Soil Removal Report
California Resources Corporation
Huntington Beach Facility
20101 Goldenwest Street
Huntington Beach, California 92648

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SOIL REMOVAL REPORT
California Resources Corporation Huntington Beach Facility
20101 Goldenwest Street, Huntington Beach, California 92648

1.0 INTRODUCTION

Since 1920, the property located 20101 Goldenwest Street in Huntington Beach, California (Site) has been operated as an oil and gas production facility. As part of these operations, a Stretford Unit, which removes hydrogen sulfide from produced gas, was formerly operated in the northern part of the Site. In 2024, California Resources Corporation (CRC) removed the aboveground infrastructure of the Stretford Unit. In June 2025, CRC requested that Langan CA, Inc. (Langan) observe the continued demolition of the Former Stretford Unit with removal of underlying concrete and soil. CRC also requested that Langan observe the removal of soil containing California hazardous waste levels of lead from a separate area at the Site.

2.0 SITE DESCRIPTION

The Site is identified as Orange County Assessor Parcel Numbers (APNs) 023-181-53 and 023-181-54. It is located in the City of Huntington Beach and consists of approximately 92 acres (see **Figure 1**). The Site is bounded to the southwest by Pacific Coast Highway. The Pacific Ocean is present to the southwest. Goldenwest Street adjoins the Site to the southeast and portions of Palm Avenue adjoin the northeast end of the Site. Seapoint Street divides the two parcels, with APN 023-181-53 to the northwest and APN 023-181-54 to the southeast. The Bolsa Chica Wetlands, oil fields and residential properties are present to the northwest/north. Further residential properties are present to the east and southeast.

2.1 Site Background

Oil field operations began on the Site as early as 1920 with the drilling of the first recorded oil well. Operations prior to 1920 are unknown. Presently, the Site consists of plugged and abandoned, active and idle wells, pipelines, storage tanks, oil and gas processing equipment and storage, and office and warehouse buildings. Idle and plugged and abandoned wells are scattered throughout the Site and active wells are located along the southwestern portion of the Site. Historical pits and sumps are located adjacent to select wells. Two detention ponds are located in the southeast portion of the Site and collect stormwater from a portion of the Site.

Hydrogen sulfide was removed from produced gas at a Stretford Unit located on the northern portion of the Site. The Stretford Process utilizes vanadium to oxidize hydrogen sulfide gas into

elemental sulfur (SFA Pacific, Inc., 2002). Demolition of the Stretford Unit began in 2024 and continued in June 2025 with the removal of the former unit concrete pad and underlying soil.

2.2 Concrete and Soil Removal Purpose

During a soil investigation conducted in the fourth quarter of 2024, shallow soil samples collected around the Former Stretford Unit (see **Figure 2**) contained concentrations exceeding selected screening levels. Shallow soil samples (between 0.5 and 1.5 feet below ground surface [bgs]) in borings SB2, SB4, SB5, SB6 and SB8 from this area contained concentrations of vanadium and cadmium exceeding San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) or California Department of Toxic Substances Control (DTSC) screening levels and California hazardous waste levels. Concentrations of gasoline and diesel range petroleum hydrocarbons, naphthalene, 1-methlynapthelene, and 2-methylnapthelene also exceeded SFBRWQCB and DTSC screening levels (Langan, 2024). To complete demolition of the Former Stretford Unit, the remaining concrete and any visibly impacted underlying soil was removed.

During a separate soil investigation conducted in January 2025, Langan detected lead concentrations exceeding California hazardous waste thresholds (see **Figure 3**) in one boring in the southern historical tank farm (Soil Boring 143). In addition to lead, the shallow soil from this boring at two feet bgs also contained concentrations of diesel range petroleum hydrocarbons, naphthalene, and 1-methylnapthalene exceeding SFBRWQCB or DTSC screening levels (Langan, 2025b). Removal of the soil around boring SB143 was also included in this scope to remove the isolated California hazardous lead.

3.0 PHYSICAL SETTING

The Site is an operating oil production facility adjacent to Pacific Coast Highway. Elevation at the Site is between 30 and 40 feet above mean sea level (MSL) (USGS, 2012). Topography slopes downward to the west-southwest towards the Pacific Ocean.

The United States Geological Survey (USGS) maps soil at the Site as Quaternary alluvium and marine deposits from the Pleistocene to Holocene ages (USGS, 1966). The United States Department of Agriculture (USDA) maps soil at the Site as a combination of Marina loamy sand with zero to two or 9 to 30 percent slopes, Myford sand loam with zero to two percent slopes, beaches soil and tidal flats soil (USDA, 2025). Based on shallow soil observations, surface soil at the Site generally consists of sands. Sandy soil was observed in several of the borings to the

terminal explored depth (15 feet); however, in several borings, clay layers between one to ten feet were also observed interbedded in the sands (Langan, 2024).

The closest natural surface body of water is the Pacific Ocean approximately 200 feet west-southwest of the Site. Approximately 750 feet northwest of the Site is the mouth of the Bolsa Chica Wetlands which drain to the Pacific Ocean. During investigations following the removal of several underground storage tanks (USTs), groundwater at the Site was measured at approximately 34 feet bgs with groundwater flow to the west (Groundwater Technology, Inc., 1995). Only minor level fluctuations (less than 0.04 feet) due to tidal influences were noted. More recently, groundwater was encountered at 35.9 feet bgs during geotechnical drilling at the Site (Langan, 2025a).

4.0 PRE-CONCRETE AND SOIL REMOVAL ACTIVITES

Prior to mobilization to the Site for the concrete and soil removal, the following activities were performed.

4.1 Health and Safety

A site-specific health and safety plan (HASP) consistent with Occupational Safety and Health Administration (OSHA) hazardous waste operations and emergency response (HAZWOPER) and CRC requirements was prepared previously for the site. The HASP was updated in preparation for field activities associated with the planned demolition. The HASP was maintained at the Site and implemented during the completion of the field activities.

4.2 Underground Utility Clearance

Prior to any subsurface work, Underground Service Alert (USA), also known as Digalert, was notified a minimum of 48 hours prior to the planned demolition by CRC. Work was not commenced until all required members on the USA notification ticket responded. The Digalert ticket for this scope of work was submitted and managed by CRC.

On 24 June 2025, under observation of Langan, Advantage Geophysics, Inc (AGI) performed a geophysical survey in the Former Stretford Unit Area and around SB143 following the removal or concrete and asphalt surface cover removal. Geophysical survey tools included a Geonics EM61-MK2 time-domain instrument, a GSSI SIR 3000 Ground Penetrating Radar, a Schonstedt GA-52 magnetic gradiometer, Fisher M-Scope TW-6 pipe and cable locator, a Vivax vLoc3-Pro line tracer, and a Stonex S700a Global Navigation Satellite System receiver.

The geophysical evaluation at the Former Stretford Unit Area revealed an electromagnetic anomaly, underground lines, and other metal features generally between one and three feet bgs. The anomaly had been identified during prior geophysical evaluations at the Site and were thought to be associated with a reinforced concrete slab or structure in the shallow subsurface. A water line was also identified southeast of the proposed excavation area, located about four feet bgs.

4.3 Concrete Waste Characterization

To characterize the concrete to be removed, concrete cores or fragments from the former Stretford Unit Area were submitted for analysis. Concrete samples were collected from above the soil borings SB2, SB4, SB5, SB6, and SB8. These soil borings were identified during prior investigations to contain analyte concentrations in soil exceeding screening and/or hazardous waste levels (Langan, 2024). These borings are depicted on **Figure 2**. The five representative concrete samples were submitted to Eurofins CalScience (National Environmental Lab Accreditation Program No. 4175). The samples were composited by Eurofins CalScience on an even-weight basis. The composited sample was analyzed by United States Environmental Protection Agency (USEPA) Method 6010B/7471A for California Title 22 Metals, USEPA Method 8015B for gasoline, diesel, and oil range total petroleum hydrocarbons (TPH), and USEPA Method 8260B for volatile organic compounds (VOCs). Analytical results of the composite sample were below California Title 22 §66261.24 hazardous waste thresholds. Based on these results, concrete removed from the demolition was disposed of as concrete and demolition (C&D) debris.

Copies of the complete analytical reports for the analysis discussed in this section are included in **Appendix C**.

4.4 Backfill Material Characterization

After excavation, the area was backfilled with road base provided by CRC from a different site. The road base was submitted to Eurofins CalScience and analyzed for California Title 22 Metals via USEPA Method 6010B/7471A, for gasoline, diesel, and oil range TPH via USEPA Method 8015B, and for VOCs via USEPA Method 8260B. Only diesel range organics and metals were detected. Diesel range organics were below SFBRWQCB and DTSC residential screening levels and concentrations of metals were below California Title 22 §66261.24 hazardous waste thresholds.

Copies of the analytical reports for the analysis discussed in this section are included in **Appendix C**.

5.0 CONCRETE AND SOIL REMOVAL

Demolition in the Former Stretford Unit Area and around SB143 was completed in June and July 2025 by RTS, a contractor certified by the California Contractors State License Board. An excavator and support equipment including an electric saw, water truck, and rock truck were used to remove concrete and soil from the excavation areas. Langan provided oversight for only soil removal activities.

5.1 Surface Cover Removal

Concrete and asphalt covering the shallow impacted soil within the Former Stretford Unit Area and around SB143 was removed; this work was completed on 12 June 2025 by RTS. The removed concrete was stockpiled in the central portion of the Site, east of the Former Stretford Unit Area. Following completion of soil removal activities at the excavation areas, RTS continued breaking down the concrete to facilitate its removal and disposal as C&D debris.

5.2 Soil Removal

Based on the utility clearance and markout completed by AGI following surface cover removal, several underground lines, electromagnetic anomalies, and other underground features were expected within the excavation area. Hand tools were utilized for excavation and utility daylighting where warranted. The excavations were conducted following CRC procedures and requirements.

The underlying soil was excavated to a maximum depth of two feet bgs. Soil removal activities were completed on 12, 13, and 16 June 2025 by RTS. Based on direction by a CRC representative, given the limited amount of soil expected to be generated during excavation activities, the removed soil was collected into one stockpile to disposed of as California hazardous waste. The excavated soil was stockpiled in the central portion of the Site separate from the removed concrete, east of the Former Stretford Unit Area. The stockpile was placed on plastic sheeting, wetted, and covered with plastic sheeting at the end of each workday by RTS.

On 22 July 2025, additional soil was excavated in the area of confirmation sample StretfordEPB01 (discussed in more detail in subsequent sections of this report). Soil removed during the spot excavation was handled and stored identically to soil removed in June 2025.

5.3 Field Screening

During excavation activities, the removed soil was monitored for visual and olfactory evidence of impact. The removed soil was screened every 15 minutes using a RAE Systems MiniRAE3000

photoionization detector (PID) for VOCs. At the Former Stretford Unit Area, PID readings ranged between 3.4 and 73.9 parts per million (ppm). At the SB143 excavation area, PID readings ranged between 3.1 and 82.3 ppm. The soils were wetted as needed to reduce dust and nuisance emissions.

A PID and Thermo Scientific Niton™ XL3t GOLDD x-ray fluorescent (XRF) analyzer were used in the field to determine the actual vertical and lateral extents of concrete and soil removal. Once the proposed lateral extents and/or maximum depth of two feet bgs was reached, soil samples collected from the sidewalls and base of the excavation area were screened using a XRF analyzer. Field screening results were compared to the following action levels (reported in milligrams per kilogram [mg/kg])[1]:

- Antimony – 31 mg/kg
- Arsenic - 12 mg/kg
- Barium – 1,000 mg/kg
- Cadmium – 7.1 mg/kg
- Chromium (total) – 50 mg/kg
- Cobalt – 23 mg/kg
- Copper – 250 mg/kg
- Lead – 50 mg/kg
- Mercury – 0.67 mg/kg
- Molybdenum – 350 mg/kg
- Selenium – 10 mg/kg
- Silver – 50 mg/kg
- Thallium - 0.78 mg/kg
- Vanadium – 240 mg/kg
- Zinc – 2,500 mg/kg

The primary contaminants of concern (PCOCs) for the Former Stretford Unit Area were vanadium and cadmium; the PCOC for the excavation area at SB143 was lead.

An initial excavation area was established, centered around SB143, to cover an area of 10 feet by 10 feet. Following excavation of this area, XRF readings of soil from the base and the northeastern, northwestern, and southwestern sidewalls showed lead concentrations between 17 and 34 ppm, below the respective action level of 50 ppm. However, soil from the southeastern sidewall contained lead concentrations of 138 ppm. Consequently, the excavation area was

[1] These listed concentrations are the more stringent between the total concentration that could constitute a hazardous waste and the screening levels used in Langan, 2024. Screening levels are taken from guidance provided by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), the California Department of Toxic Substances Control (DTSC), and the United States Environmental Protection Agency (USEPA). These field screening levels were also updated from the original workplan levels following updated screening levels provided by the SFBRWQCB and DTSC in July and April 2025, respectively.

extended by 2 feet to the southeast. Following the additional excavation, XRF readings from the southeastern sidewall indicated lead concentrations of 31 ppm.

At the Former Stretford Unit Area, an initial excavation area was established to cover borings SB2, SB4, SB5, SB6, and SB8. The excavation area extended laterally to borings SB1, SB3, SB7, and halfway to SB36 which had all been identified during prior investigations to contain analyte concentrations below screening and/or hazardous waste levels. Following the initial excavation, XRF readings of soil from the northeastern, eastern, and southeastern sidewalls contained non-detectable concentrations (below the instrument detection limit of 8 ppm) of cadmium and between 89 to 161 ppm of vanadium. XRF readings from the northern, southern, southwestern, western, and northwestern sidewalls, as well as the base of the excavation area showed concentrations exceeding either or both action levels for cadmium (7.1 ppm) and vanadium (240 ppm) with maximum readings of 21 ppm for cadmium and 6,013 ppm of vanadium. Consequently, the excavation area was extended to the north, south, and west until vanadium/cadmium concentrations were below action levels or further access was prohibited by Site features.

Excavation base confirmation samples in the Former Stretford Unit Area were below vanadium/cadmium action levels with the exception of StretfordEPB01_2.0, which field screening indicated contained 702 ppm of vanadium and 18 ppm of cadmium. Upon receipt of laboratory analytical results that confirmed the field screening results, further excavation was conducted in this location. Spot removal was completed using the excavator bucket until field screening results were below action levels for vanadium. The spot removal continued until 4.5 feet bgs where field screening results were below vanadium action levels (i.e., 191 ppm of vanadium identified at 4.5 feet bgs).

5.4 Confirmation Soil Sampling and Laboratory Analysis

Once excavation limits had been reached as determined by field screening results and existing Site features, confirmation samples were collected to verify the extents based on the action levels established in **Section 5.3**. At the Former Stretford Unit, one confirmation sample was collected every 50 feet along the perimeter of the excavation area for a total of five sidewall confirmation samples. Confirmation samples were collected every 500 square feet (SF) from the bottom of this excavation area plus one additional sample for a total of eight bottom confirmation samples. At SB143, one confirmation sample was collected from each sidewall and one from the bottom of the final excavation area, for a total of five confirmation samples.

The confirmation samples were retrieved manually from within the excavation areas. Soil samples collected for analysis of VOCs were collected into USEPA Method 5035 sampling kits. Soil sampling equipment was decontaminated between sampling locations with a triple-rinse wash (washed and brushed once in a detergent solution, then twice with water). Each sample was individually identified, labeled, and stored in a chilled cooler. The samples were then transported under standard chain-of-custody procedures to a certified laboratory.

Samples were labeled using the following naming convention:

- Sidewall confirmation samples: Investigation Area Endpoint (EP) Sidewall (SW) Boring Number_Cardinal Direction_Depth Interval in Feet

  For example, StretfordEPSW01_N_1.0 would indicate a Former Stretford Unit endpoint sidewall confirmation sample, collected from the first boring advanced in northern wall of the excavation area, at a depth of one foot bgs.

- Bottom confirmation samples: Investigation Area Endpoint (EP) Bottom (B) Boring Number_Depth Interval in Feet

  For example, StretfordEPB01_2.0 would indicate a Former Stretford Unit endpoint bottom confirmation sample, collected from the first boring advanced along the base of the excavation area, at a depth of two feet bgs.

Collected samples were submitted to Eurofins CalScience (National Environmental Lab Accreditation Program No. 4175) for analysis. Samples were analyzed by the following methods:

- USEPA Methods 6010B/7471A for California Title 22 Metals
- USEPA Method 8015B for gasoline and diesel range TPH
- USEPA Method 8260B for naphthalene
- USEPA Method 8270 SIM for naphthalene, 1-methylnapthelene, and 2-methylnapthelene

The additional confirmation sample StretfordEPB01_4.5 was not analyzed by Method 8260B. Otherwise, all confirmation samples were analyzed by the bulleted methods above.

5.5 Concrete and Soil Area and Volume

The excavation completed in June 2025 at the Former Stretford Unit Area encompassed about 3,660 SF (see **Figure 2**). About 75% of this surface was paved with concrete, with an average thickness of 12 inches. Concrete and soil were removed to a depth of two feet bgs. An additional

five feet by five feet square was excavated to 4.5 feet bgs at the StretfordEPB01 confirmation sampling location. About 102 CY of concrete and 172 CY of soil were removed.

The final excavated area at SB143 depicted on **Figure 3** is about 10 feet by 13 feet. The southwestern corner of the excavation area was excavated to a depth of about eight inches bgs, until a concrete feature in the subsurface was encountered. The rest of the excavation area was extended to a depth of two feet bgs. Asphalt surface cover was approximately five inches thick. Approximately 2.0 CY of asphalt and 6 CY of soil was removed.

Removal quantities in this section represent the in-place volume prior to removal.

5.6 Waste Characterization and Disposal

Based on composite sample analysis of the concrete in planned demolition area, concrete and asphalt was disposed as C&D debris at EWLES Materials in Stanton, California. Removed soil was characterized as California hazardous waste and disposed of at the Waste Management Kettleman Hills Facility. Both the waste transporter and receiving facility were certified to transport/accept the associated waste. Waste disposal documentation provided by CRC is included in **Appendix E**. Per the documentation, 335.3 tons of soil was removed from the Former Stretford Unti and soil boring SB143 areas.

5.7 Backfilling and Surface Completion

Once the concrete and soil removal activities were completed, the works areas were backfilled with road base. As discussed in Section 4.5, the base was taken from another site and was previously sampled for Title 22 Metals, gasoline, diesel, and oil range TPH; and VOCs. Langan did not observe the backfilling and surface completion activities.

6.0 CONFIRMATION SOIL SAMPLING ANALYTICAL RESULTS

Laboratory analytical reports provided by Eurofins CalScience are included in **Appendix D**. The analytical results for collected soil samples are summarized by analyte group in the following tables:

- **Table 1** – Soil Analytical Results: Metals (Total Concentrations)
- **Table 2** – Soil Analytical Results: Metals (Soluble Concentrations)
- **Table 3** – Soil Analytical Results: Total Petroleum Hydrocarbons
- **Table 4** – Soil Analytical Results: Volatile Organic Compounds
- **Table 5** – Soil Analytical Results: Semi-Volatile Organic Compounds

Results of the confirmation soil samples for California Title 22 Metals were compared to the concentrations listed in **Section 5.3**. If necessary, collected samples were further analyzed to determine soluble concentrations of select analytes. Total analyte concentrations that were greater than ten times the §66261.24 Hazardous Waste Characteristic of Toxicity Soluble Threshold Limit Concentrations (STLC) but less than the Total Threshold Limit Concentration (TTLC) were further analyzed following the Waste Extraction Test (WET) to determine their STLC component. Total analyte concentrations that were greater than twenty times the Toxicity Characteristic Leaching Procedure (TCLP) levels were further analyzed following USEPA Method 1311 TCLP.

Other analyzed constituents were compared to the following SFBRWQCB screening levels:

- Gasoline Range TPH – 460 mg/kg
- Diesel Range TPH – 110 mg/kg
- Oil Range TPH – 12,000 mg/kg
- 1-Methylnapthelene – 0.18 mg/kg
- 2-Methylnapthalene – 0.88 mg/kg
- Naphthalene – 0.030 mg/kg

6.1 Former Stretford Unit Removal Area

Metal analysis of soil samples collected from the Former Stretford Unit Removal Area identified concentrations of antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, thallium, vanadium, and zinc above the laboratory method detection limits (**Table 1**). Of these metals, only vanadium in StretfordEPB01_2.0 exceeded the screening level (SFBRWQCB ESL for Residential Soil).

The concentrations of vanadium in samples StretfordEPSW01_NE_1.0, StretfordEPSW01_SW_1.5, and StretfordEPB01_2.0 were high enough to warrant further analysis to determine if the soluble concentration may exceed State Hazardous Waste Characteristic of Toxicity Levels. Only the STLC for vanadium in sample StretfordEPB01_2.0 exceeded the §66261.24 hazardous waste level. While not high enough to suggest further analysis, StretfordEPB01_4.5 was preemptively analyzed for its vanadium STLC. The STLC was below hazardous waste threshold (**Table 2**).

Gasoline, diesel, and oil range TPH were detected above method detection limits in multiple samples collected from the Former Stretford Unit Removal Area (**Table 3**). Of these detections, samples StretfordEPSW01_NE_1.0, StretfordEPB01_2.0, StretfordEPB03_2.0, and StretfordEPB06_2.0 contained diesel range TPH concentrations that exceeded the applicable screening level (SFBRWQCB for gross contamination).

VOC analysis identified naphthalene above method detection limits and screening levels (SFBRWQCB ESL for leaching to groundwater) in StretfordEPB01_4.5 only.

SVOCs analysis for naphthalene, 1-methylnaphthalene and 2-methylnapthlanene identified concentrations above method detection limits in samples StretfordEPSW01_NE_1.0, StretfordEPB01_2.0, StretfordEPB01_4.5, StretfordEPB03_2.0, and StretfordEPB07_2.0. Concentrations of these three compounds exceeded screening levels in StretfordEPB01_2.0 (SFBRWQCB ESL for leaching to groundwater, USEPA RSL for residential soil). The concentration of naphthalene exceeded the screening level in StretfordEPB03_2.0 (SFBRWQCB ESL for leaching to groundwater).

It should be noted that sample StretfordEPB01_2.0, which exceeded several screening levels, was removed during a return spot removal excavation.

6.2 Soil Boring SB143 Removal Area

Metal analysis of soil samples collected from the excavation area at SB143 identified concentrations of antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, vanadium, and zinc above the laboratory method detection limits (**Table 1**). Of these metals, none of the concentrations exceeded screening levels.

Gasoline, diesel, and oil range TPH were detected above method detection limits in multiple samples collected from the excavation area at SB143 (**Table 3**). Of these detections, samples SB143EPSW01_NE_1.5, SB143EPSW01_NW_1.9, and SB143EPSW01_SE_1.5 contained diesel range TPH concentrations that exceeded applicable screening levels (SFBRWQCB gross contamination).

VOC analysis for naphthalene did not identify concentrations above method detection limits in any of the confirmation samples collected from the excavation area at SB143.

SVOCs analysis for 1-methylnaphthalene and 2-methylnapthlanene identified concentrations above method detection limits in sample SB143EPSW01_SE_1.5. None of the concentrations exceeded screening levels. SVOC analysis for naphthalene did not identify any concentrations above the method detection limit.

7.0 CONCLUSION

Demolition of the Former Stretford Unit was completed in June and July 2025 with the removal of underlying concrete and soil. Asphalt and underlying soil were also removed from around soil boring SB143. Areas of approximately 3,660 SF and 130 SF were excavated in the Former Stretford Unit and soil boring SB143 areas, respectively. The depth of soil removal was determined by field screening to remove underlying soil that could constitute a hazardous waste. The depth of excavations were up to two feet bgs with the exception of a portion of the SB143 area where a subsurface concrete feature stopped excavation at eight inches bgs and a 25 SF area in the Former Stretford Unit Area where the excavation was extended to 4.5 feet bgs. Approximately 102 CY of concrete and 172 CY of soil were removed from the Former Stretford Unit Area; approximately two CY of asphalt and six CY of soil were removed from the SB143 area. Confirmation sampling analytical results verified that soil constituting a hazardous waste was removed from these areas during the demolition activities. Confirmation samples were also collected for TPH, VOC, and SVOC analytes that were not the drivers of soil removal but were identified above selected screening levels. Only concentrations of diesel range TPH and naphthalene were identified above selected screening levels in the final confirmation samples.

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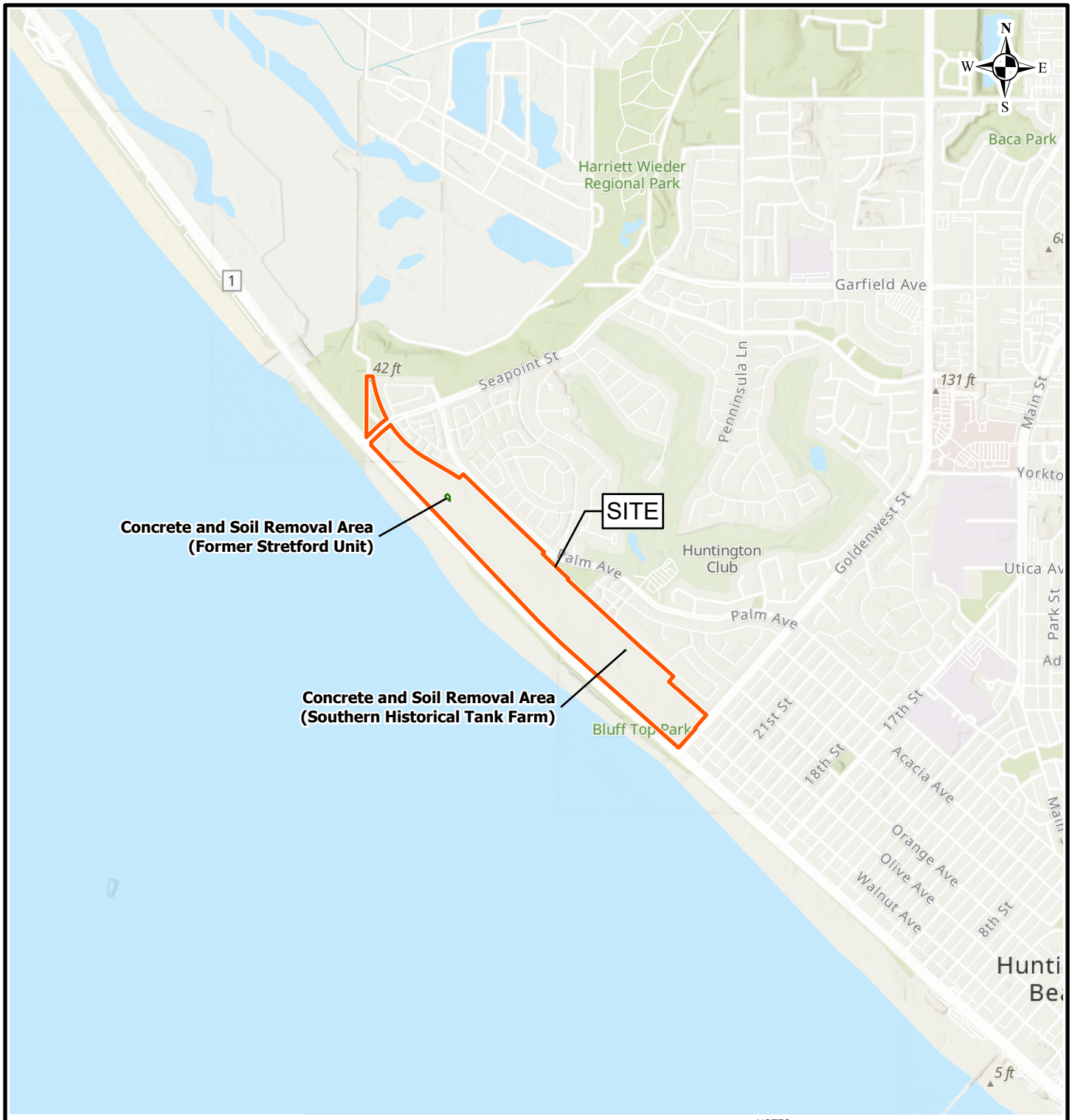
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FIGURES



Legend

- Concrete and Soil Removal Area
- Approximate Site Boundary

NOTES:
1. TOPOGRAPHIC BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE, NATIONAL GEOGRAPHIC SOCIETY, I-CUBED.

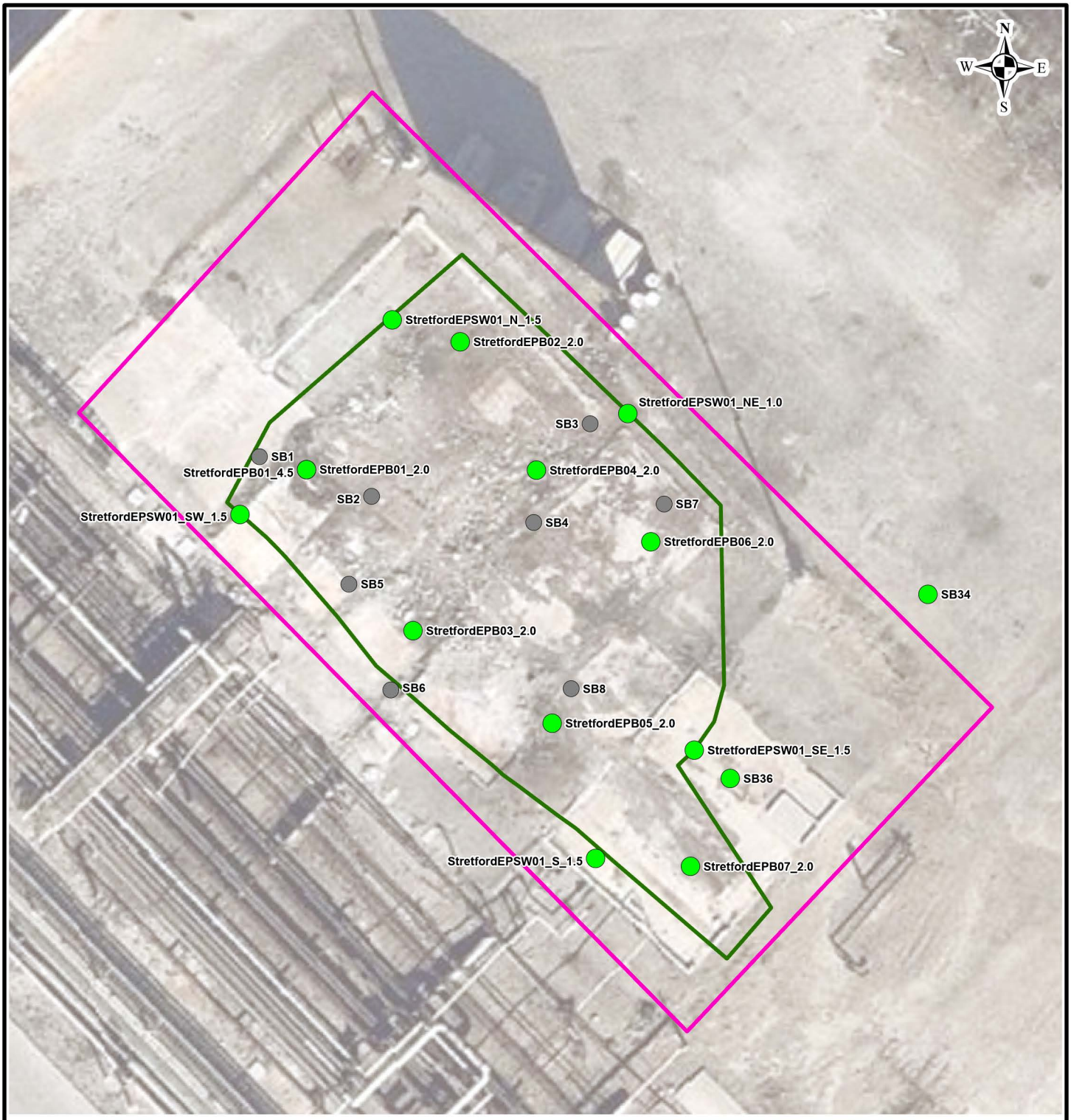
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Project	20101 GOLDENWEST STREET HUNTINGTON BEACH ORANGE COUNTY CALIFORNIA
Figure Title	SITE LOCATION MAP
Project No.	700152701
Date	9/8/2025
Scale	1" = 2,000'
Drawn By	AC
Figure No.	1

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Legend

- Soil Boring Where Shallow Sample Locations Were Removed During Soil Excavation
- Concentrations of Organic Componds and Metals Do Not Exceed Screening Levels
- Concrete and Soil Removal Area
- Former Stretford Unit

NOTES:
1. AERIAL IS PROVIDED BY NEARMAP, FLOWN 01/20/2025.
2. ALL FEATURES SHOWN ARE APPROXIMATE.

