed new buildings (Buildings A and B) would comprise a total of 129,256 sf of new floor area building (Building C) rising to a maximum height of 54 feet. Together, the three buildings would total approximately 174,685 sf and would form a campus-like area leaving open space in the middle as a courtyard. The approximately 10,436 sf courtyard would feature a large mature specimen tree that would be a focal point of the open space. The project would also include a three level subterranean garage with 399 parking spaces with access provided from Pennsylvania Avenue. The project would require a Development Review Permit and/or other discretionary or ministerial approvals.

Planning and Community Development
City Planning Division
1685 Main Street, Room 212
Santa Monica, CA 90401

AB52 Consultation

State law under Assembly Bill 52 (Public Resources Code Section 21080.3.1(d)) provides California Native American tribes 30 days to request consultation regarding possible significant effects that implementation of the Project may have on tribal cultural resources. The request must be in writing to the City of Santa Monica and must identify a lead contact person. The City of Santa Monica will begin the consultation process within 30 days of receiving the tribe's request for consultation. The consultation may include a discussion concerning the environmental review necessary for the Project, the significance of tribal cultural resources discovered, the significance of the Project's impacts on tribal cultural resources, and, if necessary, Project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend. The consultation does not limit the ability of the tribe to submit information to the City of Santa Monica regarding the significance of the tribal cultural resources, the significance of the Project's impact on tribal cultural resources, or any measure the tribe feels are appropriate to mitigate the potential impacts. If you wish to informally submit information, written comments may be sent to:

Rachel Kwok, Environmental Planner
City Planning, City of Santa Monica
1685 Main Street, Room 212
Santa Monica, CA 90407
e-mail at rachel.kwok@smgov.net,

Note that transmittal of confidential information, such as the specific location of a cultural resource, is not recommended. In such instances, you should notify the City of Santa Monica via formal letter, in person, or over the phone as the confidentiality of information transmitted via email cannot be ensured.

Your tribe's input is important to the City's planning process. We request that you advise us as early as possible if you wish to consult on the Project via phone or email. If you require any additional information or have any questions, please contact me at (310) 458-8341 or via e-mail at rachel.kwok@smgov.net. Thank you for your assistance.

Sincerely,

Rachel Kwok, Environmental Planner
City Planning
City of Santa Monica

Enclosures:

Notice of Preparation (NOP)

GABRIELENO BAND OF MISSION INDIANS - KIZH NATION
Historically known as The Gabrielino Tribal Council - San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

June 23, 2020

Project Name: 1633 26th Street Office Project located in the City of Santa Monica

Dear Rachel Kwok,

Thank you for your letter dated June 10, 2020 regarding AB52 consultation. The above proposed project location is within our Ancestral Tribal Territory; therefore, our Tribal Government requests to schedule a consultation with you as the lead agency, to discuss the project and the surrounding location in further detail.

Please contact us at your earliest convenience. ***Please Note:AB 52, "consultation" shall have the same meaning as provided in SB 18 (Govt. Code Section 65352.4).***

Thank you for your time,

Andrew Salas, Chairman
Gabrieleno Band of Mission Indians – Kizh Nation
1(844)390-0787

From: Curtis Zacuto
To: Katrina Hardt-Holoch
Subject: FW: AB52 - Consultation Call at 4:30 PM for 1633 26th Street
Date: Monday, July 20, 2020 11:10:29 AM

From: Rachel Kwok <Rachel.Kwok@SMGOV.NET>
Date: Monday, July 6, 2020 at 9:00 PM
To: Curtis Zacuto <curtis@ecotierraconsulting.com>
Subject: FW: AB52 - Consultation Call at 4:30 PM for 1633 26th Street

---

From: Rachel Kwok
Sent: Monday, July 6, 2020 9:00 PM
To: Gabrieleno Administration <admin@gabrielenoindians.org>
Cc: Andy Salas <chairman@gabrielenoindians.org>; Matthew Teutimez <Matthew.Teutimez@gabrielenoindians.org>
Subject: RE: AB52 - Consultation Call at 4:30 PM for 1633 26th Street

Hi Andy and Matt,

It was a pleasure to speak to you again last Thursday. Thank you again for the time. To confirm our phone discussion, the tribe has no further concerns about the project since the project site overlies a former clay pit. Therefore, this concludes AB52 tribal consultation. If you have further concerns, please let me know.

Thank you, and have a good week.

Rachel

From: Rachel Kwok
Sent: Thursday, July 2, 2020 11:42 AM
To: Gabrieleno Administration <admin@gabrielenoindians.org>
Subject: AB52 - Consultation Call at 4:30 PM for 1633 26th Street

Hello,

Please forward to Andy. For today's call please find a link to the copy of the Geotechnical Report for the Project Site. Refer to page 11 of the PDF. As you will read, the project site was a former claypit for decades – as such, we do not anticipate any tribal resources. Thank you

Rachel Kwok
Environmental Planner
City Planning
1685 Main Street, Room 212
PO Box 2200
Santa Monica, CA 90407

rachel.kwok@smgov.net
tel: 310 458-8341

From:	Curtis Zacuto
To:	Katrina Hardt-Holoch
Subject:	Fwd: AB52 - Consultation Call at 4:30 PM for 1633 26th Street
Date:	Tuesday, July 21, 2020 9:30:57 AM

FYI

Sent from my iPhone

Begin forwarded message:

> **From:** Rachel Kwok <Rachel.Kwok@SMGOV.NET>
> **Date:** July 21, 2020 at 8:35:16 AM PDT
> **To:** Curtis Zacuto <curtis@ecotierraconsulting.com>
> **Subject: FW: AB52 - Consultation Call at 4:30 PM for 1633 26th Street**
>
> **From:** Gabrieleno Administration <admin@gabrielenoindians.org>
> **Sent:** Friday, July 17, 2020 4:20 PM
> **To:** Rachel Kwok <Rachel.Kwok@SMGOV.NET>
> **Cc:** Matthew Teutimez <Matthew.Teutimez@gabrielenoindians.org>; Andy Salas <chairman@gabrielenoindians.org>; gabrielenoindians@yahoo.com
> **Subject:** Re: AB52 - Consultation Call at 4:30 PM for 1633 26th Street
>
> EXTERNAL
>
> Rachel,
>
> Thank you for the information that the site was a former clay pit and that subsurface ground disturbance will only occur within imported soils and not within the original disturbed and/or native soils. We have concluded that your project has low to zero potential to impact Tribal Cultural Resources (TCR) as part of your ground disturbance activities, therefore we have no concerns with your project. However, if anything changes for the project scope and additional ground disturbance is planned within original native soils, then we would like to be consulted prior to any ground disturbance activities for the protection of Tribal Cultural Resources. We thank you for your time and effort in this matter and this correspondence will officially conclude AB52 consultation for this project.
>
> Admin Specialist
> Gabrieleno Band of Mission Indians - Kizh Nation
> PO Box 393
> Covina, CA 91723
> Office: 844-390-0787
> website: www.gabrielenoindians.org

The region where Gabrieleño culture thrived for more than eight centuries encompassed most of Los Angeles County, more than half of Orange County and portions of Riverside and San Bernardino counties. It was the labor of the Gabrieleño who built the missions, ranchos and the pueblos of Los Angeles. They were trained in the trades, and they did the construction and maintenance, as well as the farming and managing of herds of livestock. "The Gabrieleño are the ones who did all this work, and they really are the foundation of the early economy of the Los Angeles area " . "That's a contribution that Los Angeles has not recognized--the fact that in its early decades, without the Gabrieleño, the community simply would not have survived."