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HUNTINGTON BEACH
ORANGE COUNTY CALIFORNIA

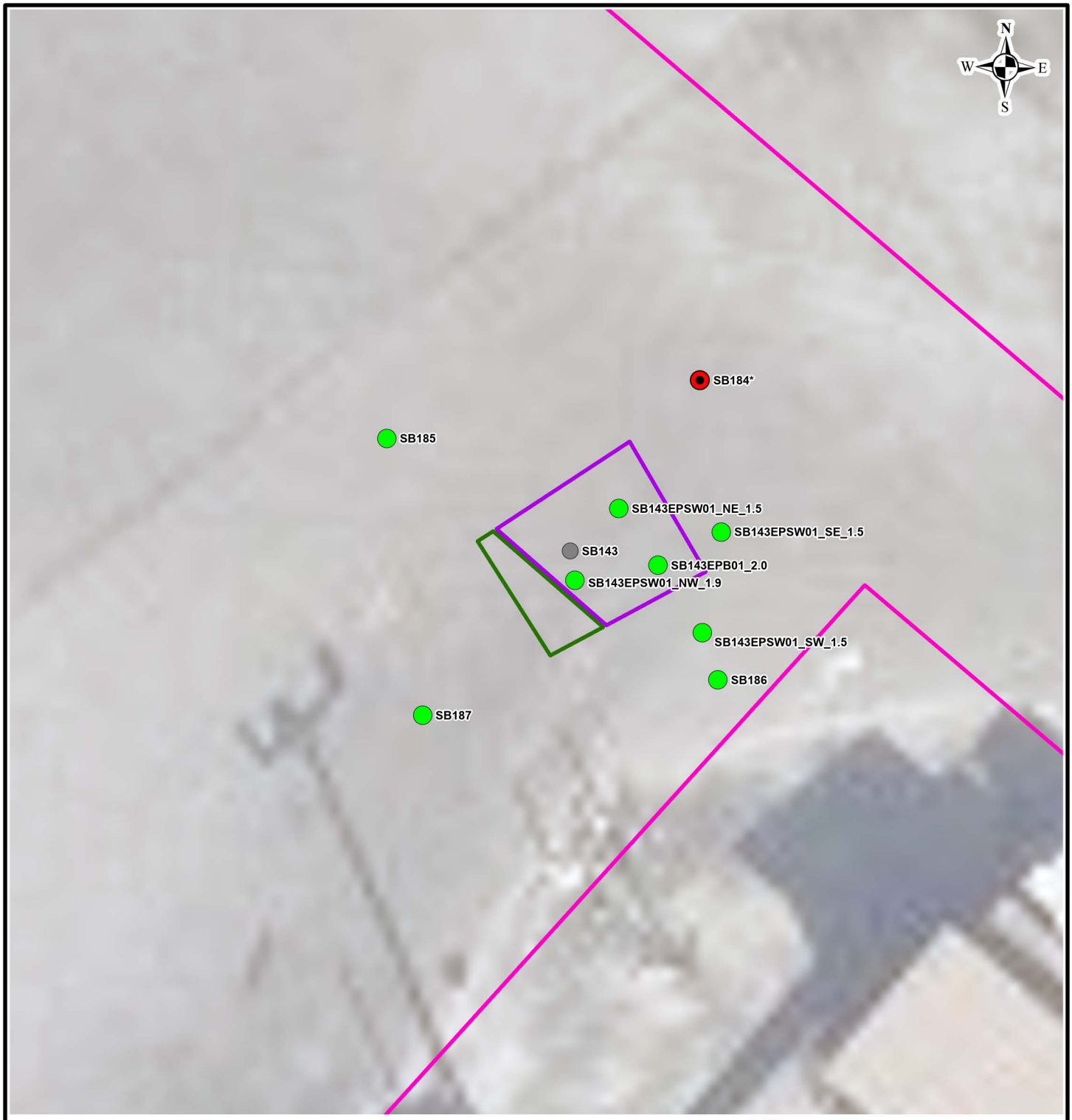
Figure Title
CONCRETE AND SOIL REMOVAL AT THE FORMER STRETFORD UNIT

Project No.	700152701
Date	8/4/2025
Scale	1" = 20'
Drawn By	AC

Figure No. 2

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Path: \\langan.com\data\IRV\data7\700152701\Project Data\ArcGIS\APRX\CRC Huntington Beach - 700152701\CRC Huntington Beach - 700152701.aprx



Legend

- Soil Boring Where Shallow Sample Locations Were Removed During Soil Excavation
- Concentrations of Organic Compounds Exceed Screening levels
- Concentrations of Organic Compounds and Metals Do Not Exceed Screening Levels
- Concrete and Soil Removal Area (to 8 inches bgs)***
- Concrete and Soil Removal Area (to 2 feet bgs)
- Southern Historical Tank Farm

NOTES:
1. AERIAL IS PROVIDED BY NEARMAP, FLOWN 01/20/2025.
2. ALL FEATURES SHOWN ARE APPROXIMATE.
3. * - BORING LOCATION WITHOUT VERTICAL DELINEATION
4. *** - A CONCRETE FEATURE WAS DISCOVERED IN THE SUBSURFACE ABOUT 8 INCHES BGS WITHIN THIS PORTION OF THE EXCAVATION AREA.
5. BGS - BELOW GROUND SURFACE

10 0 10
SCALE IN FEET

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Project
20101 GOLDENWEST STREET
HUNTINGTON BEACH
ORANGE COUNTY CALIFORNIA

Figure Title
CONCRETE AND SOIL REMOVAL AT SB143

Project No.	700152701
Date	8/4/2025
Scale	1" = 10'
Drawn By	AC

Figure No. 3

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Path: \\langan.com\data\IRV\data7\700152701\Project Data\ArcGIS\APRX\CRC Huntington Beach - 700152701\CRC Huntington Beach - 700152701.aprx

TABLES

Table 1
Soil Analytical Results: Metals (Total Concentrations)
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	SB143EPB01	SB143EPSW01_NE	SB143EPSW01_NW	SB143EPSW01_SE	SB143EPSW01_SW	STRETFORDEPB01	STRETFORDEPB01	STRETFORDEPB02	STRETFORDEPB03	STRETFORDEPB04
				Sample Name	SB143EPB01_2.0	SB143EPSW01_NE_1.5	SB143EPSW01_NW_1.9	SB143EPSW01_SE_1.5	SB143EPSW01_SW_1.5	STRETFORDEPB01_2.0	STRETFORDEPB01_4.5	STRETFORDEPB02_2.0	STRETFORDEPB03_2.0	STRETFORDEPB04_2.0
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	07/22/2025	06/16/2025	06/16/2025	06/16/2025
				Sample Depth	2	1.5	1.9	1.5	1.5	2	4.5	2	2	2
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals														
Antimony	7440-36-0	31	[3]	mg/kg	0.322 J	0.44 J	0.298 J	0.321 J	0.345 J	<0.205 U	0.912	<0.233 U	<0.225 U	<0.219 U
Arsenic	7440-38-2	12	[7]	mg/kg	5.37	5.17	8.98	7.64	7.97	1.26	4.6	1.82	1.31	2.07
Barium	7440-39-3	2300	[2]	mg/kg	234 B	124 B	99.5 B	116 B	151 B	103 B	140	24 B	63.1 B	22.6 B
Beryllium	7440-41-7	16	[3]	mg/kg	0.485 J	0.533 J	0.381 J	0.439 J	<0.485 U	0.576	1.18	<0.461 U	<0.444 U	<0.433 U
Cadmium	7440-43-9	7.1	[6]	mg/kg	0.416 J	0.173 J	0.445 J	0.227 J	0.286 J	0.175 J	<0.0999 U	<0.0831 U	0.176 J	0.258 J
Chromium, Total	7440-47-3	NS		mg/kg	16.6	16.4	16.5	17.3	18.5	21.6	29	8.65	15.6	9.94
Cobalt	7440-48-4	23	[3]	mg/kg	6.73	6.54	6.65	7.71	7.85	8.59	13.3	2.72	6.8	3.16
Copper	7440-50-8	3100	[3]	mg/kg	37.1	16.1	19.2	18.2	24.8	12.1	18.1	3.79	15.8	18.4
Lead	7439-92-1	80	[3]	mg/kg	17.9	9.66	12	17.4	17.5	5.54	9.09	2.46	5.14	3.26
Mercury	7439-97-6	0.67	[6]	mg/kg	0.274	0.0348 J	0.153	0.0688 J	0.308	0.0553 J	<0.0257 U	<0.023 U	0.0852 J	<0.0243 U
Molybdenum	7439-98-7	390	[3]	mg/kg	0.925	0.94	0.561	0.947	1.13	1.98	0.833	<0.284 U	1.02	<0.267 U
Nickel	7440-02-0	63	[2]	mg/kg	16.2	15.7	14.2	17	17.8	16	24.9	3.43	10.4	8.62
Selenium	7782-49-2	390	[3]	mg/kg	0.764	0.86	0.956	1.22	1.09	1.47	1.64	0.622	0.839	0.713
Silver	7440-22-4	390	[3]	mg/kg	<0.601 U	<0.621 U	<0.463 U	<0.564 U	<0.623 U	<0.52 U	<0.711 U	<0.592 U	<0.571 U	<0.556 U
Thallium	7440-28-0	0.78	[3]	mg/kg	<0.186 U	<0.193 U	<0.144 U	<0.175 U	<0.193 U	0.194 J	0.335 J	<0.184 U	<0.177 U	<0.173 U
Vanadium	7440-62-2	**390**	[3]	mg/kg	33	28.3	30.4	32.9	33.9	**977**	132	23.6	154	175
Zinc	7440-66-6	23000	[3]	mg/kg	129	73.6	453	59.7	86.6	49.7	61.8	23.4	43.6	59.2

Table 1
Soil Analytical Results: Metals (Total Concentrations)
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	STRETFORDEPB05	STRETFORDEPB06	STRETFORDEPB07	STRETFORDEPSW01_N	STRETFORDEPSW01_NE	STRETFORDEPSW01_S	STRETFORDEPSW01_SE	STRETFORDEPSW01_SW
				Sample Name	STRETFORDEPB05_2.0	STRETFORDEPB06_2.0	STRETFORDEPB07_2.0	STRETFORDEPSW01_N_1.5	STRETFORDEPSW01_NE_1.0	STRETFORDEPSW01_S_1.5	STRETFORDEPSW01_SE_1.5	STRETFORDEPSW01_SW_1.5
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025
				Sample Depth	2	2	2	1.5	1	1.5	1.5	1.5
				Unit	Result	Result	Result	Result	Result	Result	Result	Result
Metals												
Antimony	7440-36-0	31	3	mg/kg	0.291 J	<0.221 U	<0.214 U	<0.219 U	0.479 J	<0.232 U	<0.241 U	0.548 J
Arsenic	7440-38-2	12	7	mg/kg	3.13	3.8	4.44	3.23	4.18	4.84	3.99	4.81
Barium	7440-39-3	2300	2	mg/kg	61.1 B	55.4	134	54.4	92.4	61	128	71.9
Beryllium	7440-41-7	16	3	mg/kg	0.406 J	<0.438 U	<0.423 U	<0.433 U	<0.497 U	0.498 J	0.797	0.517 J
Cadmium	7440-43-9	7.1	6	mg/kg	0.0892 J	0.118 J	0.226 J	<0.0781 U	0.618 J	0.136 J	<0.0859 U	1.82
Chromium, Total	7440-47-3	NS		mg/kg	17.5	16.3	17.2	15.6	20.3	16.7	19.9	16.6
Cobalt	7440-48-4	23	3	mg/kg	6.44	7.88	8.05	7.98	7.39	6.43	8.52	6.78
Copper	7440-50-8	3100	3	mg/kg	16.1	12.8	45.4	13.2	34.7	15.7	17	23.8
Lead	7439-92-1	80	3	mg/kg	9.02	6.26	6.08	4.09	11.7	5.49	5.27	6.5
Mercury	7439-97-6	0.67	6	mg/kg	<0.0265 U	<0.0256 U	0.0461 J	<0.0243 U	0.0373 J	<0.0252 U	<0.0291 U	0.298
Molybdenum	7439-98-7	390	3	mg/kg	0.596	0.514 J	0.719	0.585	1.85	0.401 J	0.401 J	0.518 J
Nickel	7440-02-0	63	2	mg/kg	10.6	10.8	12.4	9.91	17.4	10.2	16.4	14.5
Selenium	7782-49-2	390	3	mg/kg	1.19	1.09	1.15	0.818	<0.474 U	1.33	1.18	1.28
Silver	7440-22-4	390	3	mg/kg	<0.522 U	<0.562 U	<0.544 U	<0.556 U	<0.639 U	<0.589 U	<0.611 U	<0.581 U
Thallium	7440-28-0	0.78	3	mg/kg	0.169 J	<0.174 U	<0.169 U	<0.173 U	<0.198 U	0.187 J	0.212 J	0.217 J
Vanadium	7440-62-2	**390**	3	mg/kg	35.6	32.7	153	30.5	267	221	89.8	342
Zinc	7440-66-6	23000	3	mg/kg	43.4	33.9	65.9	32.4	149	42.9	52.7	52.6

Table 1
Soil Metals Analytical Results
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Notes:

Soil results were compared Site-specific screening levels that are a compilation of [1] EPA RSL Residential Soil (November 2024), RWQCB [2] Soil Direct Exposure Construction Worker: Any Land Use ESL, [3] Soil Direct Exposure Residential ESL, [4] Leaching to Groundwater ESL, [5] Soil Gross Contamination ESL, and [6] Soil Odor Nuisance ESL (July 2025), [7] CA DTSC Residential Soil (May 2022), and [8] Average Background Arsenic Concentration from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" published by the CA DTSC (2008) Concentration (TTLC) (1998)

RWQCB - Regional Water Quality Control Board

ESL - Environmental Screening Level

DTSC - Department of Toxic Substance Control

CAS - Chemical Abstract Service

NS - No standard

mg/kg - Milligrams per kilogram

NA - Not Analyzed

MDL - Method Detection Limit

<MDL - Not detected

Qualifiers:

J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is an estimated concentration.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the MDL.

B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds Site-Specific Soil Screening Levels

Table 2
Soil Analytical Results: Metals (Soluble Concentrations)
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	CalEPA STLC	Location	STRETFORDEPB01	STRETFORDEPB01	STRETFORDEPSW01_NE	STRETFORDEPSW01_SW
			Sample Name	STRETFORDEPB01_2.0	STRETFORDEPB01_4.5	STRETFORDEPSW01_NE_1.0	STRETFORDEPSW01_SW_1.5
			Sample Date	06/16/2025	07/22/2025	06/13/2025	06/13/2025
			Sample Depth	2	4.5	1	1.5
			Unit	Result	Result	Result	Result
Metals - STLC							
Vanadium	7440-62-2	24	mg/l	54.5	2.76	9.77	15.4

Notes:
STLC Soil Lechate results were compared to CA EPA Title 22 Class I Non-RCRA Criteria (July 2004)
EPA - Environmental Protection Agency
RCRA - Resource Conservation and Recovery Act
STLC - Soluble Threshold Limit Concentration
CAS - Chemical Abstract Service
NS - No standard
mg/l - Milligrams per liter
MDL - Method Detection Limit
<MDL - Not detected

Exceedance Summary:
10 - Result exceeds CAEPA Soluble Threshold Limit Concentration (STLC)

Table 3
Soil Analytical Results: Total Petroleum Hydrocarbons
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	SB143EPB01	SB143EPSW01_NE	SB143EPSW01_NW	SB143EPSW01_SE	SB143EPSW01_SW	STRETFORDEPB01	STRETFORDEPB01	STRETFORDEPB02	STRETFORDEPB03
				Sample Name	SB143EPB01_2.0	SB143EPSW01_NE_1.5	SB143EPSW01_NW_1.9	SB143EPSW01_SE_1.5	SB143EPSW01_SW_1.5	STRETFORDEPB01_2.0	STRETFORDEPB01_4.5	STRETFORDEPB02_2.0	STRETFORDEPB03_2.0
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	07/22/2025	06/16/2025	06/16/2025
				Sample Depth	2	1.5	1.9	1.5	1.5	2	4.5	2	2
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (C04-C12) GRO	PHCC4C12	460	[3]	mg/kg	0.043 J	0.096	<0.048 U	<0.036 U	<0.034 U	3.4	0.9	<0.043 U	0.19
Petroleum Hydrocarbons (C13-C22) DRO	PHCC13C22	**110**	[5]	mg/kg	**240**	**480**	**800**	**330**	98	**6,300**	24	6.2	**190**
Petroleum Hydrocarbons (C23-C40) ORO	PHCC23C40	12000	[3]	mg/kg	1,500	2,400	3,100	2,400	930	490	6.6 J	28	300

Table 3
Soil Analytical Results: Total Petroleum Hydrocarbons
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	STRETFORDEPB04	STRETFORDEPB05	STRETFORDEPB06	STRETFORDEPB07	STRETFORDEPSW01_N	STRETFORDEPSW01_NE	STRETFORDEPSW01_S	STRETFORDEPSW01_SE	STRETFORDEPSW01_SW
				Sample Name	STRETFORDEPB04_2.0	STRETFORDEPB05_2.0	STRETFORDEPB06_2.0	STRETFORDEPB07_2.0	STRETFORDEPSW01_N_1.5	STRETFORDEPSW01_NE_1.0	STRETFORDEPSW01_S_1.5	STRETFORDEPSW01_SE_1.5	STRETFORDEPSW01_SW_1.5
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025
				Sample Depth	2	2	2	2	1.5	1	1.5	1.5	1.5
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Petroleum Hydrocarbons													
Petroleum Hydrocarbons (C04-C12) GRO	PHCC4C12	460	[3]	mg/kg	0.037 J	<0.048 U	0.058 J	0.087 J	0.063 J	0.14	<0.037 U	<0.044 U	<0.04 U
Petroleum Hydrocarbons (C13-C22) DRO	PHCC13C22	**110**	[5]	mg/kg	13	<5.1 U	<5 U	**380**	<5.1 U	**310**	<5.1 U	<5.5 U	19
Petroleum Hydrocarbons (C23-C40) ORO	PHCC23C40	12000	[3]	mg/kg	20 J	35	<5 U	7,800	<5.1 U	990	<5.1 U	<5.5 U	98

Table 1
Soil Metals Analytical Results
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Notes:

Soil results were compared Site-specific screening levels that are a compilation of [1] EPA RSL Residential Soil (November 2024), RWQCB [2] Soil Direct Exposure Construction Worker: Any Land Use ESL, [3] Soil Direct Exposure Residential ESL, [4] Leaching to Groundwater ESL, [5] Soil Gross Contamination ESL, and [6] Soil Odor Nuisance ESL (July 2025), [7] CA DTSC Residential Soil (May 2022), and [8] Average Background Arsenic Concentration from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" published by the CA DTSC (2008) Concentration (TTLC) (1998)

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NS - No standard

mg/kg - Milligrams per kilogram

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B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds Site-Specific Soil Screening Levels

Table 4
Soil Analytical Results: Volatile Organic Compounds
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	SB143EPB01	SB143EPSW01_NE	SB143EPSW01_NW	SB143EPSW01_SE	SB143EPSW01_SW	STRETFORDEPB01	STRETFORDEPB02	STRETFORDEPB03	STRETFORDEPB04
				Sample Name	SB143EPB01_2.0	SB143EPSW01_NE_1.5	SB143EPSW01_NW_1.9	SB143EPSW01_SE_1.5	SB143EPSW01_SW_1.5	STRETFORDEPB01_2.0	STRETFORDEPB02_2.0	STRETFORDEPB03_2.0	STRETFORDEPB04_2.0
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025
				Sample Depth	2	1.5	1.9	1.5	1.5	2	2	2	2
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
Naphthalene	91-20-3	**0.03**	[4]	mg/kg	<0.0033 U	<0.0039 U	<0.0037 U	<0.0032 U	<0.003 U	**5.3**	<0.0037 U	**<0.17 U**	<0.0035 U

Table 4
Soil Analytical Results: Volatile Organic Compounds
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	STRETFORDEPB05	STRETFORDEPB06	STRETFORDEPB07	STRETFORDEPSW01_N	STRETFORDEPSW01_NE	STRETFORDEPSW01_S	STRETFORDEPSW01_SE	STRETFORDEPSW01_SW
				Sample Name	STRETFORDEPB05_2.0	STRETFORDEPB06_2.0	STRETFORDEPB07_2.0	STRETFORDEPSW01_N_1.5	STRETFORDEPSW01_NE_1.0	STRETFORDEPSW01_S_1.5	STRETFORDEPSW01_SE_1.5	STRETFORDEPSW01_SW_1.5
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025
				Sample Depth	2	2	2	1.5	1	1.5	1.5	1.5
				Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds												
Naphthalene	91-20-3	**0.03**	[4]	mg/kg	<0.0036 U	<0.0044 U	<0.0036 U	<0.0036 U	<0.0037 U	<0.0035 U	<0.004 U	<0.0034 U

Table 1
Soil Metals Analytical Results
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Notes:

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B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds Site-Specific Soil Screening Levels

Table 5
Soil Analytical Results: Semi-Volatile Organic Compounds
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	SB143EPB01	SB143EPSW01_NE	SB143EPSW01_NW	SB143EPSW01_SE	SB143EPSW01_SW	STRETFORDEPB01	STRETFORDEPB01	STRETFORDEPB02	STRETFORDEPB03	STRETFORDEPB04
				Sample Name	SB143EPB01_2.0	SB143EPSW01_NE_1.5	SB143EPSW01_NW_1.9	SB143EPSW01_SE_1.5	SB143EPSW01_SW_1.5	STRETFORDEPB01_2.0	STRETFORDEPB01_4.5	STRETFORDEPB02_2.0	STRETFORDEPB03_2.0	STRETFORDEPB04_2.0
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	06/16/2025	07/22/2025	06/16/2025	06/16/2025	06/16/2025
				Sample Depth	2	1.5	1.9	1.5	1.5	2	4.5	2	2	2
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds														
1-Methylnaphthalene	90-12-0	**0.18**	[1]	mg/kg	<0.058 U	<0.028 U	<0.056 U	0.063 J	<0.059 U	**33**	0.04	<0.0055 U	0.14	<0.0057 U
2-Methylnaphthalene	91-57-6	**0.87**	[4]	mg/kg	<0.056 U	<0.027 U	<0.053 U	0.077 J	<0.056 U	**49**	0.046	<0.0053 U	0.19	<0.0054 U
Naphthalene	91-20-3	**0.03**	[4]	mg/kg	**<0.2 U**	**<0.095 U**	**<0.19 U**	**<0.19 U**	**<0.2 U**	**8.9**	<0.021 U	<0.019 U	**0.031**	<0.019 U

Table 5
Soil Analytical Results: Semi-Volatile Organic Compounds
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Analyte	CAS Number	Site-Specific Soil Screening Levels		Location	STRETFORDEPB05	STRETFORDEPB06	STRETFORDEPB07	STRETFORDEPSW01_N	STRETFORDEPSW01_NE	STRETFORDEPSW01_S	STRETFORDEPSW01_SE	STRETFORDEPSW01_SW
				Sample Name	STRETFORDEPB05_2.0	STRETFORDEPB06_2.0	STRETFORDEPB07_2.0	STRETFORDEPSW01_N_1.5	STRETFORDEPSW01_NE_1.0	STRETFORDEPSW01_S_1.5	STRETFORDEPSW01_SE_1.5	STRETFORDEPSW01_SW_1.5
				Sample Date	06/16/2025	06/16/2025	06/16/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025	06/13/2025
				Sample Depth	2	2	2	1.5	1	1.5	1.5	1.5
				Unit	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds												
1-Methylnaphthalene	90-12-0	**0.18**	[1]	mg/kg	<0.0058 U	<0.0058 U	<0.0058 U	<0.006 U	0.054	<0.0061 U	<0.0065 U	<0.0061 U
2-Methylnaphthalene	91-57-6	**0.87**	[4]	mg/kg	<0.0056 U	<0.0055 U	0.0083 J	<0.0057 U	0.058	<0.0059 U	<0.0062 U	<0.0059 U
Naphthalene	91-20-3	**0.03**	[4]	mg/kg	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.021 U	<0.021 U	<0.022 U	<0.021 U

Table 1
Soil Metals Analytical Results
CRC Huntington Beach Property
Huntington Beach, CA
Langan Project No.: 700152701

Notes:

Soil results were compared Site-specific screening levels that are a compilation of [1] EPA RSL Residential Soil (November 2024), RWQCB [2] Soil Direct Exposure Construction Worker: Any Land Use ESL, [3] Soil Direct Exposure Residential ESL, [4] Leaching to Groundwater ESL, [5] Soil Gross Contamination ESL, and [6] Soil Odor Nuisance ESL (July 2025), [7] CA DTSC Residential Soil (May 2022), and [8] Average Background Arsenic Concentration from "Determination of a Southern California Regional Background Arsenic Concentration in Soil" published by the CA DTSC (2008) Concentration (TTLC) (1998)

RWQCB - Regional Water Quality Control Board

ESL - Environmental Screening Level

DTSC - Department of Toxic Substance Control

CAS - Chemical Abstract Service

NS - No standard

mg/kg - Milligrams per kilogram

NA - Not Analyzed

MDL - Method Detection Limit

<MDL - Not detected

Qualifiers:

J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is an estimated concentration.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the MDL.

B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds Site-Specific Soil Screening Levels

APPENDIX A

GEOPHYSICAL SURVEY REPORT

Advantage Geophysics, Inc.
Gilbert, Arizona
San Diego, California
Vancouver, Washington
www.advantagegeophysics.com

June 24, 2025

Mr. Travis Knight
Langan
18575 Jamboree Road, Suite 150
Irvine, California 92612

Subject: **Geophysical Evaluation**
CRC Huntington Beach Facility, Huntington Beach, California
Project No. 2025132

Dear Mr. Knight:

Advantage Geophysics (Advantage) has conducted an additional geophysical evaluation for the subject project located in Huntington Beach, California. The purpose of this evaluation was to assess additional areas for the potential presence of subsurface structures, debris, foundations, backfilled excavations, and detectable utilities within designated portions of the project site.

Previous evaluations were conducted from November 20 through December 13, 2024, and January 13 through January 24, 2025, with findings presented in reports dated December 31, 2024, and March 11, 2025, respectively. The most recent evaluation took place on June 12, 2025. This document summarizes the methodology, equipment used, analysis, and findings from our most recent study.

SCOPE OF SERVICES

Our scope of services for the project included:

- Performance of a geophysical evaluation to assess additional areas for the potential presence of subsurface structures, debris, foundations, backfilled excavations, and detectable utilities.
- Site reconnaissance including field mapping of surface structures at and near the study area.
- Compilation and analysis of the data collected.
- Preparation of this report presenting our findings, conclusions, and recommendations.

SITE AND PROJECT DESCRIPTION

The project site is located at 20101 Goldenwest Street in Huntington Beach, California (Figure 1). Specifically, the site is located along Pacific Coast Highway 1 between Goldenwest Street and Seapoint Street. The subject project is currently an operating oil field with active electric lines, wastewater lines, water lines, gas lines, sumps, storm drains, etc. Figures 2-1 and 2-2 illustrate the approximate limits of the study areas, while Figure 3 illustrates the general site conditions observed during our evaluations. The study areas have been labeled as Former Reinforced Area and Former Stretford Unit. The former Reinforced Area is located within the Southern Historic Tank Farm area as detailed in the report dated March 11, 2025.

Based on our discussions with you and review of historical aerial images and maps provided by your office, it is our understanding that the site has been used as an oil field for many years. It is also our understanding that underground storage tanks (USTs) may be in the areas of interest; however, the only known locations are in the Southern Historic Farm area. Additionally, our understanding is that

abandoned oil wells, active/abandoned utilities, and remnant building foundations may exist within the study areas.

GEOPHYSICAL INSTRUMENTATION AND APPLICATIONS

Our evaluation included the use of a Geonics model EM61-MK2 time-domain instrument, GSSI SIR 3000 Ground Penetrating Radar (GPR) units using a 400 MHz transducer, Schonstedt GA-52 magnetic gradiometer, Fisher M-Scope TW-6 pipe and cable locator, Vivax vLoc3-Pro line tracer and Stonex S700a Global Navigation Satellite System (GNSS) receiver.

The EM61 instrument is a high-resolution, electromagnetic (EM) time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long-time-interval (measured in milliseconds) after the termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a very sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets. Conductive objects to a depth of approximately 11 feet generally can be detected.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected to the antenna at boundaries in the subsurface across which there is an electrical contrast. The recorder continuously makes a record of the reflected energy as the antenna is moved across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The EM wave travels at a velocity unique to the material properties of the ground being studied, and when these velocities are known, or closely estimated from ground conductivity values and other information, two-way travel times can be converted to depth. Penetration into the ground and resolution of the GPR images produced are a function of ground electrical conductivity and dielectric constant. Images tend to be graphic, even at considerable depth, in sandy soils, but penetration and resolution may be limited in more conductive clayey moist ground.