On Mon, Jul 6, 2020 at 9:00 PM Rachel Kwok <Rachel.Kwok@smgov.net> wrote:

> Hi Andy and Matt,
>
> It was a pleasure to speak to you again last Thursday. Thank you again for the time. To confirm our phone discussion, the tribe has no further concerns about the project since the project site overlies a former clay pit. Therefore, this concludes AB52 tribal consultation. If you have further concerns, please let me know.
>
> Thank you, and have a good week.
>
> Rachel
>
> ---
>
> **From:** Rachel Kwok
> **Sent:** Thursday, July 2, 2020 11:42 AM
> **To:** Gabrieleno Administration <admin@gabrielenoindians.org>
> **Subject:** AB52 - Consultation Call at 4:30 PM for 1633 26th Street
>
> Hello,
>
> Please forward to Andy. For today's call please find a link to the copy of the Geotechnical Report for the Project Site. Refer to page 11 of the PDF. As you will read, the project site was a former claypit for decades – as such, we do not anticipate any tribal resources. Thank you
>
> **Rachel Kwok**
> *Environmental Planner*
> City Planning
> 1685 Main Street, Room 212

PO Box 2200
Santa Monica, CA 90407

rachel.kwok@smgov.net
tel: 310 458-8341

Appendix K
Utilities Information

Preliminary Hydrology Study

1633 26th Street Redevelopment

Santa Monica, CA

April 1, 2020

This Hydrology Study has been prepared by, and under the direction of, the undersigned, a duly Registered Civil Engineer in the State of California. Except as noted, the undersigned attests to the technical information contained herein, and has judged to be acceptable the qualifications of any technical specialists providing engineering data for this report, upon which findings, conclusions, and recommendations are based.

____

Michael P. Silvey, P.E.
Registered Civil Engineer No. C58651
Exp.: 12/31/2020

Prepared for:

KILROY REALTY CORPORATION

Kilroy Realty Finance Partnership, L.P.
12200 W. Olympic Blvd., Suite #200
Los Angeles, CA 90505
(310) 481-8400

Prepared by:

TAIT
RISING TO THE CHALLENGE

Tait & Associates, Inc.
701 N. Parkcenter Drive
Santa Ana, CA 92705
(714) 560-8200

TAIT JOB # **SP8516**

Table of Contents

Section 1 Purpose and Scope

This hydrology study presents an analysis of the hydrologic effects of a proposed 2.01-acre commercial redevelopment in the City of Santa Monica, California.

This report addresses runoff from the project site and its impact to the existing downstream storm drainage system. The study includes hydrologic calculations for the 50-year storm event for the proposed development. The study also details the general project characteristics, the design, criteria and methodology applied to the analysis of the project.

The plans and specifications in the Hydrology Study are not for construction purposes; the contractor shall refer to final approved construction documents for plans and specifications.

Section 2 Project Information

2.1 Project Description

Proposed improvements to the project site includes the construction of two commercial buildings of approximately 18,000 and 16,600 square feet-foot prints. The project also includes a subterranean parking garage directly underneath the two proposed buildings, a courtyard between the buildings, plus landscape areas fronting 26th Street and Pennsylvania Avenue. The existing commercial building in the southwest portion of the project site will remain under proposed conditions.

2.2 Project Location

The project is located at 1633 26th Street in the City of Santa Monica, California, on the northwest side of Pennsylvania Avenue and southeast of Colorado Avenue, as graphically shown in Figure 1 below.

Figure 1

Vicinity Map (Not To Scale)

2.3 Existing Topography and Facilities

The south-westerly third of the project site is currently occupied by an approximately 15,600 square foot-foot print commercial building. A paved parking lot encompasses the remainder of the site, with landscapes fronting 26th Street and Pennsylvania Avenue. The topography is relatively flat with slopes ranging from zero to 5 percent.

There is currently a concrete valley gutter conveying site runoffs south-easterly to Pennsylvania Avenue, and a curb gutter conveying site runoffs south-westerly to 26th Street. There are currently no underground drainage facilities on the property.

2.4 Adjacent Land Use

The project is bounded by 26th Street to the southwest, Pennsylvania Avenue to the southeast, a parking lot for a commercial development to the northeast, and a drive aisle for an office building to the northwest.

2.5 Soil Conditions

In accordance with the Los Angeles County Hydrology Manual, published in 2006, the project site is located within soil group 016, with 50-year 24-hour rainfall of 6.1 inches. See Appendix “A” of this Preliminary Hydrology Study for isohyetal map by Los Angeles County Department of Public Works.

2.6 Downstream Conditions

Runoff from the project site is conveyed south-westerly along the curb gutter in Pennsylvania Avenue, then north-westerly along the curb gutter in 26th Street, continuing past the site frontage to a curb opening catch basin at the easterly corner of Colorado Avenue and 26th Street. Runoff is then conveyed further northwest past Colorado Avenue via the City of Santa Monica maintained storm drain in 26th Street. See Appendix “A” for storm drain base map by the City of Santa Monica.

2.7 Existing Drainage Patterns

The existing site contains two distinct drainage areas. The southeast portions of the parking lot and the commercial building, plus the south-easterly frontage landscape, drain toward Pennsylvania Avenue via sheet flow and a concrete valley gutter. The remainder of the parking lot and commercial building, plus the south-westerly frontage landscape, drain toward 26th

Street via sheet flow and a curb gutter adjacent to the site's northwest boundary. There is no apparent offsite run-on from the north-easterly and north-westerly neighboring properties onto the project site, and there is no apparent runoff from the project site onto the neighboring properties. All site runoffs are then conveyed north-westerly via a street curb gutter in 26th Street to the aforementioned City of Santa Monica drainage system past Colorado Avenue. See Appendix "B" for Existing Hydrology Map for additional details.

2.8 Proposed Drainage Patterns

The proposed commercial buildings and courtyard, plus a portion of the existing commercial building, will drain south-easterly via sheet flow and a proposed curb drain outlet to Pennsylvania Avenue. The remainder of the existing commercial building will continue to drain south-westerly to 26th Street via sheet flow and the existing curb gutter adjacent to the site's northwest boundary. Same as under existing condition, proposed site runoff will be tributary to City of Santa Monica drainage system in 26th Street past Colorado Avenue.

2.9 Impervious Cover

Since the project site is currently developed with a commercial building and a paved parking lot with frontage landscape, the existing site is assumed to be 90 percent impervious. The project site under proposed condition, with two new commercial buildings and a court yard in lieu of the existing parking lot, will continue to be 90 percent impervious.

Section 3 Design Criteria and Methodology

This section summarizes the design criteria and methodology applied to the drainage analysis of the project site.

3.1 Runoff Calculation Method

Runoff calculations for this study were accomplished using the Rational Method. The Rational Method is used to determine peak storm water runoff flows for watershed areas that are less than 640 acre in accordance with the recommendations of the Los Angeles Hydrology Manual. This method was used to determine storm water runoff through each subarea using elevations, slopes, flow lengths, soil type, land use and area inputs to calculate time of concentration for the 50-year storm events. The Rational Method was modeled using the HydroCalc program which is based on the equation below:

The Rational Method is based on the equation: $(Q = C \times I \times A)$

Where:

Q = runoff (cfs)
C = runoff coefficient representing the ratio of runoff depth to rainfall depth
I = the time-averaged rainfall intensity in inches per hour corresponding to the time of concentration
A = drainage area (acres).

Existing runoff calculations for the project site are included in Appendix “C” of this Hydrology Study, and proposed runoff calculations are included in Appendix “E”.

3.2 Runoff and Detention

The proposed condition 50-year runoff from the overall project site (6.11 cfs total per calculations in Appendix “E”) is slightly higher than the existing condition 50-year runoff (5.85 cfs per Appendix “C”) per HydroCalc calculations presented in this hydrology study. However, HydroCalc only accounts for the length of a surface flow path that terminates at the project limits prior to the path leaving the site, not the offsite portion of the path from the project limits to the downstream confluence point, which would reduce overall runoff from the project site due to a longer time of concentration. The overall, confluenced proposed condition 50-year runoff from the project site is anticipated to be no more than the confluenced existing condition 50-year runoff. Therefore, peak flow mitigations are not required or proposed for this commercial development.

Section 4 Drainage Analysis and Summary Results

4.1 On-site Drainage system

As discussed above, proposed condition 50-year runoff from the project site will be conveyed offsite primarily via surface flow. However, the site's required water quality treatment volume will be intercepted by grate inlets throughout the site and routed to an underground cistern inside the proposed Building "B". Discharge from the cistern system will be pumped up to above ground and, along with 50-year flows, conveyed to the streets. The proposed water quality inlets and storm drains will be sized per this project's Final Hydrology Study, to be submitted with the site's precise grading design. See Appendix "D" for proposed hydrology map delineating the proposed onsite storm drain system.