The magnetic gradiometer has two fluxgate magnetic fixed sensors that are passed close to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits an audible signal at a low frequency. When the instrument passes over buried iron or steel objects (so that the field is significantly different at the two sensors) the frequency of the emitted sound increases. Frequency is a function of the gradient between the two sensors.

The M-Scope TW-6 device energizes the ground by producing an alternating primary magnetic field with alternating current (AC) in the transmitting coil. If conducting materials (including soils) are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents and outputs an audio response. The strength of the secondary field is a function of the conductivity of the object, its size, and its depth and position relative to the instrument's two coils. Conductive objects to a depth of approximately 10 feet are sensed. Also, the device is somewhat focused, that is, it is more sensitive to conductors below (and above) the instrument than to conductors off to the side.

Where risers are present, the Vivax vLoc3-Pro utility locator transmitter can be connected to the object, and a current is impressed on the conductor pipe or cable. The receiver unit is tuned to this same frequency, and it is used to trace the pipe's surface projection away from the riser. The transmitter and

receiver can also be used in a non-connect (induction) mode, whereby the transmitter is positioned on the ground and an electromagnetic signal is emitted. In the presence of buried metal pipes and wires, a discrete signal will be induced on the conductor which can be sensed by the receiver. In addition, the instrument may be used in the passive mode, whereby radio and 60 Hz electromagnetic signals produced by communication and live electric lines are detected.

EVALUATION METHODOLOGY AND ANALYSIS

The collection of EM61 data was performed in conjunction with a Stonex S700a GNSS receiver unit for spatial control. The limits of our study area were generally selected by you (see Figures 2-1 and 2-2). Traverses with the EM61 were conducted across accessible portions of the study area along generally northwest-southeast or northeast-southwest transects spaced approximately 5 feet apart. GPR traverses were conducted along roughly northeast-southwest and northwest-southeast transects spaced approximately 3 to 5 feet apart. GPR and EM61 traverses were also conducted along random profiles across and near detected features. Traverses with the M-Scope and gradiometer were conducted in accessible portions of the study area along transects spaced approximately 10 feet apart. The line tracer was used in passive, direct connect, and inductive modes to delineate the presence of underground utilities in the study area. The recorded EM61 data were downloaded to a portable computer in the field for preliminary analysis. Significant anomalies, as well as detectable underground utilities, were marked on the ground with surface paint, photographed, mapped, and reported to you upon completion of our time on site. Figure 3 illustrates the general site conditions observed during our evaluation, including site obstructions and existing structures.

RESULTS AND RECOMMENDATIONS

The geophysical evaluation identified two EM anomalies and multiple active utilities and unidentified lines within the study areas (Figures 2-1, 2-2, 4-1, and 4-2). The EM anomalies, labeled Anomaly A and Anomaly B, are shown in Figures 2-1, 2-2, 3, 4-1, and 4-2. Several high-amplitude EM responses were also recorded, likely corresponding to buried metallic pipes or utilities (represented as unidentified lines) and remnants of former structures, including building elements, metallic debris, and capped or abandoned utilities. While GPR detected utility trenches, no larger backfilled excavation features were observed. The following sections summarize the findings for each study area.

The evaluation of the **Former Reinforced Area** identified candidate EM Anomaly A (Figures 2-1, 3, and 4-1). EM data and line-tracing efforts confirm the presence of underground lines and a metallic feature within the shallow subsurface, generally between 1 and 3 feet deep. Anomaly A appears as a cluster of high-amplitude EM responses with a somewhat irregular geometry. This anomaly was discovered on earlier efforts at this site; however, during that phase of the study was thought to be associated with a reinforced concrete slab or structure in the shallow subsurface. GPR traverses over candidate EM Anomaly A were inconclusive as to the cause or nature of this feature, but the size and shape suggest that it should be evaluated by more direct methods (e.g., exploratory trenches, test pits, borings, etc.).

The evaluation of the **Former Stretford Unit** area yielded candidate EM Anomaly B (Figure 2-2, 3, and Figure 4-2). Additionally, it is clear from the EM data and the line tracing efforts that underground lines and other debris exist in the shallow subsurface (between 1 and 3 feet) throughout the study area. Anomaly B appears as a grouping of high-amplitude EM responses with a somewhat irregular shape. GPR traverses over candidate EM Anomaly B were inconclusive as to the cause or nature of this feature, but the size and shape suggest that this feature is a good candidate for evaluation by more direct methods (e.g., exploratory trenches, test pits, borings, etc.).

Our study utilized industry-standard equipment (i.e., GPR, electromagnetic, and magnetic instruments) and was conducted in general accordance with current practice. It should be noted that the presence of surface objects (i.e., metal debris) may have potentially limited the study. Where obstructions were present, subsurface data could not be collected. Moreover, EM/magnetic responses produced by metal surface objects, reinforced concrete, and underground lines can potentially obscure subsurface features. Radar penetration at the site was approximately 3 to 4 feet below the ground surface; therefore, objects below this depth would not have been detected with GPR.

LIMITATIONS

The field evaluation and geophysical analyses presented within this document have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, express or implied, is made regarding the conclusions and opinions presented within this document. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist, and conditions not observed or described in this document may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface evaluation or exploration. Additional subsurface evaluations can be performed upon request.

This document is intended to be used only in its entirety. No portion of the document itself is designed to completely represent any aspect of the project described herein. Should the reader require additional information or have questions regarding the content, interpretations presented, or completeness of this document please contact the undersigned for clarification. This document is intended exclusively for use by the client. Any use of or reuse of the findings, conclusions, or recommendations presented herein by parties other than the client is undertaken at said parties' sole risk.

Please also note that our evaluation was limited to the detection of USTs and backfilled tank excavations, as well as the presence of detectable underground lines. "USA" or "Dig Alert" should also be contacted prior to conducting subsurface exploration activities. In addition, we recommend that available utility plans/drawings of the project site be reviewed as appropriate.

We appreciate the opportunity to be of service. Should you have questions, please contact the undersigned at your convenience.

Respectfully submitted,
Advantage Geophysics, Inc.





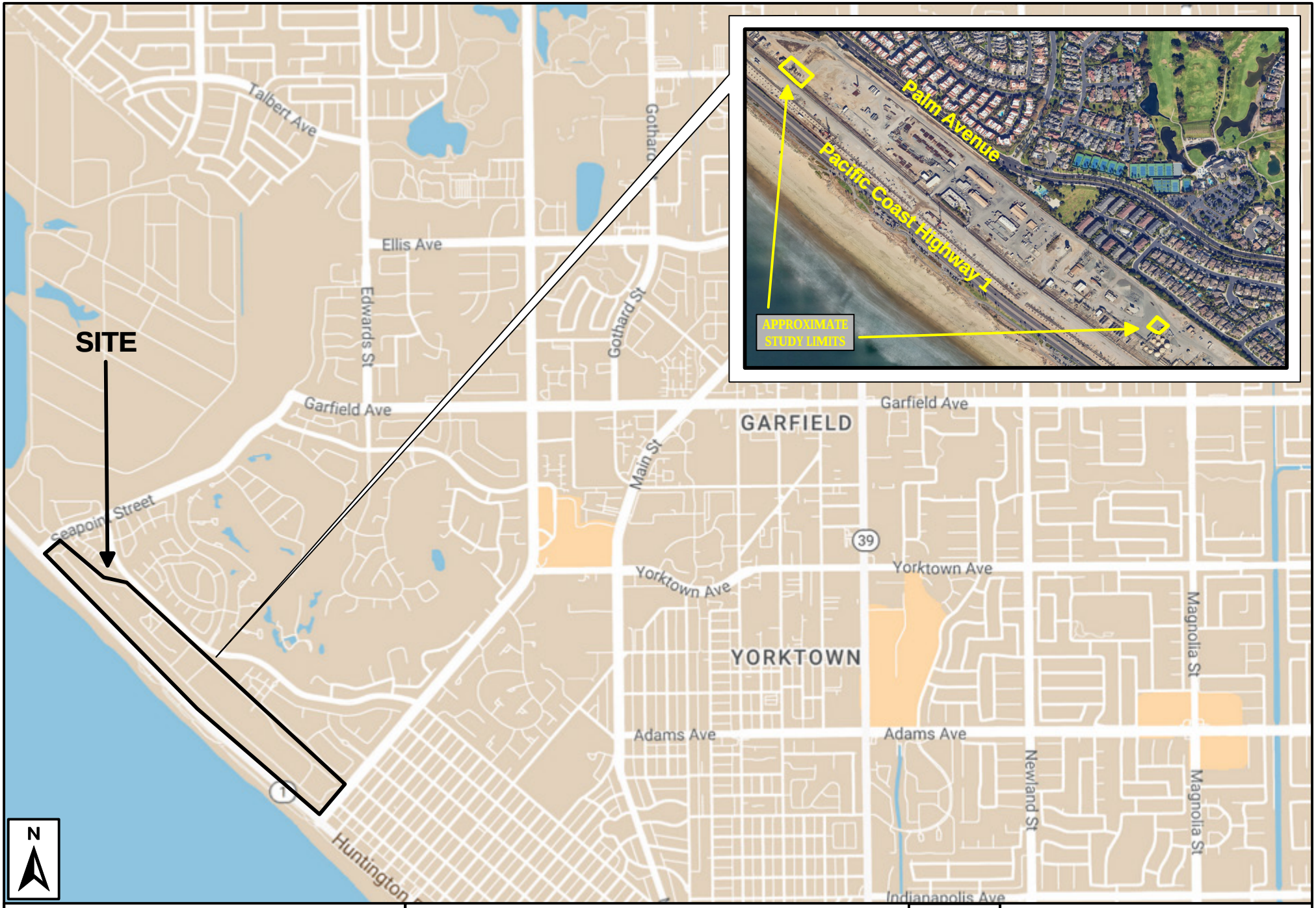
Ricardo Hernandez
Project Geophysicist

Patrick F. Lehrmann, P.G., P.Gp. 1043
Principal Geologist/Geophysicist

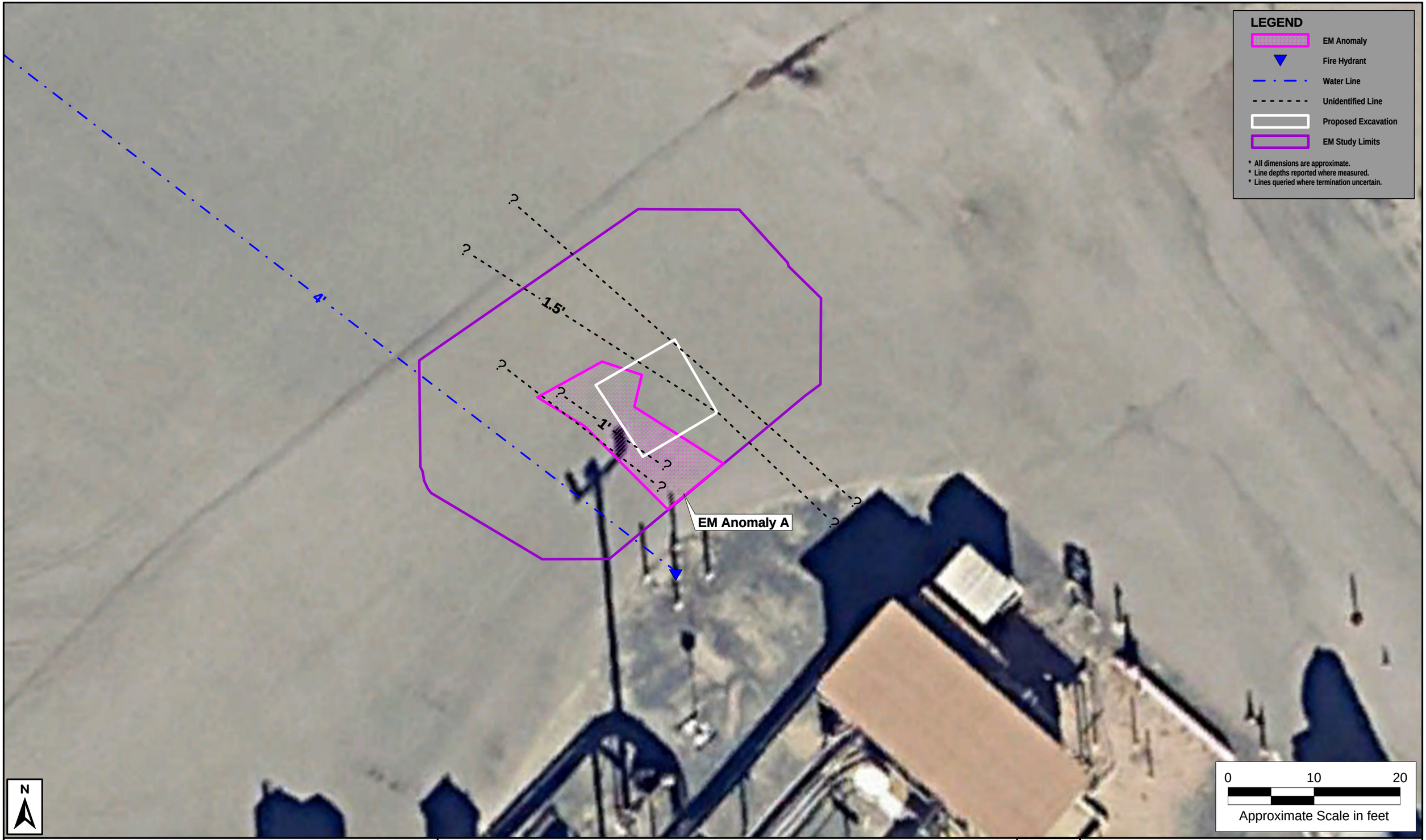
RH:SGM:PL

Attachments:
Figure 1: Site Location Map
Figure 2-1: Site Map, Former Reinforced Area
Figure 2-2: Site Map, Former Stretford Unit
Figure 3: Site Photographs
Figure 4-1: Site Data Map, Former Reinforced Area
Figure 4-2: Site Data Map, Former Stretford Unit

Distribution: tknight@langan.com



Site Location Map	CRC Huntington Beach Facility Huntington Beach, California	Figure 1	Advantage GEOPHYSICS
	Project No.: 2025132	Date: 06/25	



Site Map
Former Reinforced Area

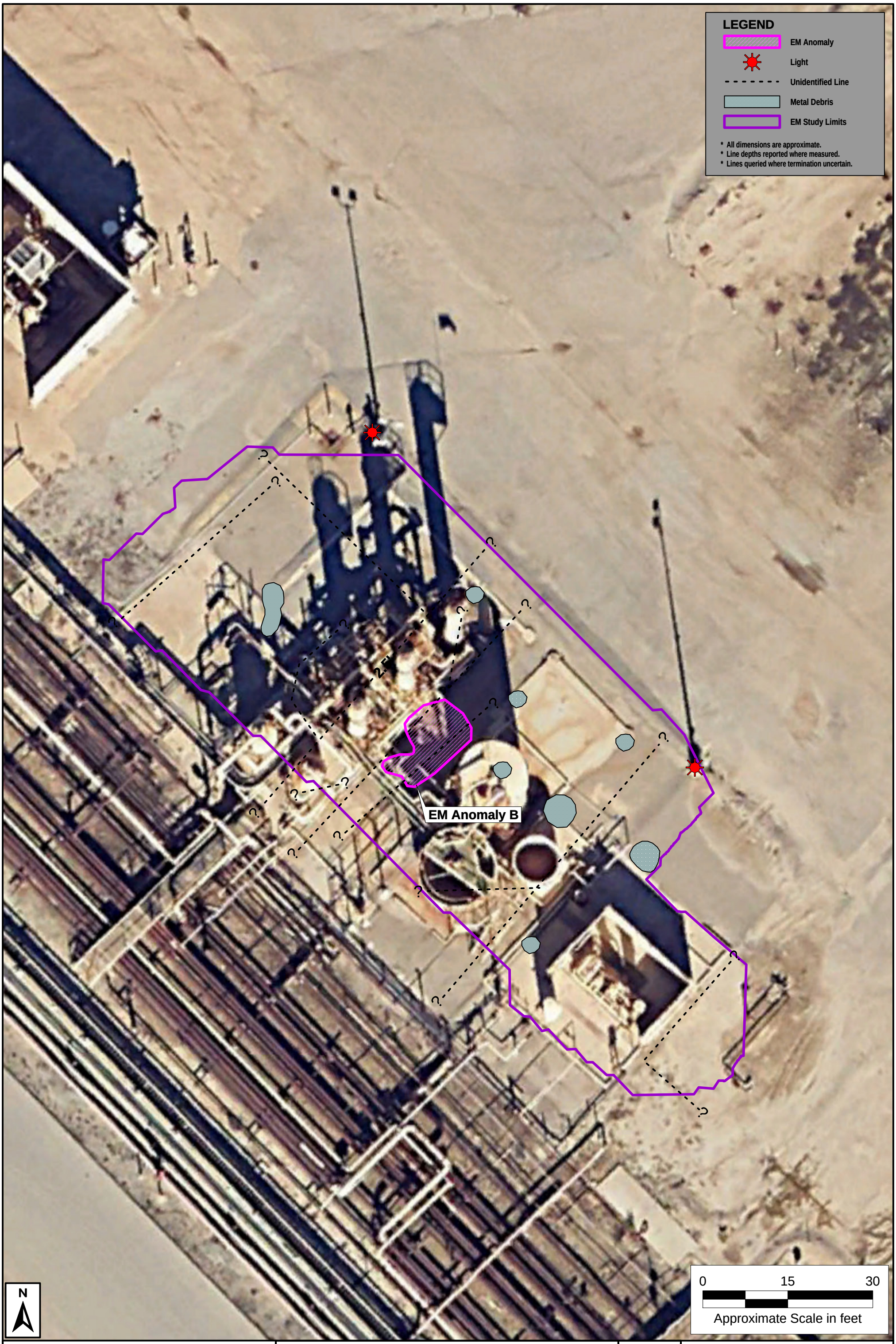
Project No.: 2025132

CRC Huntington Beach Facility
Huntington Beach, California

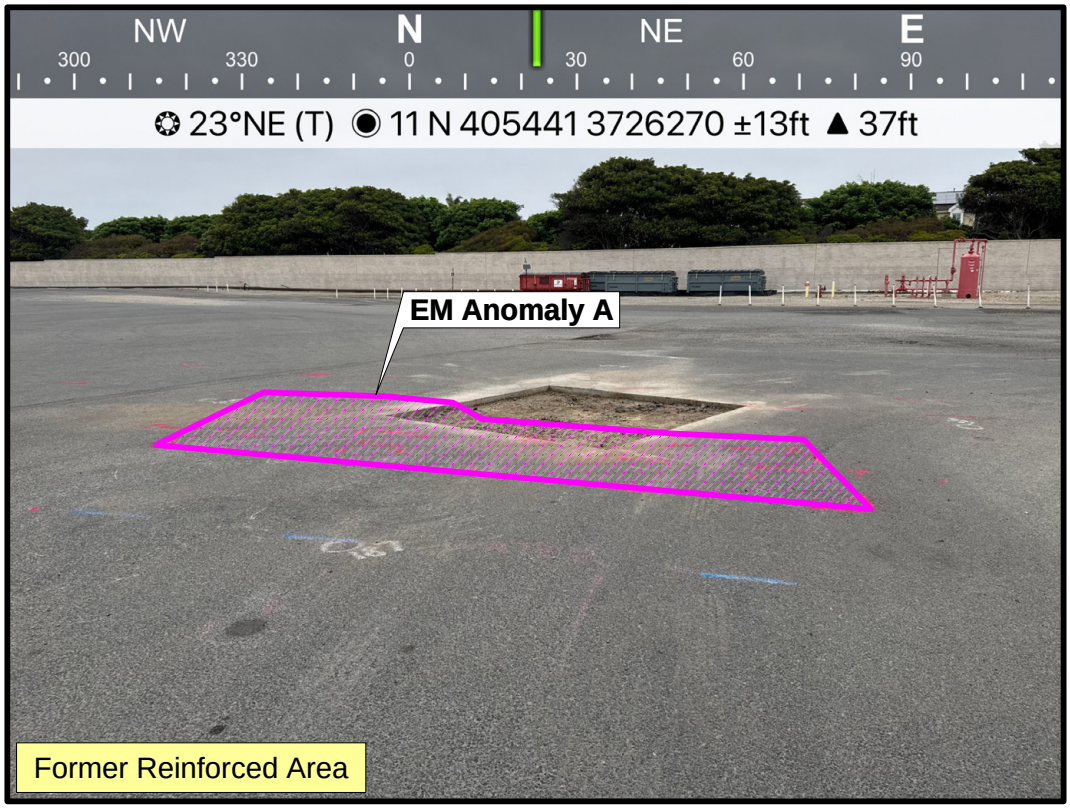
Figure
2-1

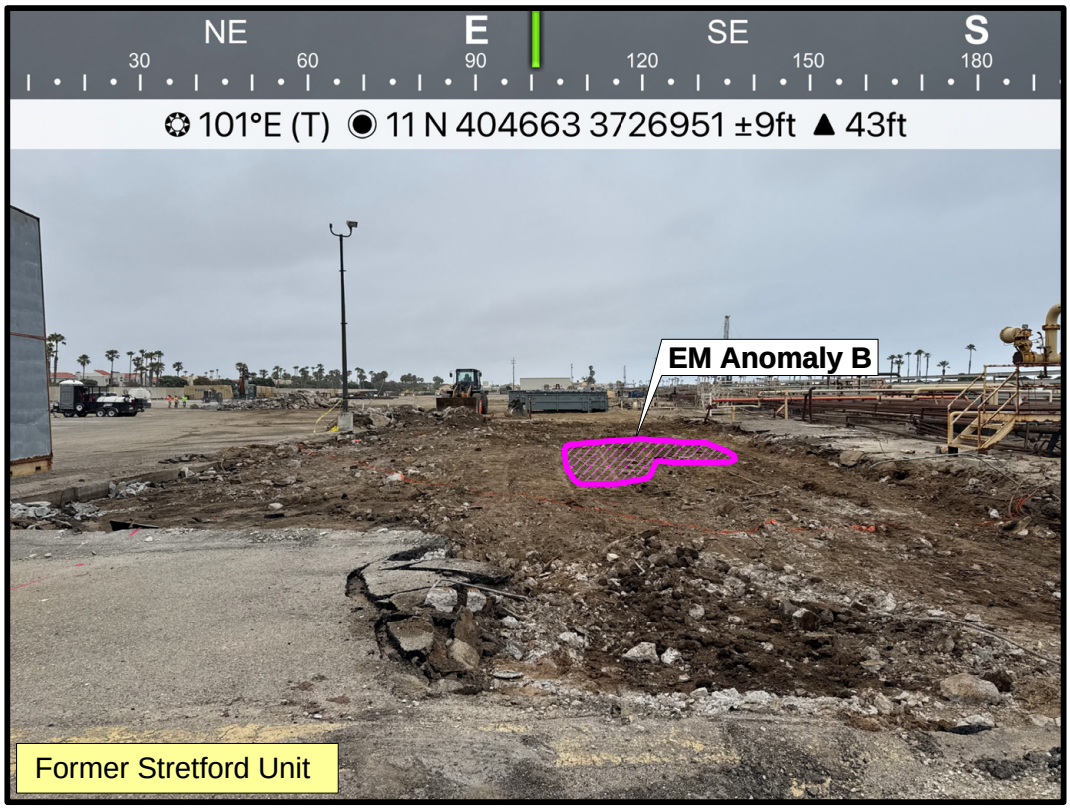
Date: 06/25

Advantage GEOPHYSICS

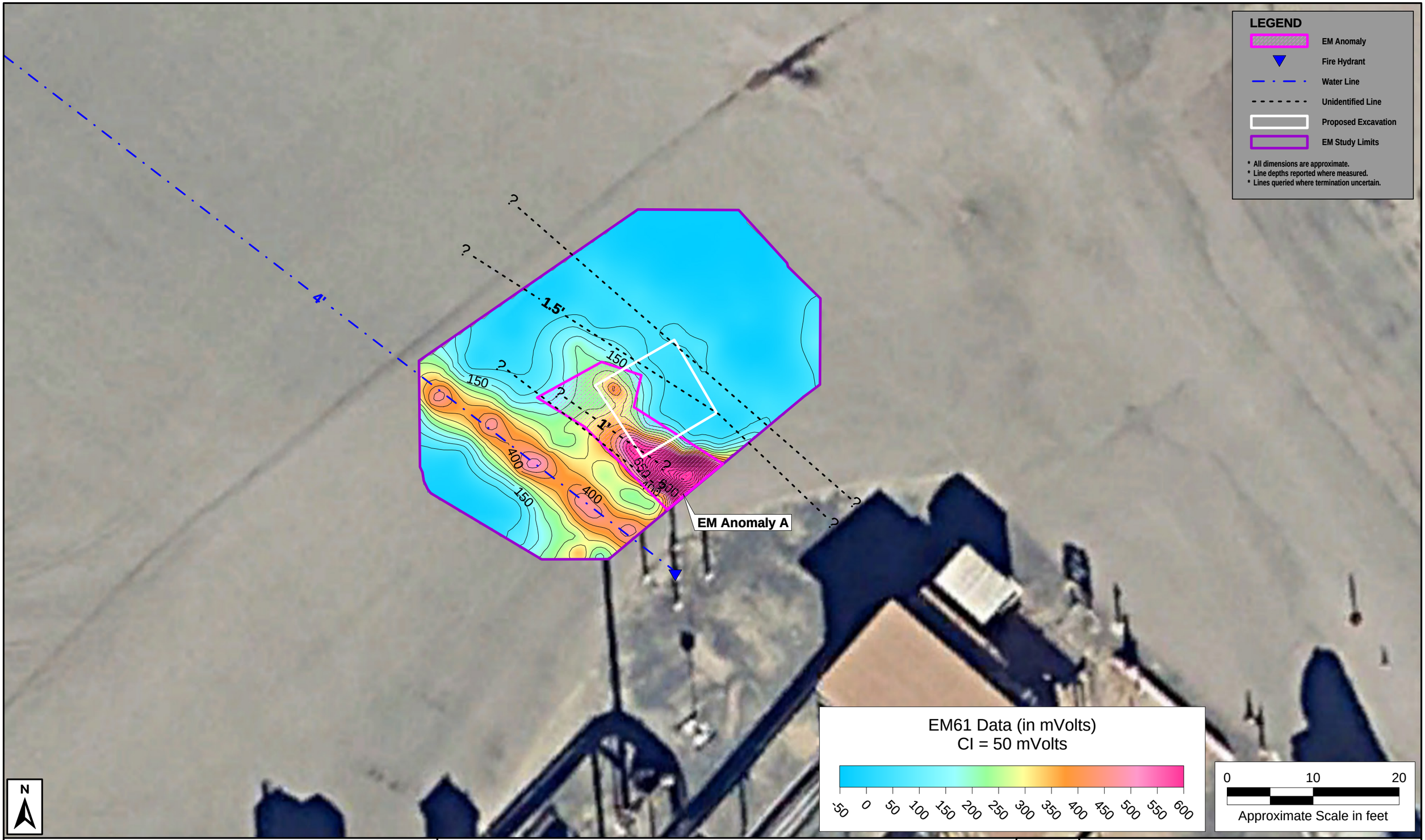


Site Map Former Stretford Unit	CRC Huntington Beach Facility Huntington Beach, California Project No.: 2025132	Figure 2-2 Date: 06/25	Advantage GEOPHYSICS





Site Photographs	CRC Huntington Beach Facility Huntington Beach, California Project No.: 2025132	Figure 3 Date: 06/25	Advantage GEOPHYSICS



Site Data Map
Former Reinforced Area

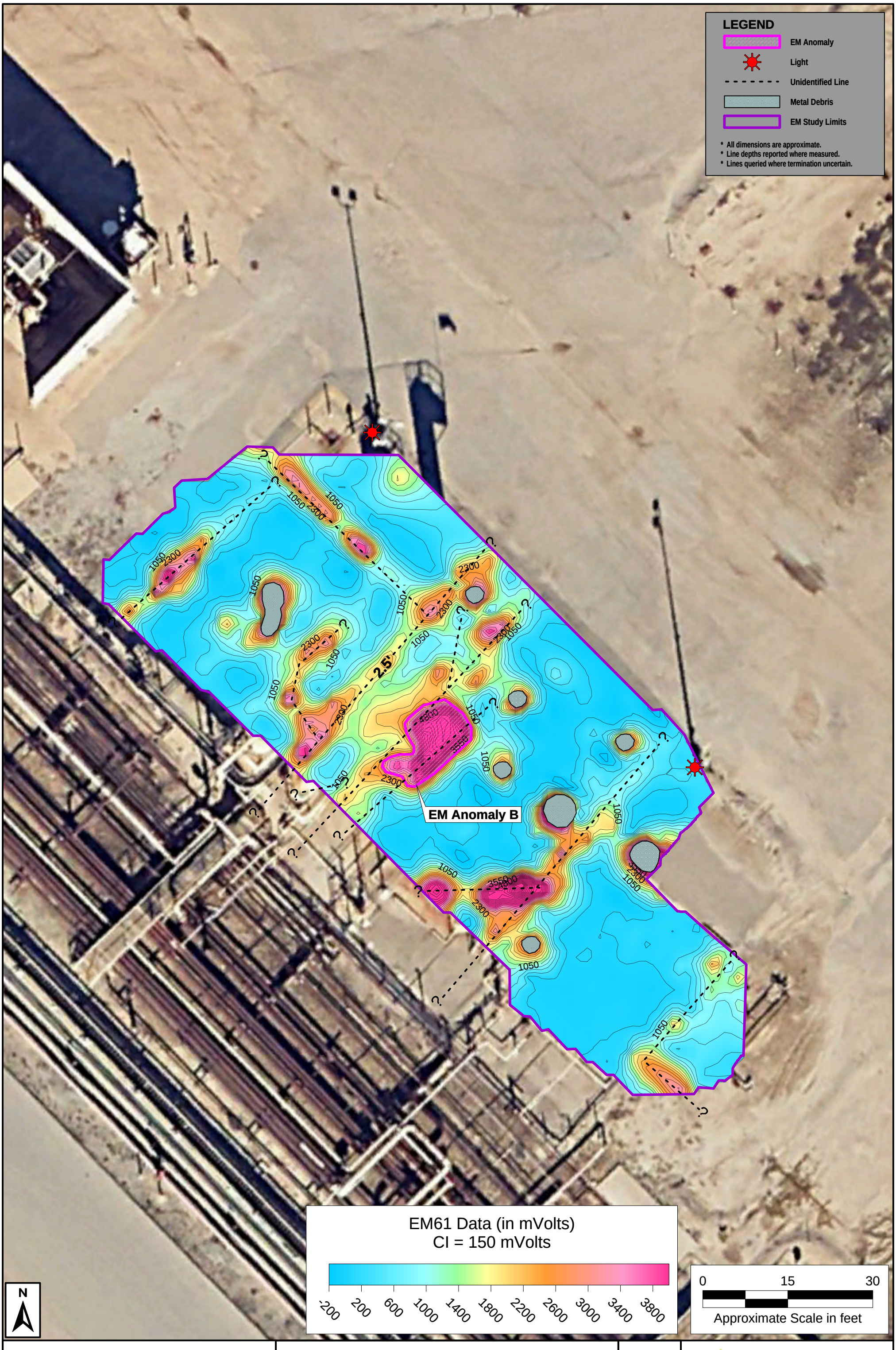
CRC Huntington Beach Facility
Huntington Beach, California

Project No.: 2025132

Figure
4-1

Date: 06/25

Advantage GEOPHYSICS



Site Data Map
Former Stretford Unit

CRC Huntington Beach Facility
Huntington Beach, California

Project No.: 2025132

Figure
4-2

Date: 06/25

Advantage GEOPHYSICS

APPENDIX B

CONCRETE COMPOSITE SAMPLE AND BACKFILL MATERIAL CHARACTERIZATION LABORATORY REPORTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 2/12/2025 4:29:42 PM

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-215772-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-215772-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/28/2025 5:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010B: The continuing calibration blank (CCB) for analytical batch 570-528330 contained Arsenic above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 7471A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-528556 and analytical batch 570-529242 recovered outside control limits for the following analytes: Mercury.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.012	J	0.020	0.010	mg/Kg	1	☼	8260B	Total/NA
Carbon disulfide	0.0069	J	0.010	0.00041	mg/Kg	1	☼	8260B	Total/NA
C23-C40	19		5.3	4.8	mg/Kg	1	☼	8015B	Total/NA
Arsenic	12.0	^2	3.51	2.27	mg/Kg	2	☼	6010B	Total/NA
Barium	101		2.34	0.345	mg/Kg	2	☼	6010B	Total/NA
Beryllium	0.304	J	0.468	0.110	mg/Kg	2	☼	6010B	Total/NA
Cadmium	1.31		0.468	0.179	mg/Kg	2	☼	6010B	Total/NA
Chromium	15.1		1.17	0.622	mg/Kg	2	☼	6010B	Total/NA
Cobalt	6.72		2.34	0.499	mg/Kg	2	☼	6010B	Total/NA
Copper	16.7		2.34	0.666	mg/Kg	2	☼	6010B	Total/NA
Lead	48.9		2.34	1.55	mg/Kg	2	☼	6010B	Total/NA
Molybdenum	1.62	J	4.68	1.15	mg/Kg	2	☼	6010B	Total/NA
Nickel	12.0		2.34	1.33	mg/Kg	2	☼	6010B	Total/NA
Vanadium	37.4		4.68	1.03	mg/Kg	2	☼	6010B	Total/NA
Zinc	156		4.68	1.91	mg/Kg	2	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0010	0.00030	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1,1-Trichloroethane	ND		0.0010	0.00024	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00055	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00047	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1,2-Trichloroethane	ND		0.0010	0.00047	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1-Dichloroethane	ND		0.0010	0.00029	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1-Dichloroethene	ND		0.0010	0.00027	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,1-Dichloropropene	ND		0.0020	0.00040	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2,3-Trichloropropane	ND		0.0020	0.00043	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00042	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2,4-Trimethylbenzene	ND		0.0020	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0034	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2-Dibromoethane	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2-Dichlorobenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2-Dichloroethane	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,2-Dichloropropane	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00027	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,3-Dichlorobenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,3-Dichloropropane	ND		0.0010	0.00030	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
1,4-Dichlorobenzene	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
2,2-Dichloropropane	ND		0.0051	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
2-Butanone (MEK)	ND		0.020	0.0046	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
2-Chlorotoluene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
2-Hexanone	ND		0.020	0.0031	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
4-Chlorotoluene	ND		0.0010	0.00025	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.020	0.0030	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Acetone	**0.012**	**J**	0.020	0.010	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Bromobenzene	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Bromochloromethane	ND		0.0020	0.00045	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Bromodichloromethane	ND		0.0010	0.00033	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Bromoform	ND		0.0051	0.0013	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Bromomethane	ND		0.020	0.0067	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
cis-1,2-Dichloroethene	ND		0.0010	0.00034	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
cis-1,3-Dichloropropene	ND		0.0010	0.00036	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Carbon disulfide	**0.0069**	**J**	0.010	0.00041	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Carbon tetrachloride	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Chlorobenzene	ND		0.0010	0.00027	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Chloroethane	ND		0.0020	0.00076	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Chloroform	ND		0.0010	0.00060	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Chloromethane	ND		0.020	0.0016	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Dibromochloromethane	ND		0.0020	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Dibromomethane	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Dichlorodifluoromethane	ND		0.0020	0.00046	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Di-isopropyl ether (DIPE)	ND		0.0010	0.00051	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Ethanol	ND		0.25	0.094	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Ethylbenzene	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Ethyl-t-butyl ether (ETBE)	ND		0.0010	0.00024	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Methylene Chloride	ND		0.010	0.0032	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020	0.00019	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Naphthalene	ND		0.010	0.0040	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
n-Butylbenzene	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
N-Propylbenzene	ND		0.0020	0.00027	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
o-Xylene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
m,p-Xylene	ND		0.0020	0.00048	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
p-Isopropyltoluene	ND		0.0010	0.00029	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
sec-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Styrene	ND		0.0010	0.00032	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
trans-1,2-Dichloroethene	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
trans-1,3-Dichloropropene	ND		0.0020	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Tert-amyl-methyl ether (TAME)	ND		0.0010	0.00020	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
tert-Butyl alcohol (TBA)	ND		0.020	0.0071	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
tert-Butylbenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Tetrachloroethene	ND		0.0010	0.00023	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Toluene	ND		0.0010	0.00027	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Trichloroethene	ND		0.0020	0.00039	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Trichlorofluoromethane	ND		0.010	0.00028	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Vinyl acetate	ND		0.010	0.0040	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Vinyl chloride	ND		0.0010	0.00039	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1
Xylenes, Total	ND		0.0020	0.00061	mg/Kg	☼	01/31/25 08:14	01/31/25 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*32 - 179*	*01/31/25 08:14*	*01/31/25 13:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*01/31/25 08:14*	*01/31/25 13:22*	*1*
Dibromofluoromethane (Surr)	*86*		*58 - 147*	*01/31/25 08:14*	*01/31/25 13:22*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*	*01/31/25 08:14*	*01/31/25 13:22*	*1*

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.045	mg/Kg	☼	02/04/25 13:13	02/04/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*42 - 126*	*02/04/25 13:13*	*02/04/25 16:32*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.3	4.8	mg/Kg	☼	01/31/25 14:16	02/04/25 00:17	1
C23-C40	**19**		5.3	4.8	mg/Kg	☼	01/31/25 14:16	02/04/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*68*		*60 - 138*	*01/31/25 14:16*	*02/04/25 00:17*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Method: SW846 6010B - Metals (ICP)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		11.7	6.62	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Arsenic	**12.0**	**^2**	3.51	2.27	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Barium	**101**		2.34	0.345	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Beryllium	**0.304**	**J**	0.468	0.110	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Cadmium	**1.31**		0.468	0.179	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Chromium	**15.1**		1.17	0.622	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Cobalt	**6.72**		2.34	0.499	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Copper	**16.7**		2.34	0.666	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Lead	**48.9**		2.34	1.55	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Molybdenum	**1.62**	**J**	4.68	1.15	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Nickel	**12.0**		2.34	1.33	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Selenium	ND		3.51	1.83	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Silver	ND		2.34	0.498	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Thallium	ND		11.7	3.34	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Vanadium	**37.4**		4.68	1.03	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2
Zinc	**156**		4.68	1.91	mg/Kg	☼	01/30/25 09:18	01/30/25 16:08	2

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0905	0.0250	mg/Kg	☼	01/31/25 10:28	02/03/25 09:13	1

General Chemistry

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6
Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	6.05		0.100	0.100	%			01/31/25 13:00	1

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(32-179)	(80-120)	(58-147)	(80-120)
570-215772-6	Composite (SB2,4,5,6,8_concret	105	101	86	103
LCS 570-528562/1-A	Lab Control Sample	102	98	101	100
LCSD 570-528562/2-A	Lab Control Sample Dup	101	98	101	100
MB 570-528562/5-A	Method Blank	101	98	100	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-215772-6	Composite (SB2,4,5,6,8_concret	82
LCS 570-529788/1-A	Lab Control Sample	100
LCSD 570-529788/2-A	Lab Control Sample Dup	98
MB 570-529788/3-A	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-215772-6	Composite (SB2,4,5,6,8_concret	68
LCS 570-528676/2-A	Lab Control Sample	105
LCSD 570-528676/3-A	Lab Control Sample Dup	103
MB 570-528676/1-A	Method Blank	100

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-528562/5-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0010	0.00029	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00054	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00046	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1,2-Trichloroethane	ND		0.0010	0.00046	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1-Dichloroethane	ND		0.0010	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1-Dichloroethene	ND		0.0010	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,1-Dichloropropene	ND		0.0020	0.00039	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2,3-Trichloropropane	ND		0.0020	0.00042	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00041	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2,4-Trimethylbenzene	ND		0.0020	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0033	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2-Dibromoethane	ND		0.0010	0.00021	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2-Dichlorobenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2-Dichloroethane	ND		0.0010	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,2-Dichloropropane	ND		0.0010	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,3-Dichlorobenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,3-Dichloropropane	ND		0.0010	0.00030	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
1,4-Dichlorobenzene	ND		0.0010	0.00031	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
2,2-Dichloropropane	ND		0.0050	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
2-Butanone (MEK)	ND		0.020	0.0045	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
2-Chlorotoluene	ND		0.0010	0.00025	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
2-Hexanone	ND		0.020	0.0031	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
4-Chlorotoluene	ND		0.0010	0.00024	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
4-Methyl-2-pentanone (MIBK)	ND		0.020	0.0029	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Acetone	ND		0.020	0.0098	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Benzene	ND		0.0010	0.00026	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Bromobenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Bromochloromethane	ND		0.0020	0.00044	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Bromodichloromethane	ND		0.0010	0.00033	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Bromoform	ND		0.0050	0.0013	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Bromomethane	ND		0.020	0.0066	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
cis-1,2-Dichloroethene	ND		0.0010	0.00034	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
cis-1,3-Dichloropropene	ND		0.0010	0.00035	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Carbon disulfide	ND		0.010	0.00040	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Carbon tetrachloride	ND		0.0010	0.00030	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Chlorobenzene	ND		0.0010	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Chloroethane	ND		0.0020	0.00074	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Chloroform	ND		0.0010	0.00059	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Chloromethane	ND		0.020	0.0015	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Dibromochloromethane	ND		0.0020	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Dibromomethane	ND		0.0010	0.00031	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Dichlorodifluoromethane	ND		0.0020	0.00045	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Di-isopropyl ether (DIPE)	ND		0.0010	0.00050	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Ethanol	ND		0.25	0.092	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Ethylbenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 08:14	01/31/25 10:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-528562/5-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.0010	0.00024	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Isopropylbenzene	ND		0.0010	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Methylene Chloride	ND		0.010	0.0031	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020	0.00019	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Naphthalene	ND		0.010	0.0039	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
n-Butylbenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
N-Propylbenzene	ND		0.0020	0.00026	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
o-Xylene	ND		0.0010	0.00026	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
m,p-Xylene	ND		0.0020	0.00047	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
p-Isopropyltoluene	ND		0.0010	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
sec-Butylbenzene	ND		0.0010	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Styrene	ND		0.0010	0.00032	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
trans-1,2-Dichloroethene	ND		0.0010	0.00030	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
trans-1,3-Dichloropropene	ND		0.0020	0.00028	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Tert-amyl-methyl ether (TAME)	ND		0.0010	0.00019	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
tert-Butyl alcohol (TBA)	ND		0.020	0.0070	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
tert-Butylbenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Tetrachloroethene	ND		0.0010	0.00022	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Toluene	ND		0.0010	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Trichloroethene	ND		0.0020	0.00039	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Trichlorofluoromethane	ND		0.010	0.00027	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Vinyl acetate	ND		0.010	0.0039	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Vinyl chloride	ND		0.0010	0.00038	mg/Kg		01/31/25 08:14	01/31/25 10:26	1
Xylenes, Total	ND		0.0020	0.00060	mg/Kg		01/31/25 08:14	01/31/25 10:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 179*	*01/31/25 08:14*	*01/31/25 10:26*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*01/31/25 08:14*	*01/31/25 10:26*	*1*
Dibromofluoromethane (Surr)	*100*		*58 - 147*	*01/31/25 08:14*	*01/31/25 10:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*01/31/25 08:14*	*01/31/25 10:26*	*1*

Lab Sample ID: LCS 570-528562/1-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.0500	0.04873		mg/Kg		97	80 - 125
1,1,1-Trichloroethane	0.0500	0.05263		mg/Kg		105	78 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04721		mg/Kg		94	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.05046		mg/Kg		101	73 - 130
1,1,2-Trichloroethane	0.0500	0.04824		mg/Kg		96	80 - 123
1,1-Dichloroethane	0.0500	0.05047		mg/Kg		101	79 - 124
1,1-Dichloroethene	0.0500	0.05032		mg/Kg		101	74 - 132
1,1-Dichloropropene	0.0500	0.05382		mg/Kg		108	78 - 130
1,2,3-Trichlorobenzene	0.0500	0.05026		mg/Kg		101	80 - 123
1,2,3-Trichloropropane	0.0500	0.04565		mg/Kg		91	79 - 120
1,2,4-Trichlorobenzene	0.0500	0.05154		mg/Kg		103	80 - 125
1,2,4-Trimethylbenzene	0.0500	0.05234		mg/Kg		105	80 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-528562/1-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0500	0.04583		mg/Kg		92	67 - 120
1,2-Dibromoethane	0.0500	0.04808		mg/Kg		96	80 - 120
1,2-Dichlorobenzene	0.0500	0.05014		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0500	0.04779		mg/Kg		96	77 - 120
1,2-Dichloropropane	0.0500	0.04926		mg/Kg		99	80 - 126
1,3,5-Trimethylbenzene	0.0500	0.05082		mg/Kg		102	80 - 121
1,3-Dichlorobenzene	0.0500	0.05116		mg/Kg		102	80 - 120
1,3-Dichloropropane	0.0500	0.04856		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0500	0.05009		mg/Kg		100	80 - 120
2,2-Dichloropropane	0.0500	0.05001		mg/Kg		100	73 - 135
2-Butanone (MEK)	0.0500	0.04908		mg/Kg		98	67 - 136
2-Chlorotoluene	0.0500	0.04990		mg/Kg		100	80 - 120
2-Hexanone	0.0500	0.04527		mg/Kg		91	70 - 137
4-Chlorotoluene	0.0500	0.05219		mg/Kg		104	80 - 121
4-Methyl-2-pentanone (MIBK)	0.0500	0.04478		mg/Kg		90	74 - 124
Acetone	0.0500	0.05237		mg/Kg		105	61 - 142
Benzene	0.0500	0.05018		mg/Kg		100	80 - 120
Bromobenzene	0.0500	0.04839		mg/Kg		97	80 - 120
Bromochloromethane	0.0500	0.05040		mg/Kg		101	80 - 120
Bromodichloromethane	0.0500	0.04851		mg/Kg		97	80 - 125
Bromoform	0.0500	0.04463		mg/Kg		89	74 - 138
Bromomethane	0.0500	0.04754		mg/Kg		95	58 - 136
cis-1,2-Dichloroethene	0.0500	0.05034		mg/Kg		101	80 - 124
cis-1,3-Dichloropropene	0.0500	0.04690		mg/Kg		94	80 - 123
Carbon disulfide	0.0500	0.04728		mg/Kg		95	68 - 128
Carbon tetrachloride	0.0500	0.05404		mg/Kg		108	75 - 140
Chlorobenzene	0.0500	0.04942		mg/Kg		99	80 - 120
Chloroethane	0.0500	0.05634		mg/Kg		113	76 - 137
Chloroform	0.0500	0.04856		mg/Kg		97	80 - 121
Chloromethane	0.0500	0.05223		mg/Kg		104	74 - 133
Dibromochloromethane	0.0500	0.04733		mg/Kg		95	80 - 132
Dibromomethane	0.0500	0.04818		mg/Kg		96	80 - 120
Dichlorodifluoromethane	0.0500	0.05793		mg/Kg		116	63 - 146
Di-isopropyl ether (DIPE)	0.0500	0.05127		mg/Kg		103	73 - 132
Ethanol	0.500	0.5733		mg/Kg		115	46 - 159
Ethylbenzene	0.0500	0.05099		mg/Kg		102	80 - 120
Ethyl-t-butyl ether (ETBE)	0.0500	0.04977		mg/Kg		100	77 - 129
Isopropylbenzene	0.0500	0.05099		mg/Kg		102	80 - 122
Methylene Chloride	0.0500	0.04859		mg/Kg		97	74 - 120
Methyl-t-Butyl Ether (MTBE)	0.0500	0.04744		mg/Kg		95	79 - 123
Naphthalene	0.0500	0.04750		mg/Kg		95	79 - 121
n-Butylbenzene	0.0500	0.05641		mg/Kg		113	79 - 131
N-Propylbenzene	0.0500	0.05232		mg/Kg		105	80 - 122
o-Xylene	0.0500	0.05022		mg/Kg		100	80 - 120
m,p-Xylene	0.100	0.1021		mg/Kg		102	80 - 120
p-Isopropyltoluene	0.0500	0.05370		mg/Kg		107	80 - 126
sec-Butylbenzene	0.0500	0.05340		mg/Kg		107	80 - 125
Styrene	0.0500	0.05033		mg/Kg		101	80 - 120
trans-1,2-Dichloroethene	0.0500	0.05118		mg/Kg		102	75 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-528562/1-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528562

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
trans-1,3-Dichloropropene			0.0500	0.04774		mg/Kg		95	80 - 124		
Tert-amyl-methyl ether (TAME)			0.0500	0.04668		mg/Kg		93	80 - 120		
tert-Butyl alcohol (TBA)			0.250	0.2447		mg/Kg		98	74 - 123		
tert-Butylbenzene			0.0500	0.05210		mg/Kg		104	80 - 124		
Tetrachloroethene			0.0500	0.05062		mg/Kg		101	80 - 122		
Toluene			0.0500	0.04969		mg/Kg		99	80 - 120		
Trichloroethene			0.0500	0.05136		mg/Kg		103	80 - 127		
Trichlorofluoromethane			0.0500	0.05706		mg/Kg		114	70 - 144		
Vinyl acetate			0.0500	0.04619		mg/Kg		92	71 - 125		
Vinyl chloride			0.0500	0.05755		mg/Kg		115	79 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 179*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*58 - 147*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-528562/2-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0500	0.04852		mg/Kg		97	80 - 125	0	20
1,1,1-Trichloroethane			0.0500	0.05233		mg/Kg		105	78 - 130	1	20
1,1,2,2-Tetrachloroethane			0.0500	0.04817		mg/Kg		96	80 - 124	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0500	0.04966		mg/Kg		99	73 - 130	2	20
1,1,2-Trichloroethane			0.0500	0.04821		mg/Kg		96	80 - 123	0	20
1,1-Dichloroethane			0.0500	0.05046		mg/Kg		101	79 - 124	0	20
1,1-Dichloroethene			0.0500	0.04974		mg/Kg		99	74 - 132	1	20
1,1-Dichloropropene			0.0500	0.05313		mg/Kg		106	78 - 130	1	20
1,2,3-Trichlorobenzene			0.0500	0.05053		mg/Kg		101	80 - 123	1	20
1,2,3-Trichloropropane			0.0500	0.04669		mg/Kg		93	79 - 120	2	20
1,2,4-Trichlorobenzene			0.0500	0.05155		mg/Kg		103	80 - 125	0	20
1,2,4-Trimethylbenzene			0.0500	0.05171		mg/Kg		103	80 - 124	1	20
1,2-Dibromo-3-Chloropropane			0.0500	0.04641		mg/Kg		93	67 - 120	1	20
1,2-Dibromoethane			0.0500	0.04801		mg/Kg		96	80 - 120	0	20
1,2-Dichlorobenzene			0.0500	0.05024		mg/Kg		100	80 - 120	0	20
1,2-Dichloroethane			0.0500	0.04799		mg/Kg		96	77 - 120	0	20
1,2-Dichloropropane			0.0500	0.04951		mg/Kg		99	80 - 126	0	20
1,3,5-Trimethylbenzene			0.0500	0.05075		mg/Kg		101	80 - 121	0	20
1,3-Dichlorobenzene			0.0500	0.05105		mg/Kg		102	80 - 120	0	20
1,3-Dichloropropane			0.0500	0.04866		mg/Kg		97	80 - 120	0	20
1,4-Dichlorobenzene			0.0500	0.05019		mg/Kg		100	80 - 120	0	20
2,2-Dichloropropane			0.0500	0.04989		mg/Kg		100	73 - 135	0	20
2-Butanone (MEK)			0.0500	0.04779		mg/Kg		96	67 - 136	3	20
2-Chlorotoluene			0.0500	0.04991		mg/Kg		100	80 - 120	0	20
2-Hexanone			0.0500	0.04568		mg/Kg		91	70 - 137	1	20
4-Chlorotoluene			0.0500	0.05186		mg/Kg		104	80 - 121	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-528562/2-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 528469
Prep Batch: 528562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			0.0500	0.04627		mg/Kg		93	74 - 124	3	20
Acetone			0.0500	0.05165		mg/Kg		103	61 - 142	1	23
Benzene			0.0500	0.04987		mg/Kg		100	80 - 120	1	20
Bromobenzene			0.0500	0.04814		mg/Kg		96	80 - 120	1	20
Bromochloromethane			0.0500	0.05062		mg/Kg		101	80 - 120	0	20
Bromodichloromethane			0.0500	0.04874		mg/Kg		97	80 - 125	0	20
Bromoform			0.0500	0.04509		mg/Kg		90	74 - 138	1	20
Bromomethane			0.0500	0.04731		mg/Kg		95	58 - 136	0	20
cis-1,2-Dichloroethene			0.0500	0.05038		mg/Kg		101	80 - 124	0	20
cis-1,3-Dichloropropene			0.0500	0.04710		mg/Kg		94	80 - 123	0	20
Carbon disulfide			0.0500	0.04681		mg/Kg		94	68 - 128	1	20
Carbon tetrachloride			0.0500	0.05343		mg/Kg		107	75 - 140	1	20
Chlorobenzene			0.0500	0.04937		mg/Kg		99	80 - 120	0	20
Chloroethane			0.0500	0.05682		mg/Kg		114	76 - 137	1	20
Chloroform			0.0500	0.04830		mg/Kg		97	80 - 121	1	20
Chloromethane			0.0500	0.05289		mg/Kg		106	74 - 133	1	20
Dibromochloromethane			0.0500	0.04730		mg/Kg		95	80 - 132	0	20
Dibromomethane			0.0500	0.04865		mg/Kg		97	80 - 120	1	20
Dichlorodifluoromethane			0.0500	0.05855		mg/Kg		117	63 - 146	1	20
Di-isopropyl ether (DIPE)			0.0500	0.05089		mg/Kg		102	73 - 132	1	20
Ethanol			0.500	0.5605		mg/Kg		112	46 - 159	2	30
Ethylbenzene			0.0500	0.05071		mg/Kg		101	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)			0.0500	0.05027		mg/Kg		101	77 - 129	1	20
Isopropylbenzene			0.0500	0.05129		mg/Kg		103	80 - 122	1	20
Methylene Chloride			0.0500	0.04818		mg/Kg		96	74 - 120	1	20
Methyl-t-Butyl Ether (MTBE)			0.0500	0.04761		mg/Kg		95	79 - 123	0	20
Naphthalene			0.0500	0.04844		mg/Kg		97	79 - 121	2	20
n-Butylbenzene			0.0500	0.05575		mg/Kg		111	79 - 131	1	20
N-Propylbenzene			0.0500	0.05215		mg/Kg		104	80 - 122	0	20
o-Xylene			0.0500	0.05000		mg/Kg		100	80 - 120	0	20
m,p-Xylene			0.100	0.1016		mg/Kg		102	80 - 120	0	20
p-Isopropyltoluene			0.0500	0.05304		mg/Kg		106	80 - 126	1	20
sec-Butylbenzene			0.0500	0.05332		mg/Kg		107	80 - 125	0	20
Styrene			0.0500	0.04993		mg/Kg		100	80 - 120	1	20
trans-1,2-Dichloroethene			0.0500	0.05034		mg/Kg		101	75 - 123	2	20
trans-1,3-Dichloropropene			0.0500	0.04824		mg/Kg		96	80 - 124	1	20
Tert-amyl-methyl ether (TAME)			0.0500	0.04718		mg/Kg		94	80 - 120	1	20
tert-Butyl alcohol (TBA)			0.250	0.2514		mg/Kg		101	74 - 123	3	20
tert-Butylbenzene			0.0500	0.05212		mg/Kg		104	80 - 124	0	20
Tetrachloroethene			0.0500	0.05088		mg/Kg		102	80 - 122	1	20
Toluene			0.0500	0.04929		mg/Kg		99	80 - 120	1	20
Trichloroethene			0.0500	0.05096		mg/Kg		102	80 - 127	1	20
Trichlorofluoromethane			0.0500	0.05720		mg/Kg		114	70 - 144	0	20
Vinyl acetate			0.0500	0.04703		mg/Kg		94	71 - 125	2	20
Vinyl chloride			0.0500	0.05813		mg/Kg		116	79 - 133	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 179*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-528562/2-A
Matrix: Solid
Analysis Batch: 528469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528562

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*58 - 147*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-529788/3-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098	0.043	mg/Kg		02/04/25 13:13	02/04/25 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*42 - 126*	*02/04/25 13:13*	*02/04/25 14:24*	*1*

Lab Sample ID: LCS 570-529788/1-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529788

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			2.00	1.751		mg/Kg		88	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*42 - 126*

Lab Sample ID: LCSD 570-529788/2-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529788

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.00	1.720		mg/Kg		86	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-528676/1-A
Matrix: Solid
Analysis Batch: 528989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	4.6	mg/Kg		01/31/25 14:16	02/02/25 14:23	1
C23-C40	ND		5.0	4.6	mg/Kg		01/31/25 14:16	02/02/25 14:23	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-528676/1-A
Matrix: Solid
Analysis Batch: 528989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528676

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	100		60 - 138	01/31/25 14:16	02/02/25 14:23	1

Lab Sample ID: LCS 570-528676/2-A
Matrix: Solid
Analysis Batch: 528954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528676

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	398.8		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	105		60 - 138

Lab Sample ID: LCSD 570-528676/3-A
Matrix: Solid
Analysis Batch: 528954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	392.3		mg/Kg		98	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	103		60 - 138

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-528045/1-A ^2
Matrix: Solid
Analysis Batch: 528330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.9	6.19	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Arsenic	ND		3.28	2.12	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Barium	ND		2.19	0.323	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Beryllium	ND		0.437	0.103	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Cadmium	ND		0.437	0.167	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Chromium	ND		1.09	0.581	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Cobalt	ND		2.19	0.466	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Copper	ND		2.19	0.622	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Lead	ND		2.19	1.45	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Molybdenum	ND		4.37	1.07	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Nickel	ND		2.19	1.24	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Selenium	ND		3.28	1.71	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Silver	ND		2.19	0.465	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Thallium	ND		10.9	3.12	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Vanadium	ND		4.37	0.958	mg/Kg		01/30/25 09:18	01/30/25 15:27	2
Zinc	ND		4.37	1.78	mg/Kg		01/30/25 09:18	01/30/25 15:27	2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-528045/2-A ^2
Matrix: Solid
Analysis Batch: 528330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	199	174.4		mg/Kg		88	80 - 120
Arsenic	199	176.8		mg/Kg		89	80 - 120
Barium	199	191.8		mg/Kg		97	80 - 120
Beryllium	199	184.2		mg/Kg		93	80 - 120
Cadmium	199	183.2		mg/Kg		92	80 - 120
Chromium	199	192.6		mg/Kg		97	80 - 120
Cobalt	199	188.3		mg/Kg		95	80 - 120
Copper	199	189.6		mg/Kg		95	80 - 120
Lead	199	188.4		mg/Kg		95	80 - 120
Molybdenum	199	194.0		mg/Kg		98	80 - 120
Nickel	199	185.9		mg/Kg		94	80 - 120
Selenium	199	161.4		mg/Kg		81	80 - 120
Silver	99.3	93.40		mg/Kg		94	80 - 120
Thallium	199	185.1		mg/Kg		93	80 - 120
Vanadium	199	191.0		mg/Kg		96	80 - 120
Zinc	199	181.8		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 570-528045/3-A ^2
Matrix: Solid
Analysis Batch: 528330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	197	176.5		mg/Kg		89	80 - 120	1	20
Arsenic	197	175.4		mg/Kg		89	80 - 120	1	20
Barium	197	192.2		mg/Kg		97	80 - 120	0	20
Beryllium	197	184.9		mg/Kg		94	80 - 120	0	20
Cadmium	197	183.2		mg/Kg		93	80 - 120	0	20
Chromium	197	193.0		mg/Kg		98	80 - 120	0	20
Cobalt	197	188.0		mg/Kg		95	80 - 120	0	20
Copper	197	190.3		mg/Kg		96	80 - 120	0	20
Lead	197	188.9		mg/Kg		96	80 - 120	0	20
Molybdenum	197	197.1		mg/Kg		100	80 - 120	2	20
Nickel	197	186.4		mg/Kg		94	80 - 120	0	20
Selenium	197	160.9		mg/Kg		82	80 - 120	0	20
Silver	98.7	93.88		mg/Kg		95	80 - 120	1	20
Thallium	197	184.0		mg/Kg		93	80 - 120	1	20
Vanadium	197	191.8		mg/Kg		97	80 - 120	0	20
Zinc	197	182.2		mg/Kg		92	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-528556/1-A
Matrix: Solid
Analysis Batch: 529242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0786	0.0217	mg/Kg		01/31/25 10:28	02/03/25 09:05	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-528556/2-A
Matrix: Solid
Analysis Batch: 529242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.392	0.3589		mg/Kg		92	80 - 120		

Lab Sample ID: LCSD 570-528556/3-A
Matrix: Solid
Analysis Batch: 529242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.408	0.4808	*1	mg/Kg		118	80 - 120	29	10

Lab Sample ID: 570-215772-6 MS
Matrix: Solid
Analysis Batch: 529242

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Prep Type: Total/NA
Prep Batch: 528556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND	*1	0.453	0.4241		mg/Kg	☼	94	80 - 120		

Lab Sample ID: 570-215772-6 MSD
Matrix: Solid
Analysis Batch: 529242

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Prep Type: Total/NA
Prep Batch: 528556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	*1	0.443	0.4501		mg/Kg	☼	102	80 - 120	6	20