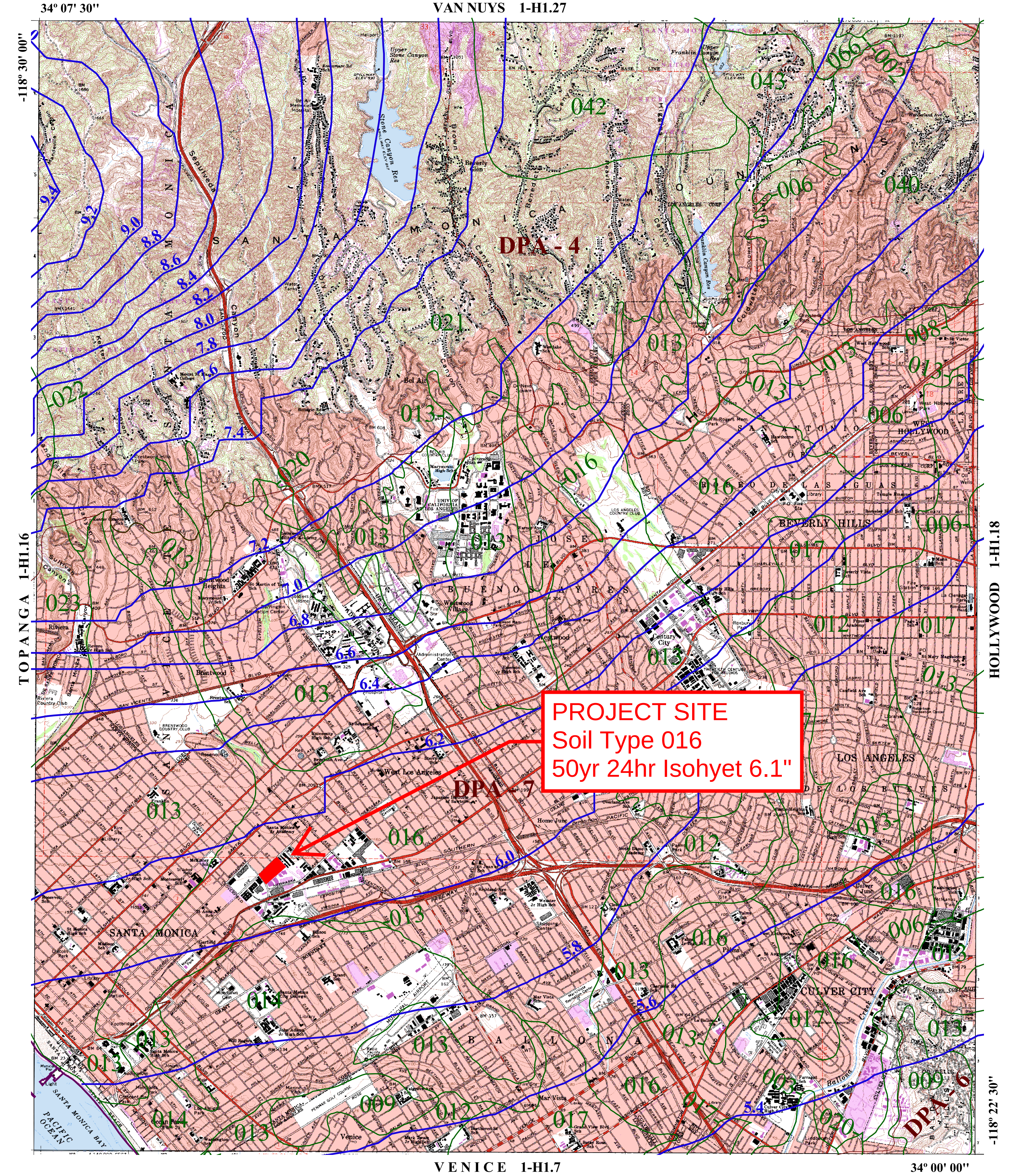
4.2 Summary of Results

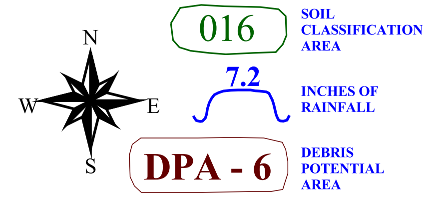
The table below summarizes the existing and proposed 50-year peak flow rates that have been calculated for each tributary area. See Appendix "B" for existing hydrology map, Appendix "C" for existing runoff calculations, Appendix "D" for proposed hydrology map, and Appendix "E" for proposed runoff calculations.

Table 1. Summary of Results

	Subarea Name	Area (Ac)	Impervious Ratio (%)	Peak Flow Rate (50-year Storm, cfs)
Existing Condition	A1	1.48	90%	4.12
	A2	0.53	90%	1.73
	Total Existing	**2.01**	**90%**	**5.85**
Proposed Condition	A1	1.67	90%	5.00
	A2	0.34	90%	1.11
	Total Proposed	**2.01**	**90%**	**6.11**

Appendix A – Reference Materials





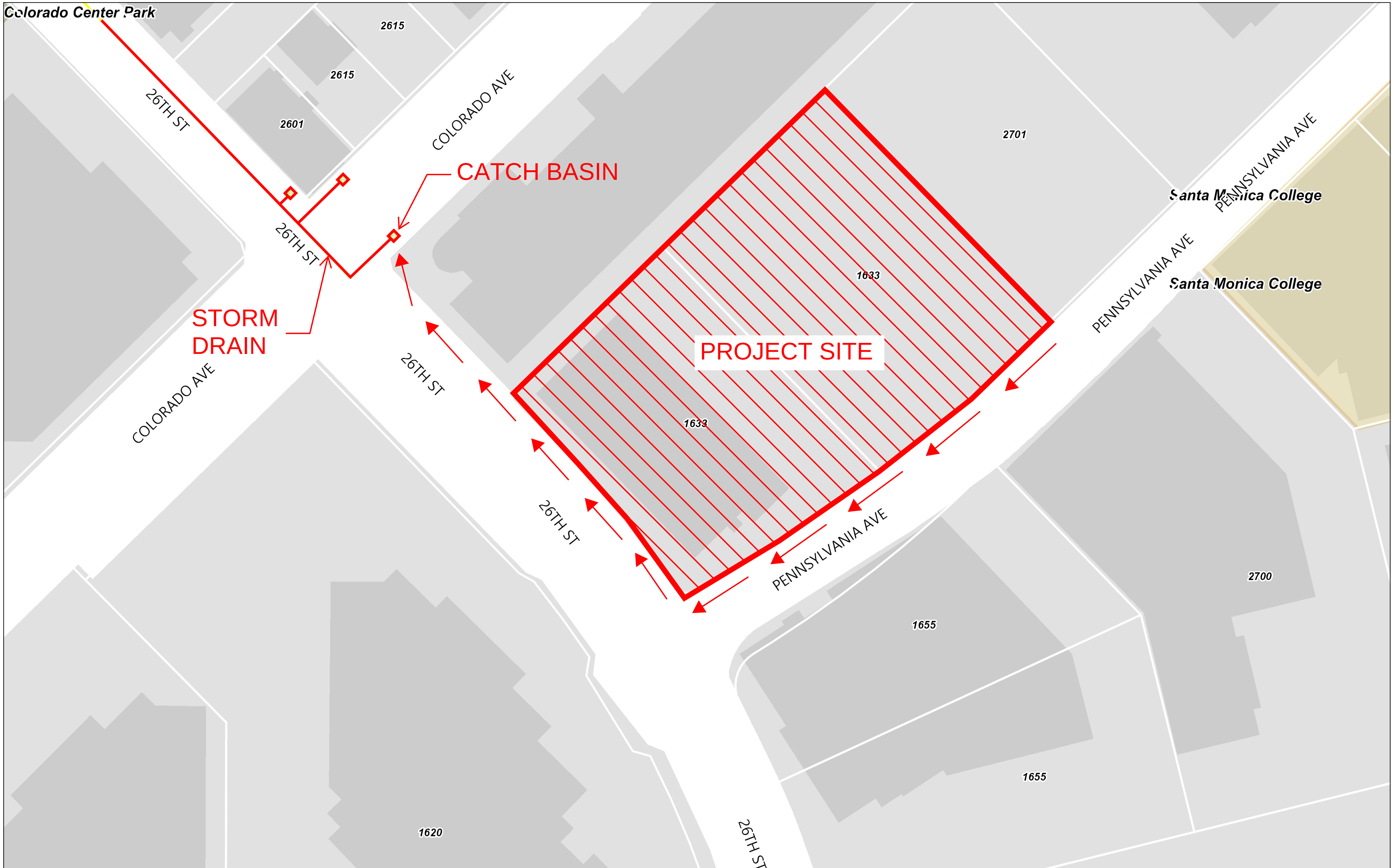
25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