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 570-528639/1
Matrix: Solid
Analysis Batch: 528639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			01/31/25 13:00	1

Lab Sample ID: 570-215772-6 DU
Matrix: Solid
Analysis Batch: 528639

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.05			6.05		%				0.1	10

GC/MS VOA

Analysis Batch: 528469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	8260B	528562
MB 570-528562/5-A	Method Blank	Total/NA	Solid	8260B	528562
LCS 570-528562/1-A	Lab Control Sample	Total/NA	Solid	8260B	528562
LCSD 570-528562/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	528562

Prep Batch: 528562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	5030C	
MB 570-528562/5-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-528562/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-528562/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

GC VOA

Analysis Batch: 529764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	8015B	529788
MB 570-529788/3-A	Method Blank	Total/NA	Solid	8015B	529788
LCS 570-529788/1-A	Lab Control Sample	Total/NA	Solid	8015B	529788
LCSD 570-529788/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	529788

Prep Batch: 529788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	5030C	
MB 570-529788/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-529788/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-529788/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

GC Semi VOA

Prep Batch: 528676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	3550C	
MB 570-528676/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-528676/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-528676/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 528954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-528676/2-A	Lab Control Sample	Total/NA	Solid	8015B	528676
LCSD 570-528676/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	528676

Analysis Batch: 528989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-528676/1-A	Method Blank	Total/NA	Solid	8015B	528676

Analysis Batch: 529271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	8015B	528676

Metals

Prep Batch: 528045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	3051A	
MB 570-528045/1-A ^2	Method Blank	Total/NA	Solid	3051A	
LCS 570-528045/2-A ^2	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-528045/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 528330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	6010B	528045
MB 570-528045/1-A ^2	Method Blank	Total/NA	Solid	6010B	528045
LCS 570-528045/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	528045
LCSD 570-528045/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6010B	528045

Prep Batch: 528556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	
MB 570-528556/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-528556/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-528556/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-215772-6 MS	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	
570-215772-6 MSD	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	

Analysis Batch: 529242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	528556
MB 570-528556/1-A	Method Blank	Total/NA	Solid	7471A	528556
LCS 570-528556/2-A	Lab Control Sample	Total/NA	Solid	7471A	528556
LCSD 570-528556/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	528556
570-215772-6 MS	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	528556
570-215772-6 MSD	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	7471A	528556

General Chemistry

Analysis Batch: 528639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	Moisture - 2540	
MB 570-528639/1	Method Blank	Total/NA	Solid	Moisture - 2540	
570-215772-6 DU	Composite (SB2,4,5,6,8_concrete)	Total/NA	Solid	Moisture - 2540	

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: Composite (SB2,4,5,6,8_concrete)
Lab Sample ID: 570-215772-6

Date Collected: 01/28/25 00:00
Matrix: Solid
Date Received: 01/28/25 17:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.22 g	5 mL	528562	01/31/25 08:14	AJ4K	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	528469	01/31/25 13:22	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5030C			5.17 g	5 mL	529788	02/04/25 13:13	A9VE	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	529764	02/04/25 16:32	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.04 g	10 mL	528676	01/31/25 14:16	HZX5	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	529271	02/04/25 00:17	H6FE	EET CAL 4
	Instrument ID: GC69A									
Total/NA	Prep	3051A			0.4545 g	50 mL	528045	01/30/25 09:18	P8DB	EET CAL 4
Total/NA	Analysis	6010B		2			528330	01/30/25 16:08	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	528556	01/31/25 10:28	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			529242	02/03/25 09:13	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			528639	01/31/25 13:00	TP6R	EET CAL 4
	Instrument ID: BAL66									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture - 2540	Percent Moisture	SM	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-215772-1
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-215772-6	Composite (SB2,4,5,6,8_concrete)	Solid	01/28/25 00:00	01/28/25 17:20

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2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-215772 Chain of Custody

Loc: 570
215772

CHAIN-OF-CUSTODY RECORD

DATE: 1/28/25
PAGE: 1 OF 1

LABORATORY CLIENT: Langan	CLIENT PROJECT NAME / NO.: 700152701
ADDRESS: 18575 Jamboree Road, Suite 150	P.O. NO.:
CITY: Irvine STATE: CA ZIP: 92612	PROJECT CONTACT: Travis Knight
TEL: 949-561-9200 E-MAIL: tknight@langan.com	ECI PROJECT #: ECI PROJECT #57022480
GLOBAL ID:	LOG CODE:
	SAMPLER(S): (PRINT) Ratic Family

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

Please composite the concrete samples in an even ratio to meet the required sample volume.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6010B/7471A CA Title 22 Metals	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs
1	SB2_concrete	SB2	1/28/25	1110	concrete	1	1	0		X	X	X		
2	SB4_concrete	SB4	↓	1115	↓	↓	↓	↓		↓	↓	↓		
3	SB5_concrete	SB5		1100										
4	SB6_concrete	SB6		1105										
5	SB8_concrete	SB8	↓	1120	↓	↓	↓	↓		↓	↓	↓		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 1-28-25	Time: 16:19
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 1-28-25	Time: 17:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.0/2.2 SC14

2014-07-01 Revision

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-215772-1

Login Number: 215772
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample compositing requested.
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 2/17/2025 3:57:50 PM

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-216048-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Job Notes

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Authorization



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2/17/2025 3:57:50 PM

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-216048-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 1/30/2025 5:05 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received and/or improperly completed.

Missing sample time on COC. Logged in per sample container Base-1.30.2025 (570-216048-1)

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: Base-1.30.2025
Lab Sample ID: 570-216048-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C22	130		53	48	mg/Kg	10	☼	8015B	Total/NA
C23-C40	1800		53	48	mg/Kg	10	☼	8015B	Total/NA
Arsenic	9.00		2.97	1.92	mg/Kg	2	☼	6010B	Total/NA
Barium	125		1.98	0.292	mg/Kg	2	☼	6010B	Total/NA
Beryllium	0.257	J	0.395	0.0929	mg/Kg	2	☼	6010B	Total/NA
Chromium	17.2		0.989	0.525	mg/Kg	2	☼	6010B	Total/NA
Cobalt	4.43		1.98	0.421	mg/Kg	2	☼	6010B	Total/NA
Copper	18.0		1.98	0.562	mg/Kg	2	☼	6010B	Total/NA
Lead	15.1		1.98	1.31	mg/Kg	2	☼	6010B	Total/NA
Molybdenum	1.66	J	3.95	0.969	mg/Kg	2	☼	6010B	Total/NA
Nickel	10.7		1.98	1.12	mg/Kg	2	☼	6010B	Total/NA
Vanadium	30.9		3.95	0.866	mg/Kg	2	☼	6010B	Total/NA
Zinc	63.3		3.95	1.61	mg/Kg	2	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0010	0.00030	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1,1-Trichloroethane	ND		0.0010	0.00024	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1,2,2-Tetrachloroethane	ND		0.0021	0.00056	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00048	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1,2-Trichloroethane	ND		0.0010	0.00048	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1-Dichloroethane	ND		0.0010	0.00029	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1-Dichloroethene	ND		0.0010	0.00027	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,1-Dichloropropene	ND		0.0021	0.00040	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2,3-Trichlorobenzene	ND		0.0021	0.00039	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2,3-Trichloropropane	ND		0.0021	0.00043	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2,4-Trichlorobenzene	ND		0.0021	0.00042	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2,4-Trimethylbenzene	ND		0.0021	0.00029	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0034	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2-Dibromoethane	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2-Dichlorobenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2-Dichloroethane	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,2-Dichloropropane	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,3,5-Trimethylbenzene	ND		0.0021	0.00027	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,3-Dichlorobenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,3-Dichloropropane	ND		0.0010	0.00030	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
1,4-Dichlorobenzene	ND		0.0010	0.00032	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
2,2-Dichloropropane	ND		0.0051	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
2-Butanone (MEK)	ND		0.021	0.0046	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
2-Chlorotoluene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
2-Hexanone	ND		0.021	0.0032	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
4-Chlorotoluene	ND		0.0010	0.00025	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.021	0.0030	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Acetone	ND		0.021	0.010	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Benzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Bromobenzene	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Bromochloromethane	ND		0.0021	0.00046	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Bromodichloromethane	ND		0.0010	0.00033	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Bromoform	ND		0.0051	0.0014	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Bromomethane	ND		0.021	0.0068	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
cis-1,2-Dichloroethene	ND		0.0010	0.00035	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
cis-1,3-Dichloropropene	ND		0.0010	0.00036	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Carbon disulfide	ND		0.010	0.00041	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Carbon tetrachloride	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Chlorobenzene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Chloroethane	ND		0.0021	0.00076	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Chloroform	ND		0.0010	0.00061	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Chloromethane	ND		0.021	0.0016	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Dibromochloromethane	ND		0.0021	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Dibromomethane	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Dichlorodifluoromethane	ND		0.0021	0.00047	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Di-isopropyl ether (DIPE)	ND		0.0010	0.00051	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Ethanol	ND		0.26	0.095	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Ethylbenzene	ND		0.0010	0.00021	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Ethyl-t-butyl ether (ETBE)	ND		0.0010	0.00024	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Methylene Chloride	ND		0.010	0.0032	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0021	0.00019	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Naphthalene	ND		0.010	0.0040	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
n-Butylbenzene	ND		0.0010	0.00022	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
N-Propylbenzene	ND		0.0021	0.00027	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
o-Xylene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
m,p-Xylene	ND		0.0021	0.00049	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
p-Isopropyltoluene	ND		0.0010	0.00029	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
sec-Butylbenzene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Styrene	ND		0.0010	0.00033	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
trans-1,2-Dichloroethene	ND		0.0010	0.00031	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
trans-1,3-Dichloropropene	ND		0.0021	0.00029	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Tert-amyl-methyl ether (TAME)	ND		0.0010	0.00020	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
tert-Butyl alcohol (TBA)	ND		0.021	0.0072	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
tert-Butylbenzene	ND		0.0010	0.00026	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Tetrachloroethene	ND		0.0010	0.00023	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Toluene	ND		0.0010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Trichloroethene	ND		0.0021	0.00040	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Trichlorofluoromethane	ND		0.010	0.00028	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Vinyl acetate	ND		0.010	0.0040	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Vinyl chloride	ND		0.0010	0.00039	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1
Xylenes, Total	ND		0.0021	0.00062	mg/Kg	☼	01/31/25 16:42	01/31/25 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 179*	*01/31/25 16:42*	*01/31/25 23:42*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*01/31/25 16:42*	*01/31/25 23:42*	*1*
Dibromofluoromethane (Surr)	*98*		*58 - 147*	*01/31/25 16:42*	*01/31/25 23:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*01/31/25 16:42*	*01/31/25 23:42*	*1*

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11	0.047	mg/Kg	☼	02/04/25 13:13	02/04/25 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*	*02/04/25 13:13*	*02/04/25 20:48*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	130		53	48	mg/Kg	☼	02/10/25 15:03	02/14/25 11:38	10
C23-C40	1800		53	48	mg/Kg	☼	02/10/25 15:03	02/14/25 11:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*60 - 138*	*02/10/25 15:03*	*02/14/25 11:38*	*10*

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Method: SW846 6010B - Metals (ICP)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.89	5.59	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Arsenic	**9.00**		2.97	1.92	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Barium	**125**		1.98	0.292	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Beryllium	**0.257**	**J**	0.395	0.0929	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Cadmium	ND		0.395	0.151	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Chromium	**17.2**		0.989	0.525	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Cobalt	**4.43**		1.98	0.421	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Copper	**18.0**		1.98	0.562	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Lead	**15.1**		1.98	1.31	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Molybdenum	**1.66**	**J**	3.95	0.969	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Nickel	**10.7**		1.98	1.12	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Selenium	ND		2.97	1.55	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Silver	ND		1.98	0.420	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Thallium	ND		9.89	2.82	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Vanadium	**30.9**		3.95	0.866	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2
Zinc	**63.3**		3.95	1.61	mg/Kg	☼	02/05/25 12:06	02/06/25 21:54	2

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0884	0.0244	mg/Kg	☼	02/05/25 11:04	02/05/25 16:56	1

General Chemistry

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	5.76		0.100	0.100	%			02/06/25 14:14	1

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(32-179)	(80-120)	(58-147)	(80-120)
570-216048-1	Base-1.30.2025	98	90	98	96
LCS 570-528733/1-A	Lab Control Sample	95	98	97	100
LCSD 570-528733/2-A	Lab Control Sample Dup	93	98	95	99
MB 570-528733/5-A	Method Blank	97	93	95	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-216048-1	Base-1.30.2025	79
LCS 570-529788/1-A	Lab Control Sample	100
LCSD 570-529788/2-A	Lab Control Sample Dup	98
MB 570-529788/3-A	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-216048-1	Base-1.30.2025	105
LCS 570-532100/2-A	Lab Control Sample	91
LCSD 570-532100/3-A	Lab Control Sample Dup	92
MB 570-532100/1-A	Method Blank	93

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-528733/5-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0010	0.00029	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1,1-Trichloroethane	ND		0.0010	0.00023	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00054	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00046	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1,2-Trichloroethane	ND		0.0010	0.00046	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1-Dichloroethane	ND		0.0010	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1-Dichloroethene	ND		0.0010	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,1-Dichloropropene	ND		0.0020	0.00039	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2,3-Trichlorobenzene	ND		0.0020	0.00038	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2,3-Trichloropropane	ND		0.0020	0.00042	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2,4-Trichlorobenzene	ND		0.0020	0.00041	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2,4-Trimethylbenzene	ND		0.0020	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0033	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2-Dibromoethane	ND		0.0010	0.00021	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2-Dichlorobenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2-Dichloroethane	ND		0.0010	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,2-Dichloropropane	ND		0.0010	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,3,5-Trimethylbenzene	ND		0.0020	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,3-Dichlorobenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,3-Dichloropropane	ND		0.0010	0.00030	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
1,4-Dichlorobenzene	ND		0.0010	0.00031	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
2,2-Dichloropropane	ND		0.0050	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
2-Butanone (MEK)	ND		0.020	0.0045	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
2-Chlorotoluene	ND		0.0010	0.00025	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
2-Hexanone	ND		0.020	0.0031	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
4-Chlorotoluene	ND		0.0010	0.00024	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.020	0.0029	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Acetone	ND		0.020	0.0098	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Benzene	ND		0.0010	0.00026	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Bromobenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Bromochloromethane	ND		0.0020	0.00044	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Bromodichloromethane	ND		0.0010	0.00033	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Bromoform	ND		0.0050	0.0013	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Bromomethane	ND		0.020	0.0066	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
cis-1,2-Dichloroethene	ND		0.0010	0.00034	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
cis-1,3-Dichloropropene	ND		0.0010	0.00035	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Carbon disulfide	ND		0.010	0.00040	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Carbon tetrachloride	ND		0.0010	0.00030	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Chlorobenzene	ND		0.0010	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Chloroethane	ND		0.0020	0.00074	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Chloroform	ND		0.0010	0.00059	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Chloromethane	ND		0.020	0.0015	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Dibromochloromethane	ND		0.0020	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Dibromomethane	ND		0.0010	0.00031	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Dichlorodifluoromethane	ND		0.0020	0.00045	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Di-isopropyl ether (DIPE)	ND		0.0010	0.00050	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Ethanol	ND		0.25	0.092	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Ethylbenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 16:42	01/31/25 21:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-528733/5-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.0010	0.00024	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Isopropylbenzene	ND		0.0010	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Methylene Chloride	ND		0.010	0.0031	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020	0.00019	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Naphthalene	ND		0.010	0.0039	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
n-Butylbenzene	ND		0.0010	0.00021	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
N-Propylbenzene	ND		0.0020	0.00026	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
o-Xylene	ND		0.0010	0.00026	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
m,p-Xylene	ND		0.0020	0.00047	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
p-Isopropyltoluene	ND		0.0010	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
sec-Butylbenzene	ND		0.0010	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Styrene	ND		0.0010	0.00032	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
trans-1,2-Dichloroethene	ND		0.0010	0.00030	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
trans-1,3-Dichloropropene	ND		0.0020	0.00028	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Tert-amyl-methyl ether (TAME)	ND		0.0010	0.00019	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
tert-Butyl alcohol (TBA)	ND		0.020	0.0070	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
tert-Butylbenzene	ND		0.0010	0.00025	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Tetrachloroethene	ND		0.0010	0.00022	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Toluene	ND		0.0010	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Trichloroethene	ND		0.0020	0.00039	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Trichlorofluoromethane	ND		0.010	0.00027	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Vinyl acetate	ND		0.010	0.0039	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Vinyl chloride	ND		0.0010	0.00038	mg/Kg		01/31/25 16:42	01/31/25 21:32	1
Xylenes, Total	ND		0.0020	0.00060	mg/Kg		01/31/25 16:42	01/31/25 21:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*32 - 179*	*01/31/25 16:42*	*01/31/25 21:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*01/31/25 16:42*	*01/31/25 21:32*	*1*
Dibromofluoromethane (Surr)	*95*		*58 - 147*	*01/31/25 16:42*	*01/31/25 21:32*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*01/31/25 16:42*	*01/31/25 21:32*	*1*

Lab Sample ID: LCS 570-528733/1-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.0500	0.05634		mg/Kg		113	80 - 125
1,1,1-Trichloroethane	0.0500	0.05065		mg/Kg		101	78 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05265		mg/Kg		105	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.05341		mg/Kg		107	73 - 130
1,1,2-Trichloroethane	0.0500	0.05233		mg/Kg		105	80 - 123
1,1-Dichloroethane	0.0500	0.05068		mg/Kg		101	79 - 124
1,1-Dichloroethene	0.0500	0.05205		mg/Kg		104	74 - 132
1,1-Dichloropropene	0.0500	0.05074		mg/Kg		101	78 - 130
1,2,3-Trichlorobenzene	0.0500	0.05555		mg/Kg		111	80 - 123
1,2,3-Trichloropropane	0.0500	0.05130		mg/Kg		103	79 - 120
1,2,4-Trichlorobenzene	0.0500	0.05577		mg/Kg		112	80 - 125
1,2,4-Trimethylbenzene	0.0500	0.05350		mg/Kg		107	80 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-528733/1-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0500	0.05091		mg/Kg		102	67 - 120
1,2-Dibromoethane	0.0500	0.05428		mg/Kg		109	80 - 120
1,2-Dichlorobenzene	0.0500	0.05363		mg/Kg		107	80 - 120
1,2-Dichloroethane	0.0500	0.04983		mg/Kg		100	77 - 120
1,2-Dichloropropane	0.0500	0.05137		mg/Kg		103	80 - 126
1,3,5-Trimethylbenzene	0.0500	0.05385		mg/Kg		108	80 - 121
1,3-Dichlorobenzene	0.0500	0.05394		mg/Kg		108	80 - 120
1,3-Dichloropropane	0.0500	0.05196		mg/Kg		104	80 - 120
1,4-Dichlorobenzene	0.0500	0.05234		mg/Kg		105	80 - 120
2,2-Dichloropropane	0.0500	0.05288		mg/Kg		106	73 - 135
2-Butanone (MEK)	0.0500	0.05433		mg/Kg		109	67 - 136
2-Chlorotoluene	0.0500	0.05200		mg/Kg		104	80 - 120
2-Hexanone	0.0500	0.04710		mg/Kg		94	70 - 137
4-Chlorotoluene	0.0500	0.05197		mg/Kg		104	80 - 121
4-Methyl-2-pentanone (MIBK)	0.0500	0.05023		mg/Kg		100	74 - 124
Acetone	0.0500	0.04820		mg/Kg		96	61 - 142
Benzene	0.0500	0.05267		mg/Kg		105	80 - 120
Bromobenzene	0.0500	0.05433		mg/Kg		109	80 - 120
Bromochloromethane	0.0500	0.05320		mg/Kg		106	80 - 120
Bromodichloromethane	0.0500	0.05283		mg/Kg		106	80 - 125
Bromoform	0.0500	0.05378		mg/Kg		108	74 - 138
Bromomethane	0.0500	0.05152		mg/Kg		103	58 - 136
cis-1,2-Dichloroethene	0.0500	0.05273		mg/Kg		105	80 - 124
cis-1,3-Dichloropropene	0.0500	0.05099		mg/Kg		102	80 - 123
Carbon disulfide	0.0500	0.05325		mg/Kg		106	68 - 128
Carbon tetrachloride	0.0500	0.05153		mg/Kg		103	75 - 140
Chlorobenzene	0.0500	0.05212		mg/Kg		104	80 - 120
Chloroethane	0.0500	0.05029		mg/Kg		101	76 - 137
Chloroform	0.0500	0.04972		mg/Kg		99	80 - 121
Chloromethane	0.0500	0.04651		mg/Kg		93	74 - 133
Dibromochloromethane	0.0500	0.05282		mg/Kg		106	80 - 132
Dibromomethane	0.0500	0.05377		mg/Kg		108	80 - 120
Dichlorodifluoromethane	0.0500	0.05375		mg/Kg		107	63 - 146
Di-isopropyl ether (DIPE)	0.0500	0.04841		mg/Kg		97	73 - 132
Ethanol	0.500	0.5311		mg/Kg		106	46 - 159
Ethylbenzene	0.0500	0.05130		mg/Kg		103	80 - 120
Ethyl-t-butyl ether (ETBE)	0.0500	0.04907		mg/Kg		98	77 - 129
Isopropylbenzene	0.0500	0.05542		mg/Kg		111	80 - 122
Methylene Chloride	0.0500	0.04899		mg/Kg		98	74 - 120
Methyl-t-Butyl Ether (MTBE)	0.0500	0.04907		mg/Kg		98	79 - 123
Naphthalene	0.0500	0.05605		mg/Kg		112	79 - 121
n-Butylbenzene	0.0500	0.05433		mg/Kg		109	79 - 131
N-Propylbenzene	0.0500	0.05346		mg/Kg		107	80 - 122
o-Xylene	0.0500	0.05197		mg/Kg		104	80 - 120
m,p-Xylene	0.100	0.1036		mg/Kg		104	80 - 120
p-Isopropyltoluene	0.0500	0.05399		mg/Kg		108	80 - 126
sec-Butylbenzene	0.0500	0.05399		mg/Kg		108	80 - 125
Styrene	0.0500	0.05293		mg/Kg		106	80 - 120
trans-1,2-Dichloroethene	0.0500	0.05388		mg/Kg		108	75 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-528733/1-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528733

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
trans-1,3-Dichloropropene			0.0500	0.05583		mg/Kg		112	80 - 124		
Tert-amyl-methyl ether (TAME)			0.0500	0.04998		mg/Kg		100	80 - 120		
tert-Butyl alcohol (TBA)			0.250	0.2586		mg/Kg		103	74 - 123		
tert-Butylbenzene			0.0500	0.05560		mg/Kg		111	80 - 124		
Tetrachloroethene			0.0500	0.05437		mg/Kg		109	80 - 122		
Toluene			0.0500	0.05182		mg/Kg		104	80 - 120		
Trichloroethene			0.0500	0.05198		mg/Kg		104	80 - 127		
Trichlorofluoromethane			0.0500	0.05208		mg/Kg		104	70 - 144		
Vinyl acetate			0.0500	0.04978		mg/Kg		100	71 - 125		
Vinyl chloride			0.0500	0.05052		mg/Kg		101	79 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*32 - 179*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*58 - 147*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-528733/2-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0500	0.05741		mg/Kg		115	80 - 125	2	20
1,1,1-Trichloroethane			0.0500	0.04945		mg/Kg		99	78 - 130	2	20
1,1,2,2-Tetrachloroethane			0.0500	0.05526		mg/Kg		111	80 - 124	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0500	0.05324		mg/Kg		106	73 - 130	0	20
1,1,2-Trichloroethane			0.0500	0.05381		mg/Kg		108	80 - 123	3	20
1,1-Dichloroethane			0.0500	0.05037		mg/Kg		101	79 - 124	1	20
1,1-Dichloroethene			0.0500	0.05178		mg/Kg		104	74 - 132	1	20
1,1-Dichloropropene			0.0500	0.04997		mg/Kg		100	78 - 130	2	20
1,2,3-Trichlorobenzene			0.0500	0.05697		mg/Kg		114	80 - 123	3	20
1,2,3-Trichloropropane			0.0500	0.05408		mg/Kg		108	79 - 120	5	20
1,2,4-Trichlorobenzene			0.0500	0.05658		mg/Kg		113	80 - 125	1	20
1,2,4-Trimethylbenzene			0.0500	0.05430		mg/Kg		109	80 - 124	1	20
1,2-Dibromo-3-Chloropropane			0.0500	0.05539		mg/Kg		111	67 - 120	8	20
1,2-Dibromoethane			0.0500	0.05648		mg/Kg		113	80 - 120	4	20
1,2-Dichlorobenzene			0.0500	0.05467		mg/Kg		109	80 - 120	2	20
1,2-Dichloroethane			0.0500	0.05009		mg/Kg		100	77 - 120	1	20
1,2-Dichloropropane			0.0500	0.05214		mg/Kg		104	80 - 126	1	20
1,3,5-Trimethylbenzene			0.0500	0.05485		mg/Kg		110	80 - 121	2	20
1,3-Dichlorobenzene			0.0500	0.05480		mg/Kg		110	80 - 120	2	20
1,3-Dichloropropane			0.0500	0.05343		mg/Kg		107	80 - 120	3	20
1,4-Dichlorobenzene			0.0500	0.05377		mg/Kg		108	80 - 120	3	20
2,2-Dichloropropane			0.0500	0.05174		mg/Kg		103	73 - 135	2	20
2-Butanone (MEK)			0.0500	0.04577		mg/Kg		92	67 - 136	17	20
2-Chlorotoluene			0.0500	0.05317		mg/Kg		106	80 - 120	2	20
2-Hexanone			0.0500	0.04948		mg/Kg		99	70 - 137	5	20
4-Chlorotoluene			0.0500	0.05270		mg/Kg		105	80 - 121	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-528733/2-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			0.0500	0.05249		mg/Kg		105	74 - 124	4	20
Acetone			0.0500	0.04819		mg/Kg		96	61 - 142	0	23
Benzene			0.0500	0.05316		mg/Kg		106	80 - 120	1	20
Bromobenzene			0.0500	0.05596		mg/Kg		112	80 - 120	3	20
Bromochloromethane			0.0500	0.05304		mg/Kg		106	80 - 120	0	20
Bromodichloromethane			0.0500	0.05422		mg/Kg		108	80 - 125	3	20
Bromoform			0.0500	0.05656		mg/Kg		113	74 - 138	5	20
Bromomethane			0.0500	0.04809		mg/Kg		96	58 - 136	7	20
cis-1,2-Dichloroethene			0.0500	0.05277		mg/Kg		106	80 - 124	0	20
cis-1,3-Dichloropropene			0.0500	0.05260		mg/Kg		105	80 - 123	3	20
Carbon disulfide			0.0500	0.05220		mg/Kg		104	68 - 128	2	20
Carbon tetrachloride			0.0500	0.05107		mg/Kg		102	75 - 140	1	20
Chlorobenzene			0.0500	0.05326		mg/Kg		107	80 - 120	2	20
Chloroethane			0.0500	0.04903		mg/Kg		98	76 - 137	3	20
Chloroform			0.0500	0.04977		mg/Kg		100	80 - 121	0	20
Chloromethane			0.0500	0.04439		mg/Kg		89	74 - 133	5	20
Dibromochloromethane			0.0500	0.05492		mg/Kg		110	80 - 132	4	20
Dibromomethane			0.0500	0.05474		mg/Kg		109	80 - 120	2	20
Dichlorodifluoromethane			0.0500	0.05164		mg/Kg		103	63 - 146	4	20
Di-isopropyl ether (DIPE)			0.0500	0.04784		mg/Kg		96	73 - 132	1	20
Ethanol			0.500	0.5420		mg/Kg		108	46 - 159	2	30
Ethylbenzene			0.0500	0.05267		mg/Kg		105	80 - 120	3	20
Ethyl-t-butyl ether (ETBE)			0.0500	0.04817		mg/Kg		96	77 - 129	2	20
Isopropylbenzene			0.0500	0.05688		mg/Kg		114	80 - 122	3	20
Methylene Chloride			0.0500	0.04807		mg/Kg		96	74 - 120	2	20
Methyl-t-Butyl Ether (MTBE)			0.0500	0.04906		mg/Kg		98	79 - 123	0	20
Naphthalene			0.0500	0.05668		mg/Kg		113	79 - 121	1	20
n-Butylbenzene			0.0500	0.05492		mg/Kg		110	79 - 131	1	20
N-Propylbenzene			0.0500	0.05453		mg/Kg		109	80 - 122	2	20
o-Xylene			0.0500	0.05308		mg/Kg		106	80 - 120	2	20
m,p-Xylene			0.100	0.1052		mg/Kg		105	80 - 120	2	20
p-Isopropyltoluene			0.0500	0.05496		mg/Kg		110	80 - 126	2	20
sec-Butylbenzene			0.0500	0.05472		mg/Kg		109	80 - 125	1	20
Styrene			0.0500	0.05431		mg/Kg		109	80 - 120	3	20
trans-1,2-Dichloroethene			0.0500	0.05327		mg/Kg		107	75 - 123	1	20
trans-1,3-Dichloropropene			0.0500	0.05773		mg/Kg		115	80 - 124	3	20
Tert-amyl-methyl ether (TAME)			0.0500	0.05099		mg/Kg		102	80 - 120	2	20
tert-Butyl alcohol (TBA)			0.250	0.2669		mg/Kg		107	74 - 123	3	20
tert-Butylbenzene			0.0500	0.05604		mg/Kg		112	80 - 124	1	20
Tetrachloroethene			0.0500	0.05463		mg/Kg		109	80 - 122	0	20
Toluene			0.0500	0.05245		mg/Kg		105	80 - 120	1	20
Trichloroethene			0.0500	0.05259		mg/Kg		105	80 - 127	1	20
Trichlorofluoromethane			0.0500	0.05028		mg/Kg		101	70 - 144	4	20
Vinyl acetate			0.0500	0.05646		mg/Kg		113	71 - 125	13	20
Vinyl chloride			0.0500	0.04806		mg/Kg		96	79 - 133	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*32 - 179*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-528733/2-A
Matrix: Solid
Analysis Batch: 528747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528733

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*58 - 147*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-529788/3-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098	0.043	mg/Kg		02/04/25 13:13	02/04/25 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*42 - 126*	*02/04/25 13:13*	*02/04/25 14:24*	*1*

Lab Sample ID: LCS 570-529788/1-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529788

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			2.00	1.751		mg/Kg		88	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*42 - 126*

Lab Sample ID: LCSD 570-529788/2-A
Matrix: Solid
Analysis Batch: 529764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529788

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.00	1.720		mg/Kg		86	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-532100/1-A
Matrix: Solid
Analysis Batch: 533710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 532100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	4.6	mg/Kg		02/10/25 15:03	02/13/25 22:44	1
C23-C40	ND		5.0	4.6	mg/Kg		02/10/25 15:03	02/13/25 22:44	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-532100/1-A
Matrix: Solid
Analysis Batch: 533710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 532100