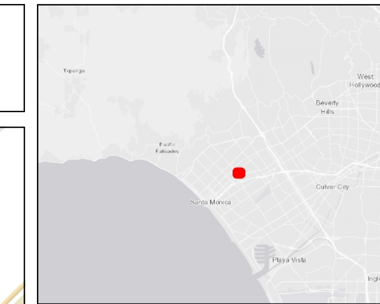
BEVERLY HILLS 50-YEAR 24-HOUR ISOHYET

1-H1.17

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

Basemap - Stormdrain





Legend

- Address Numbers
- Public Places
- City Boundary
- Storm Manhole
  - Santa Monica
  - LA County
  - CalTrans
- Storm CatchBasin
  - Santa Monica
  - LA County
  - LA City
  - CalTrans
  - Private
- Storm Flow
- Storm TreatmentTank
- Storm DischargePoint
- Storm GravityMain
- Storm LateralLine
- Storm Abandoned
  - Abandoned Main
  - Future Main
- City Boundary
- Public Facilities
  - City Facility
  - Fire Station
  - Hospital
  - Library
  - Park
  - Parking Lot
  - School
- Building Footprints 2017
- Pier
- City Blocks

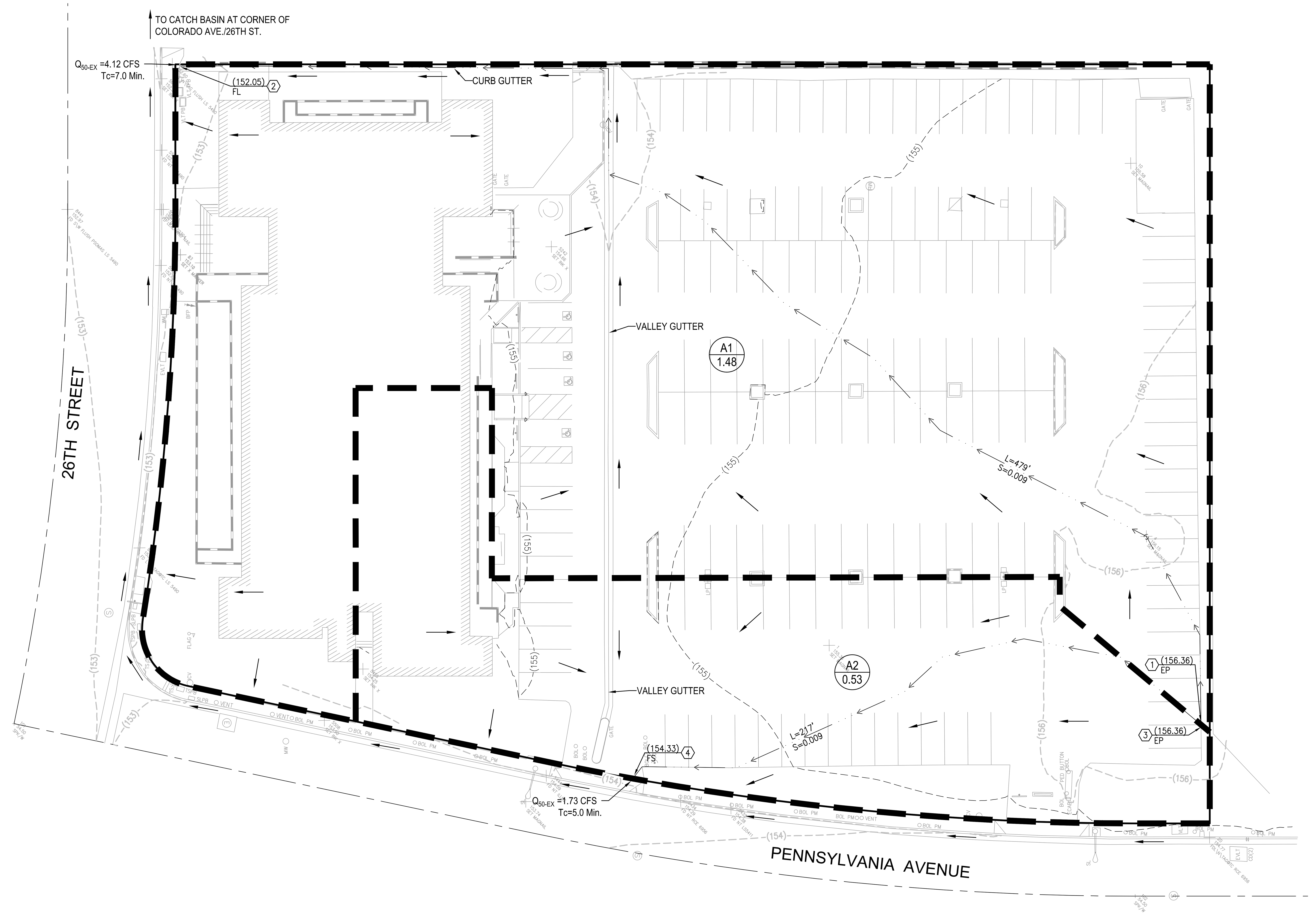
1: 1,128

0.0 0 0.02 0.0 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes

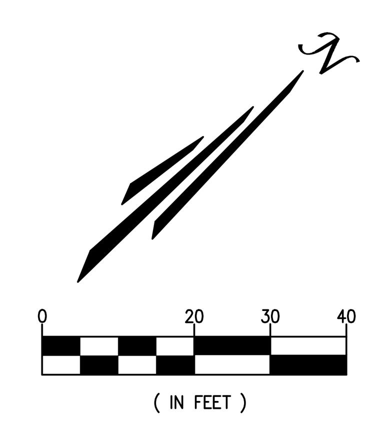
Appendix B – Existing Hydrology Map



project	subarea	area	length	slope	depth	imperviou	soil	frequency	fire	Q50
SP8516	A1	1.48	479	0.009	6.1	0.9	16	50-yr	0	4.12 CFS
SP8516	A2	0.53	217	0.009	6.1	0.9	16	50-yr	0	1.73 CFS
	TOTAL:	2.01 Ac.							TOTAL:	5.85 CFS

LEGEND

- DRAINAGE AREA BOUNDARY
- FLOW PATH
- FLOW DIRECTION
- SUBAREA ID (A1) / SUBAREA ACREAGE (X.XX)
- NODE



PREPARED UNDER THE SUPERVISION OF:

MICHAEL F. SILVEY No. C58651 EXP. 12-31-20 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

MICHAEL SILVEY, P.E. R.C.E. 58651 DATE

NO | DESCRIPTION | BY | DATE | CHK
REVISIONS

TAIT Since 1964
701 N. Parkcenter Drive Santa Ana, CA 92705
p: 714/560/8200 f: 714/560/8211 www.tait.com
Los Angeles Ontario Sacramento San Diego San Francisco Boise Dallas Denver Phoenix Portland