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	93		60 - 138	02/10/25 15:03	02/13/25 22:44	1

Lab Sample ID: LCS 570-532100/2-A
Matrix: Solid
Analysis Batch: 533710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 532100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	424.7		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	91		60 - 138

Lab Sample ID: LCSD 570-532100/3-A
Matrix: Solid
Analysis Batch: 533710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 532100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	428.1		mg/Kg		107	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	92		60 - 138

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-530208/1-A ^2
Matrix: Solid
Analysis Batch: 531109

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.36	5.30	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Arsenic	ND		2.81	1.82	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Barium	ND		1.87	0.276	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Beryllium	ND		0.374	0.0880	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Cadmium	ND		0.374	0.143	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Chromium	ND		0.936	0.497	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Cobalt	ND		1.87	0.399	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Copper	ND		1.87	0.533	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Lead	ND		1.87	1.24	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Molybdenum	ND		3.74	0.917	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Nickel	ND		1.87	1.06	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Selenium	ND		2.81	1.47	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Silver	ND		1.87	0.398	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Thallium	ND		9.36	2.67	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Vanadium	ND		3.74	0.820	mg/Kg		02/05/25 12:06	02/06/25 21:29	2
Zinc	ND		3.74	1.53	mg/Kg		02/05/25 12:06	02/06/25 21:29	2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-530208/2-A ^2
Matrix: Solid
Analysis Batch: 531109

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	190	192.2		mg/Kg		101	80 - 120
Arsenic	190	183.0		mg/Kg		96	80 - 120
Barium	190	193.8		mg/Kg		102	80 - 120
Beryllium	190	187.0		mg/Kg		98	80 - 120
Cadmium	190	186.5		mg/Kg		98	80 - 120
Chromium	190	191.3		mg/Kg		101	80 - 120
Cobalt	190	190.9		mg/Kg		100	80 - 120
Copper	190	193.0		mg/Kg		101	80 - 120
Lead	190	190.5		mg/Kg		100	80 - 120
Molybdenum	190	199.7		mg/Kg		105	80 - 120
Nickel	190	185.6		mg/Kg		98	80 - 120
Selenium	190	162.0		mg/Kg		85	80 - 120
Silver	95.1	93.90		mg/Kg		99	80 - 120
Thallium	190	184.7		mg/Kg		97	80 - 120
Vanadium	190	194.3		mg/Kg		102	80 - 120
Zinc	190	183.4		mg/Kg		96	80 - 120

Lab Sample ID: LCSD 570-530208/3-A ^2
Matrix: Solid
Analysis Batch: 531109

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530208

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	195	192.9		mg/Kg		99	80 - 120	0	20
Arsenic	195	181.5		mg/Kg		93	80 - 120	1	20
Barium	195	193.8		mg/Kg		99	80 - 120	0	20
Beryllium	195	187.2		mg/Kg		96	80 - 120	0	20
Cadmium	195	186.5		mg/Kg		96	80 - 120	0	20
Chromium	195	191.5		mg/Kg		98	80 - 120	0	20
Cobalt	195	191.0		mg/Kg		98	80 - 120	0	20
Copper	195	193.2		mg/Kg		99	80 - 120	0	20
Lead	195	190.9		mg/Kg		98	80 - 120	0	20
Molybdenum	195	199.9		mg/Kg		102	80 - 120	0	20
Nickel	195	185.4		mg/Kg		95	80 - 120	0	20
Selenium	195	161.3		mg/Kg		83	80 - 120	0	20
Silver	97.6	93.91		mg/Kg		96	80 - 120	0	20
Thallium	195	185.1		mg/Kg		95	80 - 120	0	20
Vanadium	195	194.7		mg/Kg		100	80 - 120	0	20
Zinc	195	183.3		mg/Kg		94	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-530185/1-A
Matrix: Solid
Analysis Batch: 530444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817	0.0225	mg/Kg		02/05/25 11:04	02/05/25 16:15	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-530185/2-A
Matrix: Solid
Analysis Batch: 530444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.426	0.3679		mg/Kg		86	80 - 120		

Lab Sample ID: LCSD 570-530185/3-A
Matrix: Solid
Analysis Batch: 530444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530185

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.417	0.3589		mg/Kg		86	80 - 120	2	10

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 570-530805/1
Matrix: Solid
Analysis Batch: 530805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			02/06/25 14:14	1

Lab Sample ID: 570-216048-1 DU
Matrix: Solid
Analysis Batch: 530805

Client Sample ID: Base-1.30.2025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.76			5.42		%				6	10

GC/MS VOA

Prep Batch: 528733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	5030C	
MB 570-528733/5-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-528733/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-528733/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Analysis Batch: 528747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	8260B	528733
MB 570-528733/5-A	Method Blank	Total/NA	Solid	8260B	528733
LCS 570-528733/1-A	Lab Control Sample	Total/NA	Solid	8260B	528733
LCSD 570-528733/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	528733

GC VOA

Analysis Batch: 529764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	8015B	529788
MB 570-529788/3-A	Method Blank	Total/NA	Solid	8015B	529788
LCS 570-529788/1-A	Lab Control Sample	Total/NA	Solid	8015B	529788
LCSD 570-529788/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	529788

Prep Batch: 529788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	5030C	
MB 570-529788/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-529788/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-529788/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

GC Semi VOA

Prep Batch: 532100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	3550C	
MB 570-532100/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-532100/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-532100/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 533710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-532100/1-A	Method Blank	Total/NA	Solid	8015B	532100
LCS 570-532100/2-A	Lab Control Sample	Total/NA	Solid	8015B	532100
LCSD 570-532100/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	532100

Analysis Batch: 533847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	8015B	532100

Metals

Prep Batch: 530185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 530185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-530185/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-530185/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-530185/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 530208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	3051A	
MB 570-530208/1-A ^2	Method Blank	Total/NA	Solid	3051A	
LCS 570-530208/2-A ^2	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-530208/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 530444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	7471A	530185
MB 570-530185/1-A	Method Blank	Total/NA	Solid	7471A	530185
LCS 570-530185/2-A	Lab Control Sample	Total/NA	Solid	7471A	530185
LCSD 570-530185/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	530185

Analysis Batch: 531109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	6010B	530208
MB 570-530208/1-A ^2	Method Blank	Total/NA	Solid	6010B	530208
LCS 570-530208/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	530208
LCSD 570-530208/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6010B	530208

General Chemistry

Analysis Batch: 530805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-216048-1	Base-1.30.2025	Total/NA	Solid	Moisture - 2540	
MB 570-530805/1	Method Blank	Total/NA	Solid	Moisture - 2540	
570-216048-1 DU	Base-1.30.2025	Total/NA	Solid	Moisture - 2540	

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: Base-1.30.2025
Date Collected: 01/30/25 15:00
Date Received: 01/30/25 17:05

Lab Sample ID: 570-216048-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.16 g	5 mL	528733	01/31/25 16:42	NR	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	528747	01/31/25 23:42	NR	EET CAL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	5030C			5.01 g	5 mL	529788	02/04/25 13:13	A9VE	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	529764	02/04/25 20:48	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.09 g	10 mL	532100	02/10/25 15:03	S4NC	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	533847	02/14/25 11:38	NR	EET CAL 4
	Instrument ID: GC100									
Total/NA	Prep	3051A			0.5367 g	50 mL	530208	02/05/25 12:06	EV3M	EET CAL 4
Total/NA	Analysis	6010B		2			531109	02/06/25 21:54	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.50 g	50 mL	530185	02/05/25 11:04	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			530444	02/05/25 16:56	BG9Y	EET CAL 4
	Instrument ID: HG7									
Total/NA	Analysis	Moisture - 2540		1			530805	02/06/25 14:14	TP6R	EET CAL 4
	Instrument ID: BAL66									

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture - 2540	Percent Moisture	SM	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-216048-1
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-216048-1	Base-1.30.2025	Solid	01/30/25 15:00	01/30/25 17:05

Loc: 570
216048

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO NO. / LAB USE ONLY

CHAIN-OF-CUSTO

DATE: 1/3

PAGE: 1 OF 1

LABORATORY CLIENT: Langan

ADDRESS: 18575 Jamboree Road, Suite 150

CITY: Irvine STATE: CA ZIP: 92612

TEL: 949-561-9200 E-MAIL: tknight@langan.com

CLIENT PROJECT NAME / NO.: 700152701

P.O. NO.:

PROJECT CONTACT: Travis Knight

ECI PROJECT #: ECI PROJECT #57022480

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) Rafic Famous

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

570-216048 Chain of Custody

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6010B/7471A CA Title 22 Metals	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs
1	Base-1.30.2025	—	1/30/25		base	1	1	0		X	X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1/30/25	Time: 1600
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1/30/25	Time: 1705
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

1.1/1.3 Sc 14

2014-07-01 Revision

RHKS

2/17/2025

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-216048-1

Login Number: 216048
List Number: 1
Creator: Le, Sunny

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

CONFIRMATION SAMPLE LABORATORY REPORTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 7/1/2025 4:34:30 PM

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-234684-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

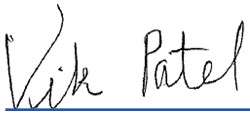
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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7/1/2025 4:34:30 PM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-234684-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/13/2025 5:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.8°C.

GC/MS VOA
Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-584232: cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-584232. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
Method 8015B_GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-588569. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.063	J	0.094	0.042	mg/Kg	1	☼	8015B	Total/NA
Arsenic	3.23		0.543	0.0855	mg/Kg	5	☼	6020	Total/NA
Barium	54.4		0.543	0.300	mg/Kg	5	☼	6020	Total/NA
Chromium	15.6		0.543	0.413	mg/Kg	5	☼	6020	Total/NA
Cobalt	7.98		0.543	0.0556	mg/Kg	5	☼	6020	Total/NA
Copper	13.2		0.543	0.101	mg/Kg	5	☼	6020	Total/NA
Lead	4.09		0.543	0.300	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.585		0.543	0.267	mg/Kg	5	☼	6020	Total/NA
Nickel	9.91		0.543	0.368	mg/Kg	5	☼	6020	Total/NA
Selenium	0.818		0.543	0.413	mg/Kg	5	☼	6020	Total/NA
Vanadium	30.5		0.543	0.203	mg/Kg	5	☼	6020	Total/NA
Zinc	32.4		5.43	3.28	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.054		0.023	0.0062	mg/Kg	1	☼	8270C SIM	Total/NA
2-Methylnaphthalene	0.058		0.023	0.0059	mg/Kg	1	☼	8270C SIM	Total/NA
Gasoline Range Organics (C4-C12)	0.14		0.10	0.045	mg/Kg	1	☼	8015B	Total/NA
C13-C22	310		29	26	mg/Kg	5	☼	8015B	Total/NA
C23-C40	990		29	26	mg/Kg	5	☼	8015B	Total/NA
Antimony	0.479	J	0.623	0.251	mg/Kg	5	☼	6020	Total/NA
Arsenic	4.18		0.623	0.0982	mg/Kg	5	☼	6020	Total/NA
Barium	92.4		0.623	0.344	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.618	J	0.623	0.0898	mg/Kg	5	☼	6020	Total/NA
Chromium	20.3		0.623	0.475	mg/Kg	5	☼	6020	Total/NA
Cobalt	7.39		0.623	0.0638	mg/Kg	5	☼	6020	Total/NA
Copper	34.7		0.623	0.116	mg/Kg	5	☼	6020	Total/NA
Lead	11.7		0.623	0.344	mg/Kg	5	☼	6020	Total/NA
Molybdenum	1.85		0.623	0.307	mg/Kg	5	☼	6020	Total/NA
Nickel	17.4		0.623	0.423	mg/Kg	5	☼	6020	Total/NA
Vanadium	267		0.623	0.234	mg/Kg	5	☼	6020	Total/NA
Zinc	149		6.23	3.76	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0373	J	0.0955	0.0264	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C22	19		5.7	5.2	mg/Kg	1	☼	8015B	Total/NA
C23-C40	98		5.7	5.2	mg/Kg	1	☼	8015B	Total/NA
Antimony	0.548	J	0.567	0.229	mg/Kg	5	☼	6020	Total/NA
Arsenic	4.81		0.567	0.0893	mg/Kg	5	☼	6020	Total/NA
Barium	71.9		0.567	0.313	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.517	J	0.567	0.452	mg/Kg	5	☼	6020	Total/NA
Cadmium	1.82		0.567	0.0816	mg/Kg	5	☼	6020	Total/NA
Chromium	16.6		0.567	0.432	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.78		0.567	0.0580	mg/Kg	5	☼	6020	Total/NA
Copper	23.8		0.567	0.105	mg/Kg	5	☼	6020	Total/NA
Lead	6.50		0.567	0.313	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.518	J	0.567	0.279	mg/Kg	5	☼	6020	Total/NA
Nickel	14.5		0.567	0.385	mg/Kg	5	☼	6020	Total/NA
Selenium	1.28		0.567	0.431	mg/Kg	5	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: StretfordEPSW01_SW_1.5 (Continued) — Lab Sample ID: 570-234684-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.217	J	0.567	0.180	mg/Kg	5	☼	6020	Total/NA
Vanadium	342		0.567	0.213	mg/Kg	5	☼	6020	Total/NA
Zinc	52.6		5.67	3.42	mg/Kg	5	☼	6020	Total/NA
Mercury	0.298		0.0944	0.0261	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: StretfordEPSW01_SE_1.5 — Lab Sample ID: 570-234684-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.99		0.596	0.0940	mg/Kg	5	☼	6020	Total/NA
Barium	128		0.596	0.330	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.797		0.596	0.476	mg/Kg	5	☼	6020	Total/NA
Chromium	19.9		0.596	0.454	mg/Kg	5	☼	6020	Total/NA
Cobalt	8.52		0.596	0.0611	mg/Kg	5	☼	6020	Total/NA
Copper	17.0		0.596	0.111	mg/Kg	5	☼	6020	Total/NA
Lead	5.27		0.596	0.330	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.401	J	0.596	0.293	mg/Kg	5	☼	6020	Total/NA
Nickel	16.4		0.596	0.405	mg/Kg	5	☼	6020	Total/NA
Selenium	1.18		0.596	0.454	mg/Kg	5	☼	6020	Total/NA
Thallium	0.212	J	0.596	0.190	mg/Kg	5	☼	6020	Total/NA
Vanadium	89.8		0.596	0.224	mg/Kg	5	☼	6020	Total/NA
Zinc	52.7		5.96	3.60	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPSW01_S_1.5 — Lab Sample ID: 570-234684-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.84		0.575	0.0907	mg/Kg	5	☼	6020	Total/NA
Barium	61.0		0.575	0.318	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.498	J	0.575	0.459	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.136	J	0.575	0.0829	mg/Kg	5	☼	6020	Total/NA
Chromium	16.7		0.575	0.438	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.43		0.575	0.0589	mg/Kg	5	☼	6020	Total/NA
Copper	15.7		0.575	0.107	mg/Kg	5	☼	6020	Total/NA
Lead	5.49		0.575	0.318	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.401	J	0.575	0.283	mg/Kg	5	☼	6020	Total/NA
Nickel	10.2		0.575	0.391	mg/Kg	5	☼	6020	Total/NA
Selenium	1.33		0.575	0.438	mg/Kg	5	☼	6020	Total/NA
Thallium	0.187	J	0.575	0.183	mg/Kg	5	☼	6020	Total/NA
Vanadium	221		0.575	0.216	mg/Kg	5	☼	6020	Total/NA
Zinc	42.9		5.75	3.47	mg/Kg	5	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0092	0.0036	mg/Kg	☼	06/14/25 11:34	06/14/25 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*32 - 179*	*06/14/25 11:34*	*06/14/25 18:51*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*06/14/25 11:34*	*06/14/25 18:51*	*1*
Dibromofluoromethane (Surr)	*107*		*58 - 147*	*06/14/25 11:34*	*06/14/25 18:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/14/25 11:34*	*06/14/25 18:51*	*1*

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0095	0.0037	mg/Kg	☼	06/14/25 11:34	06/14/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/14/25 11:34*	*06/14/25 19:14*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:14*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*06/14/25 11:34*	*06/14/25 19:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:14*	*1*

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0086	0.0034	mg/Kg	☼	06/14/25 11:34	06/14/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*32 - 179*	*06/14/25 11:34*	*06/14/25 19:36*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:36*	*1*
Dibromofluoromethane (Surr)	*103*		*58 - 147*	*06/14/25 11:34*	*06/14/25 19:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:36*	*1*

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	0.0040	mg/Kg	☼	06/14/25 11:34	06/14/25 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/14/25 11:34*	*06/14/25 19:59*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:59*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*06/14/25 11:34*	*06/14/25 19:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/14/25 11:34*	*06/14/25 19:59*	*1*

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0090	0.0035	mg/Kg	☼	06/14/25 11:34	06/14/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*32 - 179*	*06/14/25 11:34*	*06/14/25 20:22*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120	06/14/25 11:34	06/14/25 20:22	1
Dibromofluoromethane (Surr)	106		58 - 147	06/14/25 11:34	06/14/25 20:22	1
Toluene-d8 (Surr)	99		80 - 120	06/14/25 11:34	06/14/25 20:22	1

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.022	0.0060	mg/Kg	☼	06/21/25 09:00	06/25/25 07:43	1
2-Methylnaphthalene	ND		0.022	0.0057	mg/Kg	☼	06/21/25 09:00	06/25/25 07:43	1
Naphthalene	ND		0.022	0.020	mg/Kg	☼	06/21/25 09:00	06/25/25 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*22 - 130*	*06/21/25 09:00*	*06/25/25 07:43*	*1*
Nitrobenzene-d5 (Surr)	*76*		*20 - 145*	*06/21/25 09:00*	*06/25/25 07:43*	*1*
p-Terphenyl-d14 (Surr)	*101*		*33 - 147*	*06/21/25 09:00*	*06/25/25 07:43*	*1*

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.054**		0.023	0.0062	mg/Kg	☼	06/21/25 09:00	06/25/25 08:05	1
2-Methylnaphthalene	**0.058**		0.023	0.0059	mg/Kg	☼	06/21/25 09:00	06/25/25 08:05	1
Naphthalene	ND		0.023	0.021	mg/Kg	☼	06/21/25 09:00	06/25/25 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*22 - 130*	*06/21/25 09:00*	*06/25/25 08:05*	*1*
Nitrobenzene-d5 (Surr)	*82*		*20 - 145*	*06/21/25 09:00*	*06/25/25 08:05*	*1*
p-Terphenyl-d14 (Surr)	*116*		*33 - 147*	*06/21/25 09:00*	*06/25/25 08:05*	*1*

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.023	0.0061	mg/Kg	☼	06/21/25 09:00	06/25/25 08:28	1
2-Methylnaphthalene	ND		0.023	0.0059	mg/Kg	☼	06/21/25 09:00	06/25/25 08:28	1
Naphthalene	ND		0.023	0.021	mg/Kg	☼	06/21/25 09:00	06/25/25 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*22 - 130*	*06/21/25 09:00*	*06/25/25 08:28*	*1*
Nitrobenzene-d5 (Surr)	*80*		*20 - 145*	*06/21/25 09:00*	*06/25/25 08:28*	*1*
p-Terphenyl-d14 (Surr)	*105*		*33 - 147*	*06/21/25 09:00*	*06/25/25 08:28*	*1*

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.024	0.0065	mg/Kg	☼	06/19/25 12:22	06/25/25 13:45	1
2-Methylnaphthalene	ND		0.024	0.0062	mg/Kg	☼	06/19/25 12:22	06/25/25 13:45	1
Naphthalene	ND		0.024	0.022	mg/Kg	☼	06/19/25 12:22	06/25/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*22 - 130*	*06/19/25 12:22*	*06/25/25 13:45*	*1*
Nitrobenzene-d5 (Surr)	*82*		*20 - 145*	*06/19/25 12:22*	*06/25/25 13:45*	*1*
p-Terphenyl-d14 (Surr)	*83*		*33 - 147*	*06/19/25 12:22*	*06/25/25 13:45*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.023	0.0061	mg/Kg	☼	06/19/25 12:22	06/25/25 14:08	1
2-Methylnaphthalene	ND		0.023	0.0059	mg/Kg	☼	06/19/25 12:22	06/25/25 14:08	1
Naphthalene	ND		0.023	0.021	mg/Kg	☼	06/19/25 12:22	06/25/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*22 - 130*	*06/19/25 12:22*	*06/25/25 14:08*	*1*
Nitrobenzene-d5 (Surr)	*84*		*20 - 145*	*06/19/25 12:22*	*06/25/25 14:08*	*1*
p-Terphenyl-d14 (Surr)	*92*		*33 - 147*	*06/19/25 12:22*	*06/25/25 14:08*	*1*

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.063	J	0.094	0.042	mg/Kg	☼	06/14/25 11:34	06/24/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*06/14/25 11:34*	*06/24/25 14:16*	*1*

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.14		0.10	0.045	mg/Kg	☼	06/14/25 11:34	06/24/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*06/14/25 11:34*	*06/24/25 14:40*	*1*

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.091	0.040	mg/Kg	☼	06/14/25 11:34	06/24/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*	*06/14/25 11:34*	*06/24/25 15:04*	*1*

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.044	mg/Kg	☼	06/14/25 11:34	06/24/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*06/14/25 11:34*	*06/24/25 15:28*	*1*

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.083	0.037	mg/Kg	☼	06/14/25 11:34	06/24/25 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*06/14/25 11:34*	*06/24/25 15:52*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.6	5.1	mg/Kg	☼	06/24/25 16:45	06/26/25 15:57	1
C23-C40	ND		5.6	5.1	mg/Kg	☼	06/24/25 16:45	06/26/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*29 - 160*	*06/24/25 16:45*	*06/26/25 15:57*	*1*

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**310**		29	26	mg/Kg	☼	06/24/25 16:45	06/26/25 16:19	5
C23-C40	**990**		29	26	mg/Kg	☼	06/24/25 16:45	06/26/25 16:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*29 - 160*	*06/24/25 16:45*	*06/26/25 16:19*	*5*

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**19**		5.7	5.2	mg/Kg	☼	06/24/25 16:45	06/26/25 16:41	1
C23-C40	**98**		5.7	5.2	mg/Kg	☼	06/24/25 16:45	06/26/25 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*29 - 160*	*06/24/25 16:45*	*06/26/25 16:41*	*1*

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		6.1	5.5	mg/Kg	☼	06/24/25 16:45	06/26/25 17:03	1
C23-C40	ND		6.1	5.5	mg/Kg	☼	06/24/25 16:45	06/26/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*29 - 160*	*06/24/25 16:45*	*06/26/25 17:03*	*1*

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.5	5.1	mg/Kg	☼	06/24/25 16:45	06/26/25 17:24	1
C23-C40	ND		5.5	5.1	mg/Kg	☼	06/24/25 16:45	06/26/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*29 - 160*	*06/24/25 16:45*	*06/26/25 17:24*	*1*

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.543	0.219	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Arsenic	**3.23**		0.543	0.0855	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Barium	**54.4**		0.543	0.300	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Beryllium	ND		0.543	0.433	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Cadmium	ND		0.543	0.0781	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Chromium	**15.6**		0.543	0.413	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Cobalt	**7.98**		0.543	0.0556	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Copper	**13.2**		0.543	0.101	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Lead	**4.09**		0.543	0.300	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Molybdenum	**0.585**		0.543	0.267	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Nickel	**9.91**		0.543	0.368	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Selenium	**0.818**		0.543	0.413	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Silver	ND		1.09	0.556	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Thallium	ND		0.543	0.173	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Vanadium	**30.5**		0.543	0.203	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5
Zinc	**32.4**		5.43	3.28	mg/Kg	☼	06/19/25 10:00	06/19/25 14:59	5

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.479**	**J**	0.623	0.251	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Arsenic	**4.18**		0.623	0.0982	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Barium	**92.4**		0.623	0.344	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Beryllium	ND		0.623	0.497	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Cadmium	**0.618**	**J**	0.623	0.0898	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Chromium	**20.3**		0.623	0.475	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Cobalt	**7.39**		0.623	0.0638	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Copper	**34.7**		0.623	0.116	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Lead	**11.7**		0.623	0.344	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Molybdenum	**1.85**		0.623	0.307	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Nickel	**17.4**		0.623	0.423	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Selenium	ND		0.623	0.474	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Silver	ND		1.25	0.639	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Thallium	ND		0.623	0.198	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Vanadium	**267**		0.623	0.234	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5
Zinc	**149**		6.23	3.76	mg/Kg	☼	06/19/25 10:00	06/19/25 15:02	5

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.548**	**J**	0.567	0.229	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Arsenic	**4.81**		0.567	0.0893	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Barium	**71.9**		0.567	0.313	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Beryllium	**0.517**	**J**	0.567	0.452	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Cadmium	**1.82**		0.567	0.0816	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Chromium	**16.6**		0.567	0.432	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Cobalt	**6.78**		0.567	0.0580	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Copper	**23.8**		0.567	0.105	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5

Method: SW846 6020 - Metals (ICP/MS) (Continued)

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.50**		0.567	0.313	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Molybdenum	**0.518**	**J**	0.567	0.279	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Nickel	**14.5**		0.567	0.385	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Selenium	**1.28**		0.567	0.431	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Silver	ND		1.13	0.581	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Thallium	**0.217**	**J**	0.567	0.180	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Vanadium	**342**		0.567	0.213	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5
Zinc	**52.6**		5.67	3.42	mg/Kg	☼	06/23/25 12:10	06/24/25 13:15	5

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.596	0.241	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Arsenic	**3.99**		0.596	0.0940	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Barium	**128**		0.596	0.330	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Beryllium	**0.797**		0.596	0.476	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Cadmium	ND		0.596	0.0859	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Chromium	**19.9**		0.596	0.454	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Cobalt	**8.52**		0.596	0.0611	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Copper	**17.0**		0.596	0.111	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Lead	**5.27**		0.596	0.330	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Molybdenum	**0.401**	**J**	0.596	0.293	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Nickel	**16.4**		0.596	0.405	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Selenium	**1.18**		0.596	0.454	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Silver	ND		1.19	0.611	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Thallium	**0.212**	**J**	0.596	0.190	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Vanadium	**89.8**		0.596	0.224	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5
Zinc	**52.7**		5.96	3.60	mg/Kg	☼	06/23/25 12:10	06/24/25 13:29	5

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.575	0.232	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Arsenic	**4.84**		0.575	0.0907	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Barium	**61.0**		0.575	0.318	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Beryllium	**0.498**	**J**	0.575	0.459	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Cadmium	**0.136**	**J**	0.575	0.0829	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Chromium	**16.7**		0.575	0.438	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Cobalt	**6.43**		0.575	0.0589	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Copper	**15.7**		0.575	0.107	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Lead	**5.49**		0.575	0.318	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Molybdenum	**0.401**	**J**	0.575	0.283	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Nickel	**10.2**		0.575	0.391	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Selenium	**1.33**		0.575	0.438	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Silver	ND		1.15	0.589	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Thallium	**0.187**	**J**	0.575	0.183	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Vanadium	**221**		0.575	0.216	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5
Zinc	**42.9**		5.75	3.47	mg/Kg	☼	06/23/25 12:10	06/24/25 13:32	5

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0882	0.0243	mg/Kg	☼	06/17/25 09:54	06/17/25 15:01	1

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0373**	**J**	0.0955	0.0264	mg/Kg	☼	06/17/25 09:54	06/17/25 15:03	1

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.298**		0.0944	0.0261	mg/Kg	☼	06/17/25 09:54	06/17/25 15:05	1

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.105	0.0291	mg/Kg	☼	06/17/25 09:54	06/17/25 15:06	1

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0912	0.0252	mg/Kg	☼	06/17/25 09:54	06/17/25 15:08	1

General Chemistry

Client Sample ID: StretfordEPSW01_N_1.5 **Lab Sample ID: 570-234684-1**
Date Collected: 06/13/25 11:51 **Matrix: Solid**
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	10.9		0.100	0.100	%			06/17/25 19:19	1

Client Sample ID: StretfordEPSW01_NE_1.0 **Lab Sample ID: 570-234684-2**
Date Collected: 06/13/25 14:04 **Matrix: Solid**
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	12.7		0.100	0.100	%			06/17/25 19:19	1

Client Sample ID: StretfordEPSW01_SW_1.5 **Lab Sample ID: 570-234684-3**
Date Collected: 06/13/25 14:27 **Matrix: Solid**
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	13.5		0.100	0.100	%			06/18/25 10:00	1

Client Sample ID: StretfordEPSW01_SE_1.5 **Lab Sample ID: 570-234684-4**
Date Collected: 06/13/25 15:07 **Matrix: Solid**
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	19.3		0.100	0.100	%			06/18/25 10:00	1

Client Sample ID: StretfordEPSW01_S_1.5 **Lab Sample ID: 570-234684-5**
Date Collected: 06/13/25 15:11 **Matrix: Solid**
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	13.8		0.100	0.100	%			06/18/25 10:00	1

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(32-179)	(80-120)	(58-147)	(80-120)
570-234684-1	StretfordEPSW01_N_1.5	118	104	107	99
570-234684-2	StretfordEPSW01_NE_1.0	115	105	105	100
570-234684-3	StretfordEPSW01_SW_1.5	114	102	103	100
570-234684-4	StretfordEPSW01_SE_1.5	115	104	105	100
570-234684-5	StretfordEPSW01_S_1.5	113	102	106	99
LCS 570-584232/4	Lab Control Sample	101	102	98	108
LCSD 570-584232/5	Lab Control Sample Dup	98	108	97	100
MB 570-584232/7	Method Blank	100	101	98	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(22-130)	(20-145)	(33-147)
570-234684-1	StretfordEPSW01_N_1.5	73	76	101
570-234684-2	StretfordEPSW01_NE_1.0	84	82	116
570-234684-3	StretfordEPSW01_SW_1.5	81	80	105
570-234684-4	StretfordEPSW01_SE_1.5	80	82	83
570-234684-5	StretfordEPSW01_S_1.5	86	84	92
LCS 570-586526/2-A	Lab Control Sample	96	97	101
LCS 570-587213/2-A	Lab Control Sample	89	86	96
LCSD 570-586526/3-A	Lab Control Sample Dup	96	97	102
LCSD 570-587213/3-A	Lab Control Sample Dup	93	86	95
MB 570-586526/1-A	Method Blank	90	89	92
MB 570-587213/1-A	Method Blank	91	90	100

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-234684-1	StretfordEPSW01_N_1.5	96
570-234684-2	StretfordEPSW01_NE_1.0	95
570-234684-3	StretfordEPSW01_SW_1.5	98
570-234684-4	StretfordEPSW01_SE_1.5	97
570-234684-5	StretfordEPSW01_S_1.5	97
LCS 570-588569/3	Lab Control Sample	96
LCSD 570-588569/4	Lab Control Sample Dup	95