EXISTING HYDROLOGY MAP

1633 26TH STREET REDEVELOPMENT

1633 26TH STREET
SANTA MONICA, CA 90404

KILROY REALTY FINANCE PARTNERSHIP, L.P.
12200 WEST OLYMPIC BOULEVARD, SUITE #200
LOS ANGELES, CA 90064

DRAWN: RH
DATE: 3/11/2020
CHECKED: MS
DATE: 3/12/2020
REVISION #:
DATE:
JOB NO. SP8516

1 OF 1

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PLOTTED: 3/11/2020 4:55:33 PM BY Ricky Hwa PAGESETUP: ---- PLOTSTYLE: Tait2014.ctb

Appendix C – Existing Hydrology Calculations

Peak Flow Hydrologic Analysis

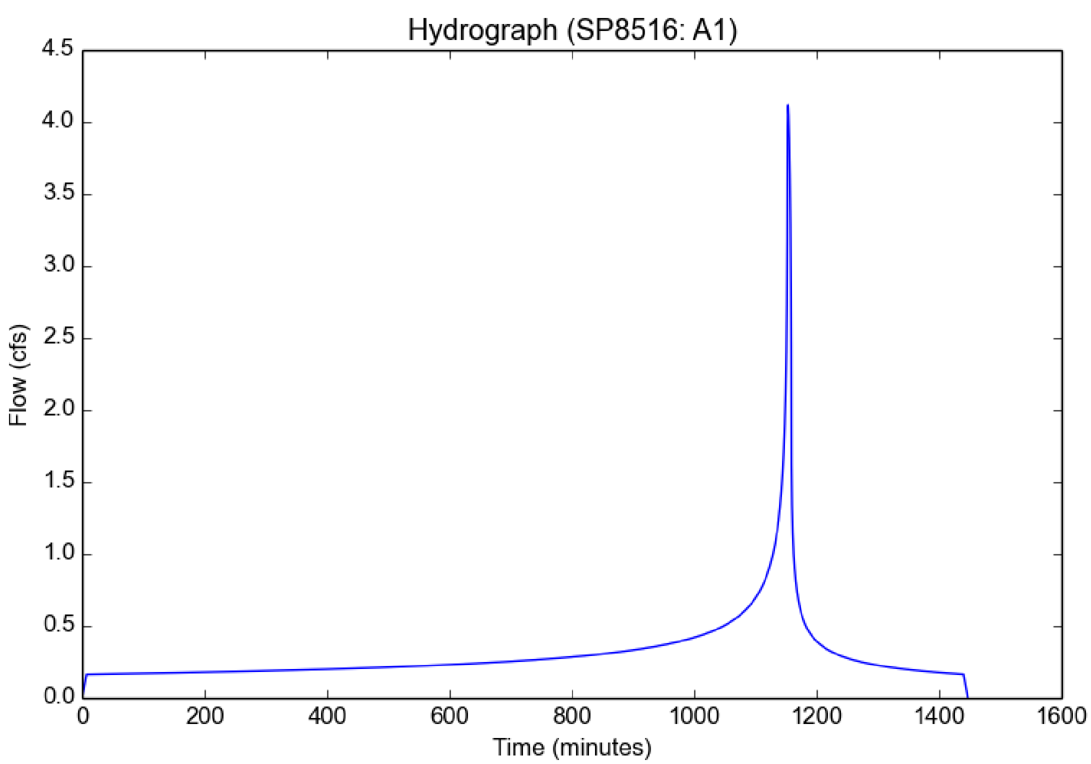
File location: K:/Drawings/SP/SP8516 - Santa Monica/Docs/Hydrology/Calcs/Existing Condition/SP8516 50-yr EX Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	SP8516
Subarea ID	A1
Area (ac)	1.48
Flow Path Length (ft)	479.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.1
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.1
Peak Intensity (in/hr)	3.1071
Undeveloped Runoff Coefficient (Cu)	0.8549
Developed Runoff Coefficient (Cd)	0.8955
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	4.1179
Burned Peak Flow Rate (cfs)	4.1179
24-Hr Clear Runoff Volume (ac-ft)	0.6193
24-Hr Clear Runoff Volume (cu-ft)	26978.211



Peak Flow Hydrologic Analysis

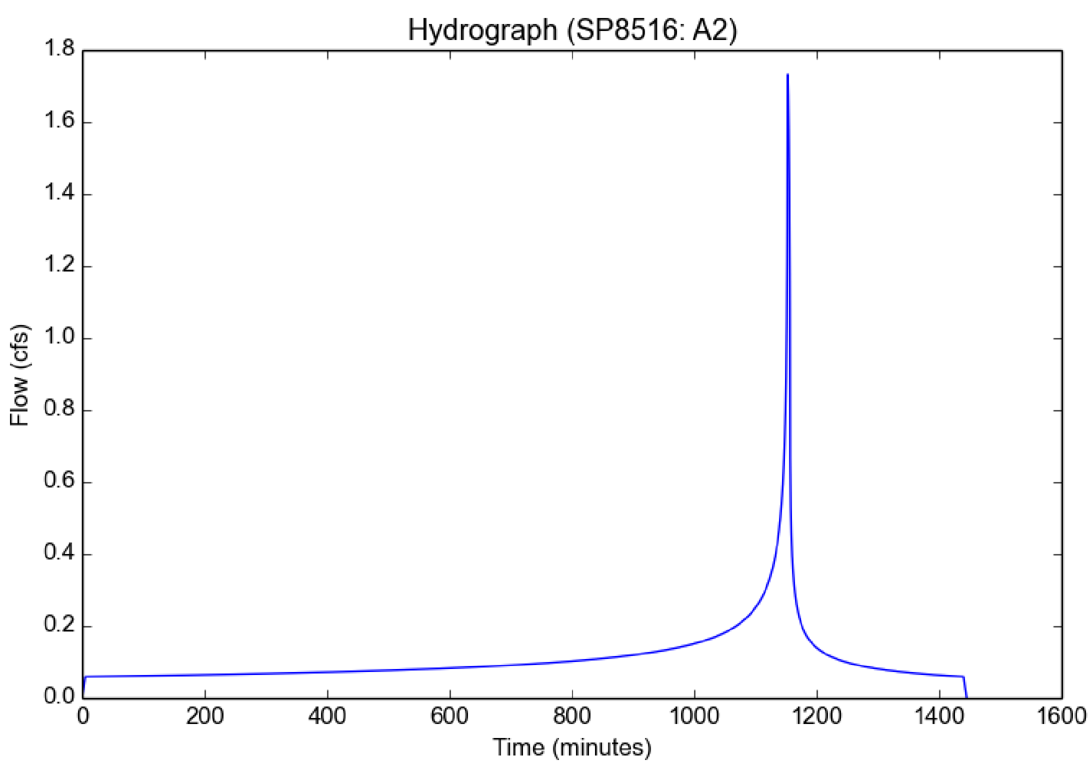
File location: K:/Drawings/SP/SP8516 - Santa Monica/Docs/Hydrology/Calcs/Existing Condition/SP8516 50-yr EX Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

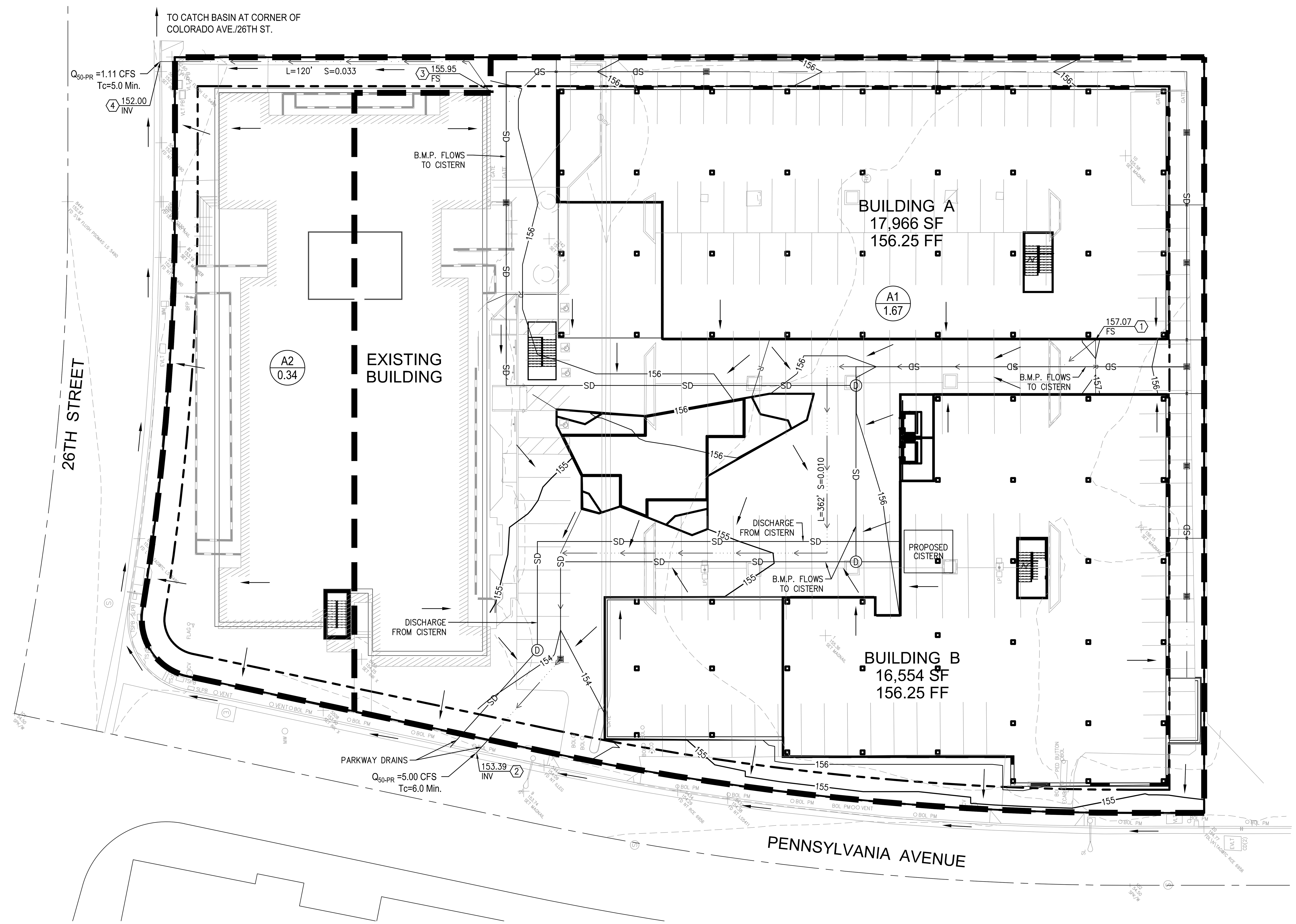
Project Name	SP8516
Subarea ID	A2
Area (ac)	0.53
Flow Path Length (ft)	217.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.1
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.1
Peak Intensity (in/hr)	3.6394
Undeveloped Runoff Coefficient (Cu)	0.8822
Developed Runoff Coefficient (Cd)	0.8982
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.7326
Burned Peak Flow Rate (cfs)	1.7326
24-Hr Clear Runoff Volume (ac-ft)	0.2218
24-Hr Clear Runoff Volume (cu-ft)	9661.3693



Appendix D – Proposed Hydrology Map



project	subarea	area	length	slope	depth	impervious	soil	frequency	fire	Q50
SP8516	A1	1.67	362	0.01	6.1	0.9	16	50-yr	0	5.00 CFS
SP8516	A2	0.34	120	0.033	6.1	0.9	16	50-yr	0	1.11 CFS
	TOTAL:	2.01 Ac.							TOTAL:	6.11 CFS

LEGEND

- DRAINAGE AREA BOUNDARY
- FLOW PATH
- FLOW DIRECTION
- A1 — SUBAREA ID
- X.XX — SUBAREA ACREAGE
- 2 — NODE

NO. | DESCRIPTION | BY | DATE | CHK
REVISIONS

0 20 30 40
(IN FEET)
1 INCH = 20 FEET

PREPARED UNDER THE SUPERVISION OF:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL F. SILVEY
No. C58651
EXP. 12-31-20
CIVIL
STATE OF CALIFORNIA

MICHAEL SILVEY, P.E. R.C.E. 58651 DATE

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Los Angeles Ontario Sacramento San Diego San Francisco Boise Dallas Denver Phoenix Portland

PROPOSED HYDROLOGY MAP

1633 26TH STREET REDEVELOPMENT

1633 26TH STREET
SANTA MONICA, CA 90404

KILROY REALTY FINANCE PARTNERSHIP, L.P.
12200 WEST OLYMPIC BOULEVARD, SUITE #200
LOS ANGELES, CA 90064

DRAWN: RH
DATE: 3/11/2020
CHECKED: MS
DATE: 3/12/2020
REVISION #:
DATE:
JOB NO: SP8516

K:\Drawings\SP\SP8516 – Santa Monica\ENG\Hydrology\SP8516–HYD–PR.dwg
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Appendix E – Proposed Hydrology Calculations

Peak Flow Hydrologic Analysis

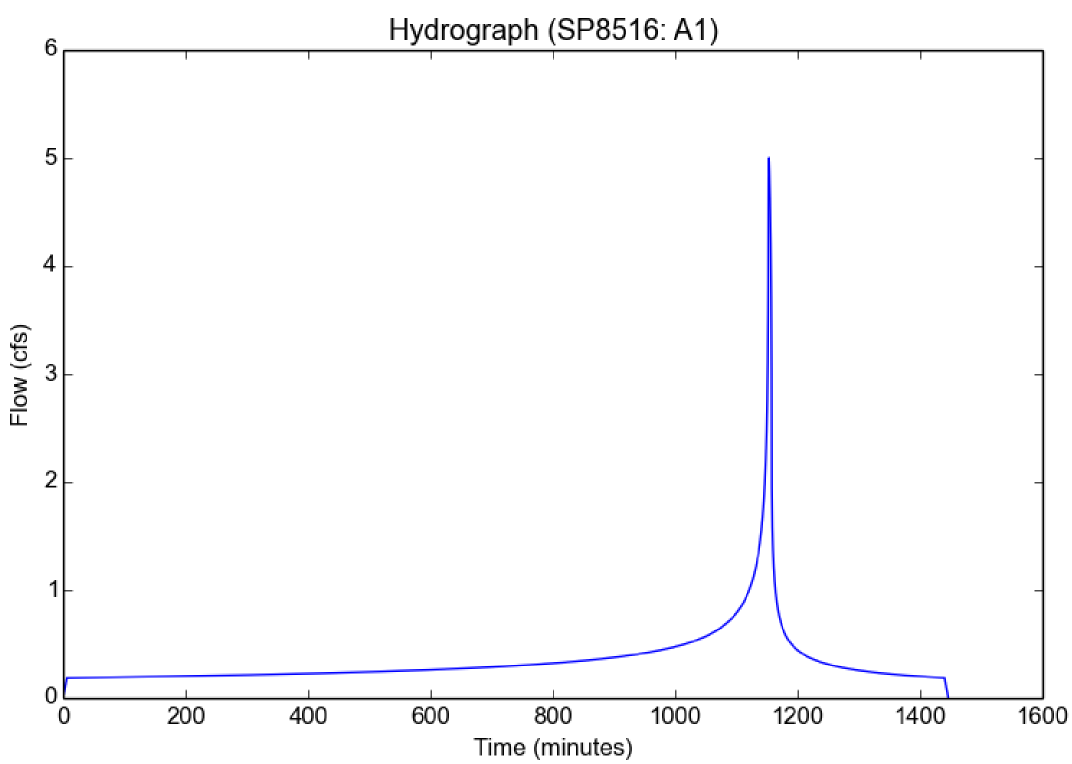
File location: K:/Drawings/SP/SP8516 - Santa Monica/Docs/Hydrology/Calcs/Proposed Condition/SP8516 50-yr PR Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	SP8516
Subarea ID	A1
Area (ac)	1.67
Flow Path Length (ft)	362.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.1
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.1
Peak Intensity (in/hr)	3.3405
Undeveloped Runoff Coefficient (Cu)	0.8669
Developed Runoff Coefficient (Cd)	0.8967
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	5.0024
Burned Peak Flow Rate (cfs)	5.0024
24-Hr Clear Runoff Volume (ac-ft)	0.6989
24-Hr Clear Runoff Volume (cu-ft)	30441.9955