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	BFB1 (42-126)								
MB 570-588569/5	Method Blank	94								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN1 (29-160)								
570-234684-1	StretfordEPSW01_N_1.5	94								
570-234684-2	StretfordEPSW01_NE_1.0	105								
570-234684-3	StretfordEPSW01_SW_1.5	103								
570-234684-4	StretfordEPSW01_SE_1.5	96								
570-234684-5	StretfordEPSW01_S_1.5	92								
LCS 570-588836/2-A	Lab Control Sample	101								
LCSD 570-588836/3-A	Lab Control Sample Dup	102								
MB 570-588836/1-A	Method Blank	106								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-584232/7
Matrix: Solid
Analysis Batch: 584232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	0.0039	mg/Kg			06/14/25 15:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*32 - 179*		*06/14/25 15:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/14/25 15:25*	*1*
Dibromofluoromethane (Surr)	*98*		*58 - 147*		*06/14/25 15:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/14/25 15:25*	*1*

Lab Sample ID: LCS 570-584232/4
Matrix: Solid
Analysis Batch: 584232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0200	0.02072		mg/Kg		104	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 179*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*58 - 147*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 570-584232/5
Matrix: Solid
Analysis Batch: 584232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			0.0200	0.02034		mg/Kg		102	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 179*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*58 - 147*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-586526/1-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020	0.0053	mg/Kg		06/19/25 12:21	06/24/25 14:46	1
2-Methylnaphthalene	ND		0.020	0.0051	mg/Kg		06/19/25 12:21	06/24/25 14:46	1
Naphthalene	ND		0.020	0.018	mg/Kg		06/19/25 12:21	06/24/25 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*22 - 130*	*06/19/25 12:21*	*06/24/25 14:46*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: MB 570-586526/1-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586526

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		20 - 145	06/19/25 12:21	06/24/25 14:46	1
p-Terphenyl-d14 (Surr)	92		33 - 147	06/19/25 12:21	06/24/25 14:46	1

Lab Sample ID: LCS 570-586526/2-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			0.995	1.031		mg/Kg		104	54 - 132		
2-Methylnaphthalene			0.995	1.014		mg/Kg		102	50 - 127		
Naphthalene			0.995	0.9826		mg/Kg		99	51 - 129		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	96		22 - 130
Nitrobenzene-d5 (Surr)	97		20 - 145
p-Terphenyl-d14 (Surr)	101		33 - 147

Lab Sample ID: LCSD 570-586526/3-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 586526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			1.00	1.039		mg/Kg		104	54 - 132	1	20
2-Methylnaphthalene			1.00	1.019		mg/Kg		102	50 - 127	0	20
Naphthalene			1.00	1.005		mg/Kg		100	51 - 129	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	96		22 - 130
Nitrobenzene-d5 (Surr)	97		20 - 145
p-Terphenyl-d14 (Surr)	102		33 - 147

Lab Sample ID: MB 570-587213/1-A
Matrix: Solid
Analysis Batch: 588888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020	0.0053	mg/Kg		06/20/25 14:50	06/25/25 00:11	1
2-Methylnaphthalene	ND		0.020	0.0051	mg/Kg		06/20/25 14:50	06/25/25 00:11	1
Naphthalene	ND		0.020	0.018	mg/Kg		06/20/25 14:50	06/25/25 00:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	91		22 - 130	06/20/25 14:50	06/25/25 00:11	1
Nitrobenzene-d5 (Surr)	90		20 - 145	06/20/25 14:50	06/25/25 00:11	1
p-Terphenyl-d14 (Surr)	100		33 - 147	06/20/25 14:50	06/25/25 00:11	1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCS 570-587213/2-A
Matrix: Solid
Analysis Batch: 588888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587213

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.00	0.9400		mg/Kg		94	54 - 132		
2-Methylnaphthalene			1.00	0.9753		mg/Kg		97	50 - 127		
Naphthalene			1.00	0.8733		mg/Kg		87	51 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*89*		*22 - 130*
Nitrobenzene-d5 (Surr)	*86*		*20 - 145*
p-Terphenyl-d14 (Surr)	*96*		*33 - 147*

Lab Sample ID: LCSD 570-587213/3-A
Matrix: Solid
Analysis Batch: 588888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 587213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			1.00	0.9326		mg/Kg		93	54 - 132	1	20
2-Methylnaphthalene			1.00	0.9439		mg/Kg		94	50 - 127	3	20
Naphthalene			1.00	0.9090		mg/Kg		91	51 - 129	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*93*		*22 - 130*
Nitrobenzene-d5 (Surr)	*86*		*20 - 145*
p-Terphenyl-d14 (Surr)	*95*		*33 - 147*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-588569/5
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.044	mg/Kg			06/24/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*		*06/24/25 12:21*	*1*

Lab Sample ID: LCS 570-588569/3
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.99	1.471		mg/Kg		74	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 570-588569/4
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.98	1.469		mg/Kg		74	70 - 124	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-588836/1-A
Matrix: Solid
Analysis Batch: 589561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	4.6	mg/Kg		06/24/25 16:45	06/26/25 02:37	1
C23-C40	ND		5.0	4.6	mg/Kg		06/24/25 16:45	06/26/25 02:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*29 - 160*	*06/24/25 16:45*	*06/26/25 02:37*	*1*

Lab Sample ID: LCS 570-588836/2-A
Matrix: Solid
Analysis Batch: 589561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]			400	415.2		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*101*		*29 - 160*

Lab Sample ID: LCSD 570-588836/3-A
Matrix: Solid
Analysis Batch: 589561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 588836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	424.4		mg/Kg		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*29 - 160*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-586019/1-A
Matrix: Solid
Analysis Batch: 586646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.494	0.199	mg/Kg		06/19/25 10:00	06/19/25 14:23	5

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-586019/1-A
Matrix: Solid
Analysis Batch: 586646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.494	0.0779	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Barium	ND		0.494	0.273	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Beryllium	ND		0.494	0.394	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Cadmium	ND		0.494	0.0712	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Chromium	ND		0.494	0.377	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Cobalt	ND		0.494	0.0506	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Copper	ND		0.494	0.0917	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Lead	ND		0.494	0.273	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Molybdenum	ND		0.494	0.243	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Nickel	ND		0.494	0.336	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Selenium	ND		0.494	0.376	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Silver	ND		0.989	0.506	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Thallium	ND		0.494	0.157	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Vanadium	ND		0.494	0.185	mg/Kg		06/19/25 10:00	06/19/25 14:23	5
Zinc	ND		4.94	2.98	mg/Kg		06/19/25 10:00	06/19/25 14:23	5

Lab Sample ID: LCS 570-586019/2-A
Matrix: Solid
Analysis Batch: 586646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	197	227.7		mg/Kg		115	80 - 120
Arsenic	197	189.3		mg/Kg		96	80 - 120
Barium	197	203.0		mg/Kg		103	80 - 120
Beryllium	197	206.5		mg/Kg		105	80 - 120
Cadmium	197	197.5		mg/Kg		100	80 - 120
Chromium	197	213.7		mg/Kg		108	80 - 120
Cobalt	197	217.9		mg/Kg		111	80 - 120
Copper	197	202.5		mg/Kg		103	80 - 120
Lead	197	211.0		mg/Kg		107	80 - 120
Molybdenum	197	197.7		mg/Kg		100	80 - 120
Nickel	197	201.8		mg/Kg		102	80 - 120
Selenium	197	186.3		mg/Kg		95	80 - 120
Silver	98.6	109.7		mg/Kg		111	80 - 120
Thallium	197	196.8		mg/Kg		100	80 - 120
Vanadium	197	218.6		mg/Kg		111	80 - 120
Zinc	197	191.1		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 570-586019/3-A
Matrix: Solid
Analysis Batch: 586646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 586019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	199	231.9		mg/Kg		117	80 - 120	2	20
Arsenic	199	187.1		mg/Kg		94	80 - 120	1	20
Barium	199	206.1		mg/Kg		104	80 - 120	2	20
Beryllium	199	204.7		mg/Kg		103	80 - 120	1	20
Cadmium	199	200.3		mg/Kg		101	80 - 120	1	20
Chromium	199	212.1		mg/Kg		107	80 - 120	1	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 570-586019/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586646
Prep Batch: 586019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	199	215.0		mg/Kg		108	80 - 120	1	20
Copper	199	201.8		mg/Kg		102	80 - 120	0	20
Lead	199	208.3		mg/Kg		105	80 - 120	1	20
Molybdenum	199	200.7		mg/Kg		101	80 - 120	2	20
Nickel	199	201.5		mg/Kg		101	80 - 120	0	20
Selenium	199	183.9		mg/Kg		93	80 - 120	1	20
Silver	99.3	110.8		mg/Kg		112	80 - 120	1	20
Thallium	199	193.3		mg/Kg		97	80 - 120	2	20
Vanadium	199	210.8		mg/Kg		106	80 - 120	4	20
Zinc	199	190.6		mg/Kg		96	80 - 120	0	20

Lab Sample ID: MB 570-587731/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 588701
Prep Batch: 587731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.482	0.194	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Arsenic	ND		0.482	0.0759	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Barium	ND		0.482	0.266	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Beryllium	ND		0.482	0.384	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Cadmium	ND		0.482	0.0694	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Chromium	ND		0.482	0.367	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Cobalt	ND		0.482	0.0493	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Copper	ND		0.482	0.0893	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Lead	ND		0.482	0.266	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Molybdenum	ND		0.482	0.237	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Nickel	ND		0.482	0.327	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Selenium	ND		0.482	0.366	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Silver	ND		0.963	0.493	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Thallium	ND		0.482	0.153	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Vanadium	ND		0.482	0.181	mg/Kg		06/23/25 12:10	06/24/25 13:07	5
Zinc	ND		4.82	2.91	mg/Kg		06/23/25 12:10	06/24/25 13:07	5

Lab Sample ID: LCS 570-587731/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 588701
Prep Batch: 587731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	194	219.9		mg/Kg		113	80 - 120
Arsenic	194	181.6		mg/Kg		93	80 - 120
Barium	194	191.7		mg/Kg		99	80 - 120
Beryllium	194	190.0		mg/Kg		98	80 - 120
Cadmium	194	186.3		mg/Kg		96	80 - 120
Chromium	194	190.5		mg/Kg		98	80 - 120
Cobalt	194	187.7		mg/Kg		97	80 - 120
Copper	194	188.3		mg/Kg		97	80 - 120
Lead	194	197.6		mg/Kg		102	80 - 120
Molybdenum	194	197.5		mg/Kg		102	80 - 120
Nickel	194	187.2		mg/Kg		96	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-587731/2-A
Matrix: Solid
Analysis Batch: 588701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	194	176.9		mg/Kg		91	80 - 120
Silver	97.2	102.6		mg/Kg		106	80 - 120
Thallium	194	186.1		mg/Kg		96	80 - 120
Vanadium	194	199.8		mg/Kg		103	80 - 120
Zinc	194	182.9		mg/Kg		94	80 - 120

Lab Sample ID: LCSD 570-587731/3-A
Matrix: Solid
Analysis Batch: 588701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 587731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	197	221.2		mg/Kg		112	80 - 120	1	20
Arsenic	197	183.4		mg/Kg		93	80 - 120	1	20
Barium	197	194.9		mg/Kg		99	80 - 120	2	20
Beryllium	197	194.4		mg/Kg		99	80 - 120	2	20
Cadmium	197	190.2		mg/Kg		97	80 - 120	2	20
Chromium	197	190.1		mg/Kg		96	80 - 120	0	20
Cobalt	197	191.3		mg/Kg		97	80 - 120	2	20
Copper	197	191.8		mg/Kg		97	80 - 120	2	20
Lead	197	199.2		mg/Kg		101	80 - 120	1	20
Molybdenum	197	200.9		mg/Kg		102	80 - 120	2	20
Nickel	197	191.2		mg/Kg		97	80 - 120	2	20
Selenium	197	178.1		mg/Kg		90	80 - 120	1	20
Silver	98.5	104.3		mg/Kg		106	80 - 120	2	20
Thallium	197	188.0		mg/Kg		95	80 - 120	1	20
Vanadium	197	199.5		mg/Kg		101	80 - 120	0	20
Zinc	197	184.0		mg/Kg		93	80 - 120	1	20

Lab Sample ID: 570-234684-3 MS
Matrix: Solid
Analysis Batch: 588701

Client Sample ID: StretfordEPSW01_SW_1.5
Prep Type: Total/NA
Prep Batch: 587731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.548	J	228	242.4		mg/Kg	☼	106	75 - 125
Arsenic	4.81		228	212.5		mg/Kg	☼	91	75 - 125
Barium	71.9		228	289.0		mg/Kg	☼	95	75 - 125
Beryllium	0.517	J	228	219.4		mg/Kg	☼	96	75 - 125
Cadmium	1.82		228	219.8		mg/Kg	☼	96	75 - 125
Chromium	16.6		228	231.4		mg/Kg	☼	94	75 - 125
Cobalt	6.78		228	217.5		mg/Kg	☼	93	75 - 125
Copper	23.8		228	235.5		mg/Kg	☼	93	75 - 125
Lead	6.50		228	231.8		mg/Kg	☼	99	75 - 125
Molybdenum	0.518	J	228	231.3		mg/Kg	☼	101	75 - 125
Nickel	14.5		228	223.8		mg/Kg	☼	92	75 - 125
Selenium	1.28		228	206.3		mg/Kg	☼	90	75 - 125
Silver	ND		114	119.1		mg/Kg	☼	105	75 - 125
Thallium	0.217	J	228	211.3		mg/Kg	☼	93	75 - 125
Vanadium	342		228	570.3		mg/Kg	☼	100	75 - 125
Zinc	52.6		228	254.4		mg/Kg	☼	89	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 570-234684-3 MSD — **Client Sample ID: StretfordEPSW01_SW_1.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 588701 — **Prep Batch: 587731**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.548	J	233	245.6		mg/Kg	☼	105	75 - 125	1	20
Arsenic	4.81		233	212.9		mg/Kg	☼	89	75 - 125	0	20
Barium	71.9		233	297.6		mg/Kg	☼	97	75 - 125	3	20
Beryllium	0.517	J	233	221.2		mg/Kg	☼	95	75 - 125	1	20
Cadmium	1.82		233	219.6		mg/Kg	☼	93	75 - 125	0	20
Chromium	16.6		233	230.8		mg/Kg	☼	92	75 - 125	0	20
Cobalt	6.78		233	218.8		mg/Kg	☼	91	75 - 125	1	20
Copper	23.8		233	236.1		mg/Kg	☼	91	75 - 125	0	20
Lead	6.50		233	235.3		mg/Kg	☼	98	75 - 125	1	20
Molybdenum	0.518	J	233	230.7		mg/Kg	☼	99	75 - 125	0	20
Nickel	14.5		233	225.6		mg/Kg	☼	90	75 - 125	1	20
Selenium	1.28		233	207.5		mg/Kg	☼	88	75 - 125	1	20
Silver	ND		117	119.0		mg/Kg	☼	102	75 - 125	0	20
Thallium	0.217	J	233	215.7		mg/Kg	☼	92	75 - 125	2	20
Vanadium	342		233	553.4		mg/Kg	☼	91	75 - 125	3	20
Zinc	52.6		233	264.9		mg/Kg	☼	91	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-585184/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 585291 — **Prep Batch: 585184**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0230	mg/Kg		06/17/25 09:54	06/17/25 14:12	1

Lab Sample ID: LCS 570-585184/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 585291 — **Prep Batch: 585184**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.3827		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 570-585184/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 585291 — **Prep Batch: 585184**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.377	0.3195		mg/Kg		85	80 - 120	18	20

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 570-585512/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 585512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			06/17/25 19:19	1

Method: Moisture - 2540 - Percent Moisture (Continued)

Lab Sample ID: MB 570-585756/1
Matrix: Solid
Analysis Batch: 585756

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			06/18/25 10:00	1

Marginal Exceedance (ME) Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-584232/4
Matrix: Solid

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1,2-Tetrachloroethane	0.0200	0.02257		mg/Kg	113	80 - 125	73 - 133	
1,1,1-Trichloroethane	0.0200	0.02096		mg/Kg	105	78 - 130	69 - 139	
1,1,2,2-Tetrachloroethane	0.0200	0.02204		mg/Kg	110	80 - 124	73 - 131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.02367		mg/Kg	118	73 - 130	64 - 140	
1,1,2-Trichloroethane	0.0200	0.02224		mg/Kg	111	80 - 123	73 - 130	
1,1-Dichloroethane	0.0200	0.02161		mg/Kg	108	79 - 124	72 - 132	
1,1-Dichloroethene	0.0200	0.02369		mg/Kg	118	74 - 132	64 - 142	
1,1-Dichloropropene	0.0200	0.02186		mg/Kg	109	78 - 130	69 - 139	
1,2,3-Trichlorobenzene	0.0200	0.02189		mg/Kg	109	80 - 123	73 - 130	
1,2,3-Trichloropropane	0.0200	0.02122		mg/Kg	106	79 - 120	72 - 127	
1,2,4-Trichlorobenzene	0.0200	0.02270		mg/Kg	114	80 - 125	73 - 133	
1,2,4-Trimethylbenzene	0.0200	0.02171		mg/Kg	109	80 - 124	73 - 131	
1,2-Dibromo-3-Chloropropane	0.0200	0.01994		mg/Kg	100	67 - 120	58 - 129	
1,2-Dibromoethane	0.0200	0.02141		mg/Kg	107	80 - 120	73 - 127	
1,2-Dichlorobenzene	0.0200	0.02094		mg/Kg	105	80 - 120	73 - 127	
1,2-Dichloroethane	0.0200	0.02056		mg/Kg	103	77 - 120	70 - 127	
1,2-Dichloropropane	0.0200	0.02402		mg/Kg	120	80 - 126	72 - 134	
1,3,5-Trimethylbenzene	0.0200	0.02076		mg/Kg	104	80 - 121	73 - 128	
1,3-Dichlorobenzene	0.0200	0.02071		mg/Kg	104	80 - 120	73 - 127	
1,3-Dichloropropane	0.0200	0.02250		mg/Kg	112	80 - 120	73 - 127	
1,4-Dichlorobenzene	0.0200	0.02043		mg/Kg	102	80 - 120	73 - 127	
2,2-Dichloropropane	0.0200	0.02303		mg/Kg	115	73 - 135	63 - 145	
2-Butanone (MEK)	0.0200	0.02401		mg/Kg	120	67 - 136	56 - 148	
2-Chlorotoluene	0.0200	0.02094		mg/Kg	105	80 - 120	73 - 127	
2-Hexanone	0.0200	0.02183		mg/Kg	109	70 - 137	59 - 148	
4-Chlorotoluene	0.0200	0.02072		mg/Kg	104	80 - 121	73 - 128	
4-Methyl-2-pentanone (MIBK)	0.0200	0.02192		mg/Kg	110	74 - 124	66 - 132	
Acetone	0.0200	0.02791		mg/Kg	140	61 - 142	48 - 156	
Benzene	0.0200	0.02115		mg/Kg	106	80 - 120	73 - 127	
Bromobenzene	0.0200	0.02087		mg/Kg	104	80 - 120	73 - 127	
Bromochloromethane	0.0200	0.02137		mg/Kg	107	80 - 120	73 - 127	
Bromodichloromethane	0.0200	0.02249		mg/Kg	112	80 - 125	73 - 133	
Bromoform	0.0200	0.02168		mg/Kg	108	74 - 138	63 - 149	
Bromomethane	0.0200	0.02413		mg/Kg	121	58 - 136	45 - 149	
cis-1,2-Dichloroethene	0.0200	0.02114		mg/Kg	106	80 - 124	73 - 131	
cis-1,3-Dichloropropene	0.0200	0.02571	*+ me	mg/Kg	129	80 - 123	73 - 130	ME
Carbon disulfide	0.0200	0.02194		mg/Kg	110	68 - 128	58 - 138	
Carbon tetrachloride	0.0200	0.02241		mg/Kg	112	75 - 140	64 - 151	
Chlorobenzene	0.0200	0.02174		mg/Kg	109	80 - 120	73 - 127	
Chloroethane	0.0200	0.02219		mg/Kg	111	76 - 137	66 - 147	
Chloroform	0.0200	0.02102		mg/Kg	105	80 - 121	73 - 128	
Chloromethane	0.0200	0.02132		mg/Kg	107	74 - 133	64 - 143	
Dibromochloromethane	0.0200	0.02064		mg/Kg	103	80 - 132	71 - 141	
Dibromomethane	0.0200	0.02402		mg/Kg	120	80 - 120	73 - 127	
Dichlorodifluoromethane	0.0200	0.01879		mg/Kg	94	63 - 146	49 - 160	
Di-isopropyl ether (DIPE)	0.0200	0.02393		mg/Kg	120	73 - 132	63 - 142	
Ethanol	0.200	0.2776		mg/Kg	139	46 - 159	27 - 178	
Ethylbenzene	0.0200	0.02094		mg/Kg	105	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	0.0200	0.02026		mg/Kg	101	77 - 129	68 - 138	

Marginal Exceedance (ME) Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-584232/4
Matrix: Solid

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Isopropylbenzene	0.0200	0.02090		mg/Kg	104	80 - 122	73 - 129	
Methylene Chloride	0.0200	0.02191		mg/Kg	110	74 - 120	66 - 128	
Methyl-t-Butyl Ether (MTBE)	0.0200	0.02386		mg/Kg	119	79 - 123	72 - 130	
Naphthalene	0.0200	0.02072		mg/Kg	104	79 - 121	72 - 128	
n-Butylbenzene	0.0200	0.02145		mg/Kg	107	79 - 131	70 - 140	
N-Propylbenzene	0.0200	0.02097		mg/Kg	105	80 - 122	73 - 129	
o-Xylene	0.0200	0.02060		mg/Kg	103	80 - 120	73 - 127	
m,p-Xylene	0.0400	0.04171		mg/Kg	104	80 - 120	73 - 127	
p-Isopropyltoluene	0.0200	0.02199		mg/Kg	110	80 - 126	72 - 134	
sec-Butylbenzene	0.0200	0.02133		mg/Kg	107	80 - 125	73 - 133	
Styrene	0.0200	0.02105		mg/Kg	105	80 - 120	73 - 127	
trans-1,2-Dichloroethene	0.0200	0.02363		mg/Kg	118	75 - 123	67 - 131	
trans-1,3-Dichloropropene	0.0200	0.02545	*+ me	mg/Kg	127	80 - 124	73 - 131	ME
Tert-amyl-methyl ether (TAME)	0.0200	0.02229		mg/Kg	111	80 - 120	73 - 127	
tert-Butyl alcohol (TBA)	0.100	0.09606		mg/Kg	96	74 - 123	66 - 131	
tert-Butylbenzene	0.0200	0.02068		mg/Kg	103	80 - 124	73 - 131	
Tetrachloroethene	0.0200	0.02168		mg/Kg	108	80 - 122	73 - 129	
Toluene	0.0200	0.02186		mg/Kg	109	80 - 120	73 - 127	
Trichloroethene	0.0200	0.02204		mg/Kg	110	80 - 127	72 - 135	
Trichlorofluoromethane	0.0200	0.02173		mg/Kg	109	70 - 144	58 - 156	
Vinyl acetate	0.0200	0.02124		mg/Kg	106	71 - 125	62 - 134	
Vinyl chloride	0.0200	0.02058		mg/Kg	103	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	2

ME = Marginal Exceedance

GC/MS VOA

Analysis Batch: 584232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	8260B	584235
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	8260B	584235
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	8260B	584235
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	8260B	584235
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	8260B	584235
MB 570-584232/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-584232/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-584232/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 584235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	5035	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	5035	
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	5035	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	5035	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 586526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	3546	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	3546	
MB 570-586526/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-586526/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-586526/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 587213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	3546	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	3546	
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	3546	
MB 570-587213/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-587213/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-587213/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 588484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-586526/1-A	Method Blank	Total/NA	Solid	8270C SIM	586526
LCS 570-586526/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	586526
LCSD 570-586526/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	586526

Analysis Batch: 588888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	8270C SIM	587213
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	8270C SIM	587213
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	8270C SIM	587213
MB 570-587213/1-A	Method Blank	Total/NA	Solid	8270C SIM	587213
LCS 570-587213/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	587213
LCSD 570-587213/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	587213

GC/MS Semi VOA

Analysis Batch: 589251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	8270C SIM	586526
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	8270C SIM	586526

GC VOA

Prep Batch: 584235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	5035	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	5035	
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	5035	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	5035	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	5035	

Analysis Batch: 588569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	8015B	584235
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	8015B	584235
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	8015B	584235
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	8015B	584235
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	8015B	584235
MB 570-588569/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-588569/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-588569/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 588836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	3550C	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	3550C	
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	3550C	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	3550C	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	3550C	
MB 570-588836/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-588836/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-588836/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 589561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-588836/1-A	Method Blank	Total/NA	Solid	8015B	588836
LCS 570-588836/2-A	Lab Control Sample	Total/NA	Solid	8015B	588836
LCSD 570-588836/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	588836

Analysis Batch: 589835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	8015B	588836
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	8015B	588836
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	8015B	588836
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	8015B	588836
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	8015B	588836

Metals

Prep Batch: 585184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	7471A	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	7471A	
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	7471A	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	7471A	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	7471A	
MB 570-585184/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-585184/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-585184/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 585291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	7471A	585184
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	7471A	585184
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	7471A	585184
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	7471A	585184
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	7471A	585184
MB 570-585184/1-A	Method Blank	Total/NA	Solid	7471A	585184
LCS 570-585184/2-A	Lab Control Sample	Total/NA	Solid	7471A	585184
LCSD 570-585184/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	585184

Prep Batch: 586019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	3051A	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	3051A	
MB 570-586019/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 570-586019/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-586019/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 586646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	6020	586019
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	6020	586019
MB 570-586019/1-A	Method Blank	Total/NA	Solid	6020	586019
LCS 570-586019/2-A	Lab Control Sample	Total/NA	Solid	6020	586019
LCSD 570-586019/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	586019

Prep Batch: 587731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	3051A	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	3051A	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	3051A	
MB 570-587731/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 570-587731/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-587731/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
570-234684-3 MS	StretfordEPSW01_SW_1.5	Total/NA	Solid	3051A	
570-234684-3 MSD	StretfordEPSW01_SW_1.5	Total/NA	Solid	3051A	

Analysis Batch: 588701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	6020	587731
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	6020	587731

Metals (Continued)

Analysis Batch: 588701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	6020	587731
MB 570-587731/1-A	Method Blank	Total/NA	Solid	6020	587731
LCS 570-587731/2-A	Lab Control Sample	Total/NA	Solid	6020	587731
LCSD 570-587731/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	587731
570-234684-3 MS	StretfordEPSW01_SW_1.5	Total/NA	Solid	6020	587731
570-234684-3 MSD	StretfordEPSW01_SW_1.5	Total/NA	Solid	6020	587731

General Chemistry

Analysis Batch: 585512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-1	StretfordEPSW01_N_1.5	Total/NA	Solid	Moisture - 2540	
570-234684-2	StretfordEPSW01_NE_1.0	Total/NA	Solid	Moisture - 2540	
MB 570-585512/1	Method Blank	Total/NA	Solid	Moisture - 2540	

Analysis Batch: 585756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-3	StretfordEPSW01_SW_1.5	Total/NA	Solid	Moisture - 2540	
570-234684-4	StretfordEPSW01_SE_1.5	Total/NA	Solid	Moisture - 2540	
570-234684-5	StretfordEPSW01_S_1.5	Total/NA	Solid	Moisture - 2540	
MB 570-585756/1	Method Blank	Total/NA	Solid	Moisture - 2540	

Client Sample ID: StretfordEPSW01_N_1.5
Lab Sample ID: 570-234684-1
Date Collected: 06/13/25 11:51
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.073 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	584232	06/14/25 18:51	NR	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.04 g	2 mL	587213	06/21/25 09:00	XG8M	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	588888	06/25/25 07:43	J7WE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.942 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 14:16	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.01 g	10 mL	588836	06/24/25 16:45	TR8L	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	589835	06/26/25 15:57	NR	EET CAL 4
	Instrument ID: GC47B									
Total/NA	Prep	3051A			0.5169 g	50 mL	586019	06/19/25 10:00	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			586646	06/19/25 14:59	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.53 g	50 mL	585184	06/17/25 09:54	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			585291	06/17/25 15:01	RL6Q	EET CAL 4
	Instrument ID: HG7									
Total/NA	Analysis	Moisture - 2540		1			585512	06/17/25 19:19	N9ZN	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.059 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	584232	06/14/25 19:14	NR	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.01 g	2 mL	587213	06/21/25 09:00	XG8M	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	588888	06/25/25 08:05	J7WE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.577 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 14:40	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.02 g	10 mL	588836	06/24/25 16:45	TR8L	EET CAL 4
Total/NA	Analysis	8015B		5	10 mL	10 mL	589835	06/26/25 16:19	NR	EET CAL 4
	Instrument ID: GC47B									
Total/NA	Prep	3051A			0.4596 g	50 mL	586019	06/19/25 10:00	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			586646	06/19/25 15:02	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.50 g	50 mL	585184	06/17/25 09:54	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			585291	06/17/25 15:03	RL6Q	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			585512	06/17/25 19:19	N9ZN	EET CAL 4

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.684 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	584232	06/14/25 19:36	NR	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.13 g	2 mL	587213	06/21/25 09:00	XG8M	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	588888	06/25/25 08:28	J7WE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.386 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 15:04	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.14 g	10 mL	588836	06/24/25 16:45	TR8L	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	589835	06/26/25 16:41	NR	EET CAL 4
	Instrument ID: GC47B									
Total/NA	Prep	3051A			0.5098 g	50 mL	587731	06/23/25 12:10	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			588701	06/24/25 13:15	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.51 g	50 mL	585184	06/17/25 09:54	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			585291	06/17/25 15:05	RL6Q	EET CAL 4
	Instrument ID: HG7									
Total/NA	Analysis	Moisture - 2540		1			585756	06/18/25 10:00	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.134 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	584232	06/14/25 19:59	NR	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.23 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 13:45	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.199 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 15:28	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.21 g	10 mL	588836	06/24/25 16:45	TR8L	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	589835	06/26/25 17:03	NR	EET CAL 4
	Instrument ID: GC47B									