Peak Flow Hydrologic Analysis

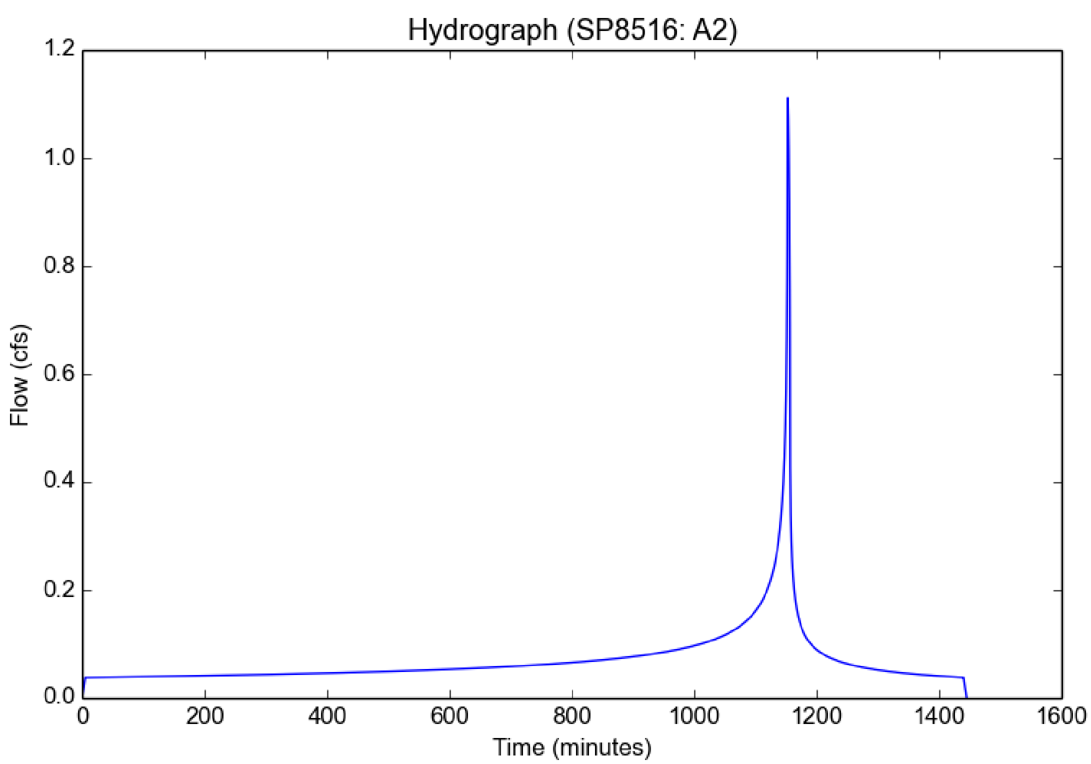
File location: K:/Drawings/SP/SP8516 - Santa Monica/Docs/Hydrology/Calcs/Proposed Condition/SP8516 50-yr PR Report.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	SP8516
Subarea ID	A2
Area (ac)	0.34
Flow Path Length (ft)	120.0
Flow Path Slope (vft/hft)	0.033
50-yr Rainfall Depth (in)	6.1
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.1
Peak Intensity (in/hr)	3.6394
Undeveloped Runoff Coefficient (Cu)	0.8822
Developed Runoff Coefficient (Cd)	0.8982
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.1115
Burned Peak Flow Rate (cfs)	1.1115
24-Hr Clear Runoff Volume (ac-ft)	0.1423
24-Hr Clear Runoff Volume (cu-ft)	6197.8595



TAIT
RISING TO THE CHALLENGE
701 N. Parkcenter Drive, Santa Ana, CA 92705
p:714/560/8200 www.tait.com

April 1, 2020
Revised November 10,2020

City of Santa Monica
1633 26TH Street
Santa Monica, CA 90404

This letter has been prepared to discuss the future development of the property located at 1633 26TH Street in Santa Monica, California and the proposed water and sewer demands. The existing property consists of a paved parking lot and 3-story office building at the corner of 26TH Street and Pennsylvania Avenue. Proposed improvements include: removal of the existing paved parking lot and constriction of two new buildings which include office spaces. The existing office building is to remain in place. Existing and proposed average daily sewer flows, total flows and flow increases are outlined below:

EXISTING FLOWS

Existing Square Footage	Occupancy	Existing Average Daily Flow (gal/1000sq ft)	Existing Average Daily Flow (gal)
45429	Off	200	9085.8

PROPOSED NEW FLOWS

Proposed Square Footage	Occupancy	Average Daily Flow (gal/1000sq ft)	Proposed Average Daily Flow (gal)
129265	Off	200	25853

TOTAL FLOW FOR BUILDOUT

Total Square Footage	Occupancy	Existing Average Daily Flow (gal/1000sq ft)	Existing Average Daily Flow (gal)
174694	Off	200	34938.8

Existing Sewer Flows for the site are conveyed to an existing 10” VCP sewer located in 26TH Street, south-west of the subject site. Flows are then conveyed to an existing 15” VCP sewer located in Colorado Avenue, north-west of the subject property. The proposed flows may be routed to the 10” in 26th Street or the 10” VCP in Pennsylvania that flows northeasterly.

Assuming domestic water to be 110% of the estimated waste water, to account for evaporation and absorption losses, it is assumed the increased demand in domestic water for the proposed improvements will be approximately 28,438 gallons per day, excluding irrigation demands. Irrigation demand ETWU is calculated to be 74,602 gallons per year. Domestic water for the subject property is provide via an existing 12” CIP waterline located in 26TH Street, south-west of the subject property or an existing 12” ACP waterline located in Pennsylvania Avenue, south-east of the subject property.

We trust that the enclosed information is sufficient for your review and approval. Please let us know if you need any additional information.

Sincerely,
TAIT & ASSOCIATES, INC.

MICHAEL P. SILVEY, PE
Vice President

APPENDIX

Estimated Total Water Use
Equation:
ETWU = (ET_o) x (0.62) x [(PF x HA/IE) + SLA]

Enter values in Pale Blue Cells
Tan Cells Show Results
Messages and Warnings

Enter Irrigation Efficiency (equal to or greater than 0.71)	0.91	
Irrigation Efficiency Default Value	0.71	

Plant Water Use Type	Plant Factor
Low	0 - 0.3
Medium	0.4 - 0.6
High	0.7 - 1.0
SLA	1.00

Hydrozone	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft^2)	PF x HA (ft^2)
1	High	0.80	0	0
2	High	0.70	0	0
3	Medium	0.50	0	0
4	Low	0.35	7,847	2,746
5	Low	0.20	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				2,746
	SLA	1	0	0
		Sum	7,847	

Results

MAWA =	109,242	ETWU=	74,602	Gallons	**ETWU complies with MAWA**
			9,973	Cubic Feet	
			100	HCF	
			0.23	Acre-feet	
			0.07	Millions of Gallons	

Maximum Applied Water Allowance Calculations for New and Rehabilitated Landscapes

Enter value in Pale Blue Cells		
Tan Cells Show Results		
Messages and Warnings		
Click on the blue cell on right to Pick City Name	Santa Monica	Name of City
ET_o of City from Appendix A	44.20	ET_o (inches/year)
Enter total landscape including SLA	7,847.08	LA (ft^2)
Enter Special Landscape Area	0.00	SLA (ft^2)
Results:		
MAWA = (ET_o) x (0.62) x [(0.55 x LA)+(0.45 x SLA)]	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons

MAWA calculation incorporating Effective Precipitation (Optional)		
ET_o of City from Appendix A	44.20	ET_o (inches/year)
Landscape Area	7,847.08	LA (ft^2)
Special Landscape Area	0.00	SLA (ft^2)
	13.50	Total annual precipitation
Enter Effective Precipitation	3.38	Eppt (in/yr)(25% of total annual precipitation)

Results:		
MAWA=$(ET_o$ - Eppt) x (0.62) x [(0.55 x LA)+(0.45 x SLA)]	109,241.75	Gallons
	14,603.55	Cubic Feet
	146.04	HCF
	0.34	Acre-feet
	0.11	Millions of Gallons

Estimated Average Daily Sewage Flows for Various Occupancies

Occupancy	Abbreviation	*Average daily flow
Apartment Buildings:		
Bachelor or Single dwelling units	Apt	150 gal/D.U.
1 bedroom dwelling units	Apt	200 gal/D.U.
2 bedroom dwelling units	Apt	250 gal/D.U.
3 bedroom or more dwelling units	Apt	300 gal/D.U.
Auditoriums, churches, etc.	Aud	5 gal/seat
Automobile parking	P	25 gal/1000 sq ft gross floor area
Bars, cocktails lounges, etc.	Bar	20 gal/seat
Commercial Shops & Stores	CS	100 gal/1000 sq ft gross floor area
Hospitals (surgical)	HS	500 gal/bed
Hospitals (convalescent)	HC	85 gal/bed
Hotels	H	150 gal/room
Medical Buildings	MB	300 gal/1000 sq ft gross floor area
Motels	MB	150 gal/unit
Office Buildings	Off	200 gal/1000 sq ft gross floor area
Restaurants, cafeterias, etc.	R	50 gal/seat
Schools:		
Elementary or Jr. High	S	10 gal/student
High Schools	HS	15 gal/student
Universities or Colleges	U	20 gal/student
College Dormitories	CD	85 gal/student

*Multiply the average daily flow by 2.5 to obtain the peak flow

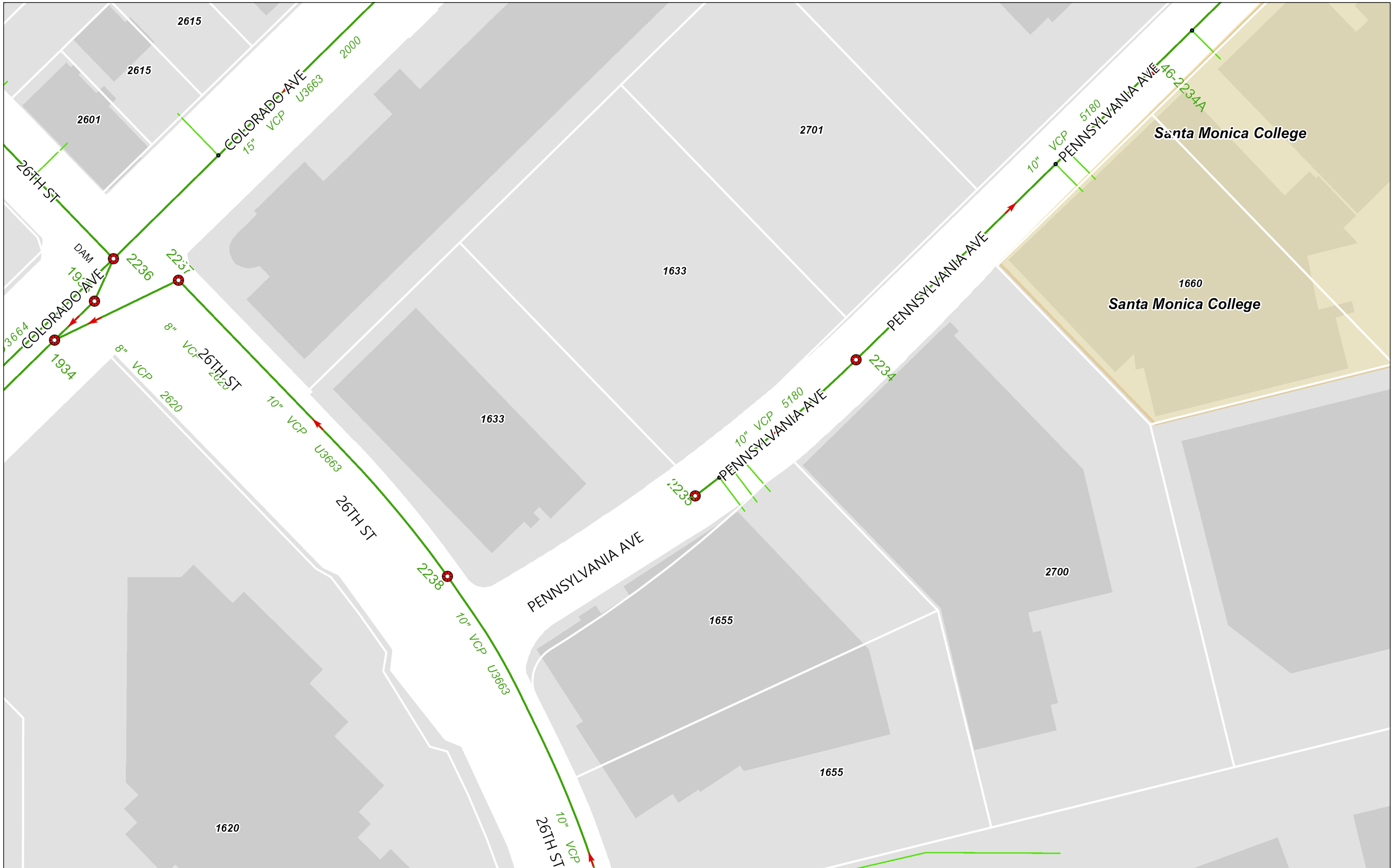
Zoning Coefficients

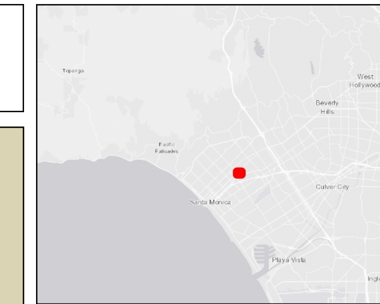
Zone	Coefficient (cfs/Acre)
Agriculture ----------------------------------	0.001
Residential*:	
R-1 --	0.004
R-2 --	0.008
R-3 --	0.012
R-4 --	0.016*
Commercial:	
C-1 through C-4 ----------------------------	0.015*
Heavy Industrial:	
M-1 through M-4 --------------------------	0.021*

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown
* Use 0.001 (cfs/unit) for condominiums only

City of Santa Monica

Basemap - Sewer





Legend

Address Numbers
Public Places
City Boundary
Sewer Flow
Sewer Fitting
- <all other values>
- Wye
- Tap
- Saddle
- Cap(Lat)
- Coupling
- Plug

Sewer Manhole
Sewer NetworkStructure
- <all other values>
- GaugingStation
- JunctionChamber
- PumpStation

Sewer Abandoned
Sewer Gravity Main
Sewer Lateral
City Boundary
Public Facilities
- City Facility
- Fire Station
- Hospital
- Library
- Park
- Parking Lot
- School

Building Footprints 2017
Pier
City Blocks

1: 1,128

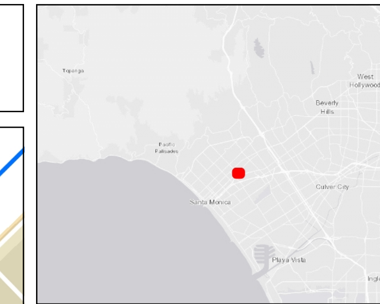
0.0 0 0.02 0.0 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes

City of Santa Monica

Basemap - Water + Reclaimed



Legend

- Address Numbers
- Public Places
- City Boundary
- SMURRF Hydrant
- SMURRF Valve
  - Air Release
  - BO
  - Gate Valve
- SMURRF Lateral
- SMURRF Main
  - <Null>
  - Abandoned
  - Existing
- Water Mains
- Water Hydrants
- Water Laterals
- Water System Valves
  - Air Release
  - Blowoff
  - Butterfly
  - Gate
  - Plug
  - Zone
- City Boundary
- Public Facilities
  - City Facility
  - Fire Station
  - Hospital
  - Library
  - Park
  - Parking Lot
  - School
- Building Footprints 2017
- Pier
- City Blocks

1: 1,128

0.0 0 0.02 0.0 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes

No Reclaimed