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPSW01_SE_1.5
Lab Sample ID: 570-234684-4
Date Collected: 06/13/25 15:07
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			0.5194 g	50 mL	587731	06/23/25 12:10	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			588701	06/24/25 13:29	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.49 g	50 mL	585184	06/17/25 09:54	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			585291	06/17/25 15:06	RL6Q	EET CAL 4
	Instrument ID: HG7									
Total/NA	Analysis	Moisture - 2540		1			585756	06/18/25 10:00	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPSW01_S_1.5
Lab Sample ID: 570-234684-5
Date Collected: 06/13/25 15:11
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.424 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	584232	06/14/25 20:22	NR	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.18 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 14:08	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.963 g	5 mL	584235	06/14/25 11:34	W4LC	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 15:52	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.46 g	10 mL	588836	06/24/25 16:45	TR8L	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	589835	06/26/25 17:24	NR	EET CAL 4
	Instrument ID: GC47B									
Total/NA	Prep	3051A			0.5043 g	50 mL	587731	06/23/25 12:10	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			588701	06/24/25 13:32	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.53 g	50 mL	585184	06/17/25 09:54	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			585291	06/17/25 15:08	RL6Q	EET CAL 4
	Instrument ID: HG7									
Total/NA	Analysis	Moisture - 2540		1			585756	06/18/25 10:00	TP6R	EET CAL 4
	Instrument ID: BAL109									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8270C SIM	PAHs (GC/MS SIM)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6020	Metals (ICP/MS)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture - 2540	Percent Moisture	SM	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-1
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-234684-1	StretfordEPSW01_N_1.5	Solid	06/13/25 11:51	06/13/25 17:09
570-234684-2	StretfordEPSW01_NE_1.0	Solid	06/13/25 14:04	06/13/25 17:09
570-234684-3	StretfordEPSW01_SW_1.5	Solid	06/13/25 14:27	06/13/25 17:09
570-234684-4	StretfordEPSW01_SE_1.5	Solid	06/13/25 15:07	06/13/25 17:09
570-234684-5	StretfordEPSW01_S_1.5	Solid	06/13/25 15:11	06/13/25 17:09

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2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

DATE: 6/13/2025
PAGE: 1 OF 1

LABORATORY CLIENT: Langan
ADDRESS: 18575 Jamboree Road, Suite 150
CITY: Irvine STATE: CA ZIP: 92612
TEL: 949-561-9200 E-MAIL: tknight@langan.com

CLIENT PROJECT NAME / NO.: 700152701
P.O. NO.:
PROJECT CONTACT: Travis Knight
ECI PROJECT #: ECI PROJECT #57022480
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Nima Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6010B/7471A CA Title 22 Metals	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8620B naphthalene	8270SIM naphthalene, 1-methyl naphthalene, 2-methyl naphthalene
1	StretfordEPSW01_N_1.5	Stretford Unit Area	6/13/25	1151	Soil	6	1	5		X	X					
2	StretfordEPSW01_NE_1.0			1404												
3	StretfordEPSW01_SW_1.5			1427												
4	StretfordEPSW01_SE_1.5			1507												
5	StretfordEPSW01_S_1.5			1511												

570-234684 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/13/25	Time: 1209
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

MHBM

2014-07-01 Revision

~~10.2/11.3~~ IT SA
10.3/10.8 Soil

7/1/2025

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-234684-1

Login Number: 234684
List Number: 1
Creator: Ablian, Samantha

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 7/11/2025 10:34:43 AM

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-234684-2

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

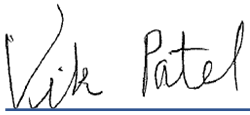
my EOL

Job Notes

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Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-234684-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/13/2025 5:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.8°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPSW01_NE_1.0 — Lab Sample ID: 570-234684-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	9.77		0.200	0.0478	mg/L	1		6010B	STLC Citrate

Client Sample ID: StretfordEPSW01_SW_1.5 — Lab Sample ID: 570-234684-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	15.4		0.200	0.0478	mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2
Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	9.77		0.200	0.0478	mg/L		07/07/25 10:40	07/07/25 18:04	1

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3
Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	15.4		0.200	0.0478	mg/L		07/07/25 10:40	07/07/25 18:07	1

Method: 6010B - Metals (ICP)

Lab Sample ID: LB 570-592244/1-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.200	0.0478	mg/L		07/07/25 10:40	07/07/25 13:48	1

Lab Sample ID: LCS 570-592244/2-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vanadium			20.0	19.50		mg/L		97	80 - 120		

Lab Sample ID: LCSD 570-592244/3-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Lab Control Sample Dup
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium			20.0	19.38		mg/L		97	80 - 120	1	20

QC Association Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Metals

Leach Batch: 592244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-2	StretfordEPSW01_NE_1.0	STLC Citrate	Solid	CA WET Citrate	
570-234684-3	StretfordEPSW01_SW_1.5	STLC Citrate	Solid	CA WET Citrate	
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 593702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-2	StretfordEPSW01_NE_1.0	STLC Citrate	Solid	Dilution	592244
570-234684-3	StretfordEPSW01_SW_1.5	STLC Citrate	Solid	Dilution	592244
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	Dilution	592244
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	Dilution	592244
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	Dilution	592244

Analysis Batch: 593872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	6010B	593702
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	6010B	593702
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	6010B	593702

Analysis Batch: 593958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234684-2	StretfordEPSW01_NE_1.0	STLC Citrate	Solid	6010B	593702
570-234684-3	StretfordEPSW01_SW_1.5	STLC Citrate	Solid	6010B	593702

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPSW01_NE_1.0
Lab Sample ID: 570-234684-2

Date Collected: 06/13/25 14:04
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.06 g	500 mL	592244	07/03/25 10:00	D2TZ	EET CAL 4
STLC Citrate	Prep	Dilution			0.5 mL	10 mL	593702	07/07/25 10:40	VZ0K	EET CAL 4
STLC Citrate	Analysis	6010B		1			593958	07/07/25 18:04	P1R	EET CAL 4
	Instrument ID:	ICP10								

Client Sample ID: StretfordEPSW01_SW_1.5
Lab Sample ID: 570-234684-3

Date Collected: 06/13/25 14:27
Matrix: Solid
Date Received: 06/13/25 17:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.02 g	500 mL	592244	07/03/25 10:00	D2TZ	EET CAL 4
STLC Citrate	Prep	Dilution			0.5 mL	10 mL	593702	07/07/25 10:40	VZ0K	EET CAL 4
STLC Citrate	Analysis	6010B		1			593958	07/07/25 18:07	P1R	EET CAL 4
	Instrument ID:	ICP10								

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	EET CAL 4
Dilution	Preparation / Dilution Process	None	EET CAL 4

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234684-2
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-234684-2	StretfordEPSW01_NE_1.0	Solid	06/13/25 14:04	06/13/25 17:09
570-234684-3	StretfordEPSW01_SW_1.5	Solid	06/13/25 14:27	06/13/25 17:09

Vikas Patel

From: Travis Knight <tknight@langan.com>
Sent: Tuesday, July 1, 2025 6:26 PM
To: Vikas Patel; Cory Lavoie
Subject: RE: Eurofins Calscience EDD and report files from 570-234684-1 Soil Sampling / 700152701

Thank you for the report Vik. Can you please STLC for vanadium on samples StretfordEPSW01_NE_1.0 and StretfordEPSW01_SW_1.5?

Travis Knight
Project Engineer

LANGAN

Direct: 213.314.8136
Mobile: 213.952.0100
File Sharing Link
www.langan.com

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234684

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 6/13/2025
PAGE: 1 OF 1

WO NO. / LAB USE ONLY

LABORATORY CLIENT: Langan
ADDRESS: 18575 Jamboree Road, Suite 150
CITY: Irvine STATE: CA ZIP: 92612
TEL: 949-561-9200 E-MAIL: tknight@langan.com

CLIENT PROJECT NAME / NO.: 700152701
P.O. NO.:
PROJECT CONTACT: Travis Knight
ECI PROJECT #: ECI PROJECT #57022480
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Nima Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6010B/7471A CA Title 22 Metals	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8620B naphthalene	8270 SIM naphthalene, 1-methyl naphthalene, 2-methyl naphthalene
1	StretfordEPSW01_N_1.5	Stretford Unit Area	6/13/25	1151	Soil	6	1	5		X	X					
2	StretfordEPSW01_NE_1.0			1404												
3	StretfordEPSW01_SW_1.5			1427												
4	StretfordEPSW01_SE_1.5			1507												
5	StretfordEPSW01_S_1.5			1511												

570-234684 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/13/25	Time: 1209
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

MHBM

2014-07-01 Revision

~~10.2/11.3~~ IT SA
10.3/10.8 SCM, [illegible]

7/11/2025

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-234684-2

Login Number: 234684
List Number: 1
Creator: Ablian, Samantha

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 7/11/2025 1:14:54 PM Revision 1

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-234934-2

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

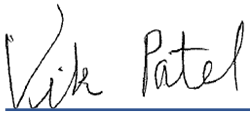
Eurofins Calscience

Job Notes

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Authorization



Generated
7/11/2025 1:14:54 PM
Revision 1

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-234934-2

REVISION

The report being provided is a revision of the original report sent on 7/11/2025. The report (revision 1) is being revised due to a change request to report STLC Vanadium result.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/17/2025 6:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	54.5		0.200	0.0478	mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6
Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	54.5		0.200	0.0478	mg/L		07/07/25 10:40	07/07/25 18:09	1

Method: 6010B - Metals (ICP)

Lab Sample ID: LB 570-592244/1-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.200	0.0478	mg/L		07/07/25 10:40	07/07/25 13:48	1

Lab Sample ID: LCS 570-592244/2-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vanadium			20.0	19.50		mg/L		97	80 - 120		

Lab Sample ID: LCSD 570-592244/3-C
Matrix: Solid
Analysis Batch: 593872

Client Sample ID: Lab Control Sample Dup
Prep Type: STLC Citrate
Prep Batch: 593702

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium			20.0	19.38		mg/L		97	80 - 120	1	20

QC Association Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Metals

Leach Batch: 592244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-6	StretfordEPB01_2.0	STLC Citrate	Solid	CA WET Citrate	
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 593702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-6	StretfordEPB01_2.0	STLC Citrate	Solid	Dilution	592244
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	Dilution	592244
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	Dilution	592244
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	Dilution	592244

Analysis Batch: 593872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 570-592244/1-C	Method Blank	STLC Citrate	Solid	6010B	593702
LCS 570-592244/2-C	Lab Control Sample	STLC Citrate	Solid	6010B	593702
LCSD 570-592244/3-C	Lab Control Sample Dup	STLC Citrate	Solid	6010B	593702

Analysis Batch: 593958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-6	StretfordEPB01_2.0	STLC Citrate	Solid	6010B	593702

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6

Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.03 g	500 mL	592244	07/03/25 10:00	D2TZ	EET CAL 4
STLC Citrate	Prep	Dilution			0.5 mL	10 mL	593702	07/07/25 10:40	VZ0K	EET CAL 4
STLC Citrate	Analysis	6010B		1			593958	07/07/25 18:09	P1R	EET CAL 4
	Instrument ID:	ICP10								

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	EET CAL 4
Dilution	Preparation / Dilution Process	None	EET CAL 4

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-2
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-234934-6	StretfordEPB01_2.0	Solid	06/16/25 14:48	06/17/25 18:07

Vikas Patel

From: Travis Knight <tknight@langan.com>
Sent: Wednesday, July 2, 2025 11:42 AM
To: Vikas Patel; Cory Lavoie
Subject: RE: Eurofins Calscience report and EDD files from 570-234934-1 Soil Sampling / 700152701

Vik,

Thank you for the report. Can you please run STLC for vanadium on sample StretfordEPB01_2.0?

Travis Knight
Project Engineer

LANGAN

Direct: 213.314.8136
Mobile: 213.952.0100
File Sharing Link
www.langan.com

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-234934 Chain of Custody

Loc: 570
234934

CHAIN-OF-CUSTODY RECORD

DATE: 6/16/2025
PAGE: 1 OF 2

LABORATORY CLIENT: Langan	CLIENT PROJECT NAME / NO.: 700152701
ADDRESS: 18575 Jamboree Road, Suite 150	P.O. NO.:
CITY: Irvine STATE: CA ZIP: 92612	PROJECT CONTACT: Travis Knight
TEL: 949-561-9200 E-MAIL: tknight@langan.com	ECI PROJECT #: ECI PROJECT #57022480
GLOBAL ID:	LOG CODE:
	SAMPLER(S): (PRINT): Nima Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6020/7471A CA Title 22 Metals (STLC 10x TTLC)	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8260B naphthalene	8270 Sim naphthalene, 1-methylnaphthalene, 2-methylnaphthalene
1	SB143EPSW01_NE_1.5	SB143	6/16/25	1140	soil	6	1	5		X	X				X	X
2	SB143EPSW01_SE_1.5	↓		1145	↓	↓	↓	↓		↓	↓				↓	↓
3	SB143EPSW01_SW_1.5			1157												
4	SB143EPSW01_NW_1.5			1206												
5	SB143EPB01_2.0	↓		1211												
6	StretfordEPB01_2.0	Stretford		1448												
7	StretfordEPB02_2.0	Unit Area		1453												
8	StretfordEPB03_2.0	↓		1501												
9	StretfordEPB04_2.0			1506												
10	StretfordEPB05_2.0	↓	↓	1516	↓	↓	↓	↓		↓	↓				↓	↓

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/16/25	Time: 18:07
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.4/2.9 Soil

2014-07-01 Revision

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 6/16/25
PAGE: 2 OF 2

WO NO. / LAB USE ONLY

LABORATORY CLIENT: Langan
ADDRESS: 18575 Jamboree Road, Suite 150
CITY: Irvine STATE: CA ZIP: 92612
TEL: 949-561-9200 E-MAIL: tknight@langan.com

CLIENT PROJECT NAME / NO.: 700152701
PROJECT CONTACT: Travis Knight
GLOBAL ID:
LOG CODE:
P.O. NO.:
ECI PROJECT #: ECI PROJECT #57022480
SAMPLER(S): (PRINT): Nilma Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6020/7471A CA Title 22 Metals (6010B)	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8260B naphthalene	8270D naphthalene, 1-methylnaphthalene SIM												
11	StretfordEPB06_2.0	Stretford	6/16/25	1521	soil	6	1	5		X	X				X	X												
12	StretfordEPB07_2.0	Unit Area	↓	1527	↓	↓	↓	↓		X	X				X	X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/16/25	Time: 1807
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-234934-2

Login Number: 234934
List Number: 1
Creator: Skinner, Alma D

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

Generated 7/2/2025 10:22:14 AM

JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-234934-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

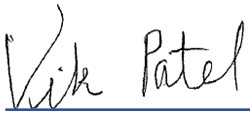
Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Generated
7/2/2025 10:22:14 AM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-234934-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/17/2025 6:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-588155. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-588473. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The following sample was diluted due to the nature of the sample matrix (Sulfur): StretfordEPB03_2.0 (570-234934-8). Elevated reporting limits (RLs) are provided.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-589019. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270C_SIM_PAH: The following samples were diluted due to the nature of the sample matrix: SB143EPSW01_NE_1.5 (570-234934-1), (570-234934-F-1-G MS) and (570-234934-F-1-H MSD). Elevated reporting limits (RLs) are provided.

Method 8270C_SIM_PAH: Surrogate recovery for the following sample was outside control limits: StretfordEPB01_2.0 (570-234934-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270C_SIM_PAH: The following samples were diluted due to the nature of the sample matrix: SB143EPSW01_SE_1.5 (570-234934-2), SB143EPSW01_SW_1.5 (570-234934-3), SB143EPSW01_NW_1.9 (570-234934-4) and SB143EPB01_2.0 (570-234934-5). Elevated reporting limits (RLs) are provided.

Method 8270C_SIM_PAH: Surrogate recovery for the following sample was outside control limits: StretfordEPB01_2.0 (570-234934-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270C_SIM_PAH: The following sample was diluted due to the nature of the sample matrix: StretfordEPB01_2.0 (570-234934-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
Method 8015B_GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-587646. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B_GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-587884. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B_GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-588569. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015B_DRO: The matrix spike (MS) recoveries for preparation batch 570-589458 and analytical batch 570-590563 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020: The continuing calibration verification (CCV) associated with batch 570-588142 recovered above the upper control limit for Thallium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6020: The method blank for preparation batch 570-587142 and analytical batch 570-588142 contained Barium reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: SB143EPSW01_NE_1.5
Lab Sample ID: 570-234934-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.096		0.093	0.041	mg/Kg	1	☼	8015B	Total/NA
C13-C22	480		53	49	mg/Kg	10	☼	8015B	Total/NA
C23-C40	2400		270	49	mg/Kg	10	☼	8015B	Total/NA
Antimony	0.440	J	0.607	0.245	mg/Kg	5	☼	6020	Total/NA
Arsenic	5.17		0.607	0.0956	mg/Kg	5	☼	6020	Total/NA
Barium	124	B	0.607	0.335	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.533	J	0.607	0.484	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.173	J	0.607	0.0873	mg/Kg	5	☼	6020	Total/NA
Chromium	16.4		0.607	0.462	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.54		0.607	0.0621	mg/Kg	5	☼	6020	Total/NA
Copper	16.1		0.607	0.112	mg/Kg	5	☼	6020	Total/NA
Lead	9.66		0.607	0.335	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.940		0.607	0.298	mg/Kg	5	☼	6020	Total/NA
Nickel	15.7		0.607	0.412	mg/Kg	5	☼	6020	Total/NA
Selenium	0.860		0.607	0.462	mg/Kg	5	☼	6020	Total/NA
Vanadium	28.3		0.607	0.227	mg/Kg	5	☼	6020	Total/NA
Zinc	73.6		6.07	3.66	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0348	J	0.0926	0.0255	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB143EPSW01_SE_1.5
Lab Sample ID: 570-234934-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.063	J	0.21	0.057	mg/Kg	10	☼	8270C SIM	Total/NA
2-Methylnaphthalene	0.077	J	0.21	0.055	mg/Kg	10	☼	8270C SIM	Total/NA
C13-C22	330		54	50	mg/Kg	10	☼	8015B	Total/NA
C23-C40	2400		270	50	mg/Kg	10	☼	8015B	Total/NA
Antimony	0.321	J	0.551	0.222	mg/Kg	5	☼	6020	Total/NA
Arsenic	7.64		0.551	0.0868	mg/Kg	5	☼	6020	Total/NA
Barium	116	B	0.551	0.304	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.439	J	0.551	0.439	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.227	J	0.551	0.0793	mg/Kg	5	☼	6020	Total/NA
Chromium	17.3		0.551	0.420	mg/Kg	5	☼	6020	Total/NA
Cobalt	7.71		0.551	0.0564	mg/Kg	5	☼	6020	Total/NA
Copper	18.2		0.551	0.102	mg/Kg	5	☼	6020	Total/NA
Lead	17.4		0.551	0.304	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.947		0.551	0.271	mg/Kg	5	☼	6020	Total/NA
Nickel	17.0		0.551	0.374	mg/Kg	5	☼	6020	Total/NA
Selenium	1.22		0.551	0.419	mg/Kg	5	☼	6020	Total/NA
Vanadium	32.9		0.551	0.207	mg/Kg	5	☼	6020	Total/NA
Zinc	59.7		5.51	3.32	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0688	J	0.0876	0.0242	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB143EPSW01_SW_1.5
Lab Sample ID: 570-234934-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C22	98		55	51	mg/Kg	10	☼	8015B	Total/NA
C23-C40	930		280	51	mg/Kg	10	☼	8015B	Total/NA
Antimony	0.345	J	0.608	0.245	mg/Kg	5	☼	6020	Total/NA
Arsenic	7.97		0.608	0.0958	mg/Kg	5	☼	6020	Total/NA
Barium	151	B	0.608	0.336	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.286	J	0.608	0.0875	mg/Kg	5	☼	6020	Total/NA
Chromium	18.5		0.608	0.463	mg/Kg	5	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: SB143EPSW01_SW_1.5 (Continued)
Lab Sample ID: 570-234934-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	7.85		0.608	0.0622	mg/Kg	5	☼	6020	Total/NA
Copper	24.8		0.608	0.113	mg/Kg	5	☼	6020	Total/NA
Lead	17.5		0.608	0.336	mg/Kg	5	☼	6020	Total/NA
Molybdenum	1.13		0.608	0.299	mg/Kg	5	☼	6020	Total/NA
Nickel	17.8		0.608	0.413	mg/Kg	5	☼	6020	Total/NA
Selenium	1.09		0.608	0.462	mg/Kg	5	☼	6020	Total/NA
Vanadium	33.9		0.608	0.228	mg/Kg	5	☼	6020	Total/NA
Zinc	86.6		6.08	3.67	mg/Kg	5	☼	6020	Total/NA
Mercury	0.308		0.0892	0.0246	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB143EPSW01_NW_1.9
Lab Sample ID: 570-234934-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C22	800		52	48	mg/Kg	10	☼	8015B	Total/NA
C23-C40	3100		260	48	mg/Kg	10	☼	8015B	Total/NA
Antimony	0.298	J	0.452	0.182	mg/Kg	5	☼	6020	Total/NA
Arsenic	8.98		0.452	0.0712	mg/Kg	5	☼	6020	Total/NA
Barium	99.5	B	0.452	0.250	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.381	J	0.452	0.360	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.445	J	0.452	0.0651	mg/Kg	5	☼	6020	Total/NA
Chromium	16.5		0.452	0.344	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.65		0.452	0.0463	mg/Kg	5	☼	6020	Total/NA
Copper	19.2		0.452	0.0838	mg/Kg	5	☼	6020	Total/NA
Lead	12.0		0.452	0.250	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.561		0.452	0.222	mg/Kg	5	☼	6020	Total/NA
Nickel	14.2		0.452	0.307	mg/Kg	5	☼	6020	Total/NA
Selenium	0.956		0.452	0.344	mg/Kg	5	☼	6020	Total/NA
Vanadium	30.4		0.452	0.169	mg/Kg	5	☼	6020	Total/NA
Zinc	453		4.52	2.73	mg/Kg	5	☼	6020	Total/NA
Mercury	0.153		0.0839	0.0232	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: SB143EPB01_2.0
Lab Sample ID: 570-234934-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.043	J	0.089	0.039	mg/Kg	1	☼	8015B	Total/NA
C13-C22	240		55	50	mg/Kg	10	☼	8015B	Total/NA
C23-C40	1500		270	50	mg/Kg	10	☼	8015B	Total/NA
Antimony	0.322	J	0.586	0.237	mg/Kg	5	☼	6020	Total/NA
Arsenic	5.37		0.586	0.0924	mg/Kg	5	☼	6020	Total/NA
Barium	234	B	0.586	0.324	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.485	J	0.586	0.468	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.416	J	0.586	0.0845	mg/Kg	5	☼	6020	Total/NA
Chromium	16.6		0.586	0.447	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.73		0.586	0.0601	mg/Kg	5	☼	6020	Total/NA
Copper	37.1		0.586	0.109	mg/Kg	5	☼	6020	Total/NA
Lead	17.9		0.586	0.324	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.925		0.586	0.289	mg/Kg	5	☼	6020	Total/NA
Nickel	16.2		0.586	0.398	mg/Kg	5	☼	6020	Total/NA
Selenium	0.764		0.586	0.446	mg/Kg	5	☼	6020	Total/NA
Vanadium	33.0		0.586	0.220	mg/Kg	5	☼	6020	Total/NA
Zinc	129		5.86	3.54	mg/Kg	5	☼	6020	Total/NA
Mercury	0.274		0.0954	0.0263	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPB01_2.0 — Lab Sample ID: 570-234934-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	5.3		0.50	0.19	mg/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene - DL	33		0.23	0.062	mg/Kg	10	☼	8270C SIM	Total/NA
2-Methylnaphthalene - DL	49		0.23	0.059	mg/Kg	10	☼	8270C SIM	Total/NA
Naphthalene - DL	8.9		0.23	0.21	mg/Kg	10	☼	8270C SIM	Total/NA
Gasoline Range Organics (C4-C12)	3.4		0.11	0.050	mg/Kg	1	☼	8015B	Total/NA
C13-C22 - DL	6300		29	27	mg/Kg	5	☼	8015B	Total/NA
C23-C40 - DL	490		150	27	mg/Kg	5	☼	8015B	Total/NA
Arsenic	1.26		0.507	0.0799	mg/Kg	5	☼	6020	Total/NA
Barium	103	B	0.507	0.280	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.576		0.507	0.405	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.175	J	0.507	0.0730	mg/Kg	5	☼	6020	Total/NA
Chromium	21.6		0.507	0.387	mg/Kg	5	☼	6020	Total/NA
Cobalt	8.59		0.507	0.0519	mg/Kg	5	☼	6020	Total/NA
Copper	12.1		0.507	0.0940	mg/Kg	5	☼	6020	Total/NA
Lead	5.54		0.507	0.280	mg/Kg	5	☼	6020	Total/NA
Molybdenum	1.98		0.507	0.250	mg/Kg	5	☼	6020	Total/NA
Nickel	16.0		0.507	0.344	mg/Kg	5	☼	6020	Total/NA
Selenium	1.47		0.507	0.386	mg/Kg	5	☼	6020	Total/NA
Thallium	0.194	J	0.507	0.161	mg/Kg	5	☼	6020	Total/NA
Vanadium	977		0.507	0.190	mg/Kg	5	☼	6020	Total/NA
Zinc	49.7		5.07	3.06	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0553	J	0.0926	0.0256	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: StretfordEPB02_2.0 — Lab Sample ID: 570-234934-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C13-C22	6.2		5.2	4.7	mg/Kg	1	☼	8015B	Total/NA
C23-C40	28		26	4.7	mg/Kg	1	☼	8015B	Total/NA
Arsenic	1.82		0.577	0.0910	mg/Kg	5	☼	6020	Total/NA
Barium	24.0	B	0.577	0.319	mg/Kg	5	☼	6020	Total/NA
Chromium	8.65		0.577	0.440	mg/Kg	5	☼	6020	Total/NA
Cobalt	2.72		0.577	0.0591	mg/Kg	5	☼	6020	Total/NA
Copper	3.79		0.577	0.107	mg/Kg	5	☼	6020	Total/NA
Lead	2.46		0.577	0.319	mg/Kg	5	☼	6020	Total/NA
Nickel	3.43		0.577	0.392	mg/Kg	5	☼	6020	Total/NA
Selenium	0.622		0.577	0.439	mg/Kg	5	☼	6020	Total/NA
Vanadium	23.6		0.577	0.217	mg/Kg	5	☼	6020	Total/NA
Zinc	23.4		5.77	3.49	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPB03_2.0 — Lab Sample ID: 570-234934-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.14		0.022	0.0060	mg/Kg	1	☼	8270C SIM	Total/NA
2-Methylnaphthalene	0.19		0.022	0.0058	mg/Kg	1	☼	8270C SIM	Total/NA
Naphthalene	0.031		0.022	0.020	mg/Kg	1	☼	8270C SIM	Total/NA
Gasoline Range Organics (C4-C12)	0.19		0.071	0.031	mg/Kg	1	☼	8015B	Total/NA
C13-C22	190		5.7	5.2	mg/Kg	1	☼	8015B	Total/NA
C23-C40	300		29	5.2	mg/Kg	1	☼	8015B	Total/NA
Arsenic	1.31		0.557	0.0878	mg/Kg	5	☼	6020	Total/NA
Barium	63.1	B	0.557	0.308	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.176	J	0.557	0.0802	mg/Kg	5	☼	6020	Total/NA
Chromium	15.6		0.557	0.425	mg/Kg	5	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: StretfordEPB03_2.0 (Continued) — Lab Sample ID: 570-234934-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	6.80		0.557	0.0570	mg/Kg	5	☼	6020	Total/NA
Copper	15.8		0.557	0.103	mg/Kg	5	☼	6020	Total/NA
Lead	5.14		0.557	0.308	mg/Kg	5	☼	6020	Total/NA
Molybdenum	1.02		0.557	0.274	mg/Kg	5	☼	6020	Total/NA
Nickel	10.4		0.557	0.378	mg/Kg	5	☼	6020	Total/NA
Selenium	0.839		0.557	0.424	mg/Kg	5	☼	6020	Total/NA
Vanadium	154		0.557	0.209	mg/Kg	5	☼	6020	Total/NA
Zinc	43.6		5.57	3.36	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0852	J	0.101	0.0279	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: StretfordEPB04_2.0 — Lab Sample ID: 570-234934-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.037	J	0.084	0.037	mg/Kg	1	☼	8015B	Total/NA
C13-C22	13		5.4	4.9	mg/Kg	1	☼	8015B	Total/NA
C23-C40	20	J	27	4.9	mg/Kg	1	☼	8015B	Total/NA
Arsenic	2.07		0.543	0.0856	mg/Kg	5	☼	6020	Total/NA
Barium	22.6	B	0.543	0.300	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.258	J	0.543	0.0782	mg/Kg	5	☼	6020	Total/NA
Chromium	9.94		0.543	0.414	mg/Kg	5	☼	6020	Total/NA
Cobalt	3.16		0.543	0.0556	mg/Kg	5	☼	6020	Total/NA
Copper	18.4		0.543	0.101	mg/Kg	5	☼	6020	Total/NA
Lead	3.26		0.543	0.300	mg/Kg	5	☼	6020	Total/NA
Nickel	8.62		0.543	0.369	mg/Kg	5	☼	6020	Total/NA
Selenium	0.713		0.543	0.413	mg/Kg	5	☼	6020	Total/NA
Vanadium	175		0.543	0.204	mg/Kg	5	☼	6020	Total/NA
Zinc	59.2		5.43	3.28	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPB05_2.0 — Lab Sample ID: 570-234934-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	35		28	5.1	mg/Kg	1	☼	8015B	Total/NA
Antimony	0.291	J	0.509	0.205	mg/Kg	5	☼	6020	Total/NA
Arsenic	3.13		0.509	0.0803	mg/Kg	5	☼	6020	Total/NA
Barium	61.1	B	0.509	0.281	mg/Kg	5	☼	6020	Total/NA
Beryllium	0.406	J	0.509	0.406	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.0892	J	0.509	0.0733	mg/Kg	5	☼	6020	Total/NA
Chromium	17.5		0.509	0.388	mg/Kg	5	☼	6020	Total/NA
Cobalt	6.44		0.509	0.0522	mg/Kg	5	☼	6020	Total/NA
Copper	16.1		0.509	0.0944	mg/Kg	5	☼	6020	Total/NA
Lead	9.02		0.509	0.281	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.596		0.509	0.251	mg/Kg	5	☼	6020	Total/NA
Nickel	10.6		0.509	0.346	mg/Kg	5	☼	6020	Total/NA
Selenium	1.19		0.509	0.388	mg/Kg	5	☼	6020	Total/NA
Thallium	0.169	J	0.509	0.162	mg/Kg	5	☼	6020	Total/NA
Vanadium	35.6		0.509	0.191	mg/Kg	5	☼	6020	Total/NA
Zinc	43.4		5.09	3.07	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPB06_2.0 — Lab Sample ID: 570-234934-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	0.058	J	0.093	0.041	mg/Kg	1	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: StretfordEPB06_2.0 (Continued)
Lab Sample ID: 570-234934-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.80		0.549	0.0865	mg/Kg	5	☼	6020	Total/NA
Barium	55.4		0.549	0.303	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.118	J	0.549	0.0790	mg/Kg	5	☼	6020	Total/NA
Chromium	16.3		0.549	0.418	mg/Kg	5	☼	6020	Total/NA
Cobalt	7.88		0.549	0.0562	mg/Kg	5	☼	6020	Total/NA
Copper	12.8		0.549	0.102	mg/Kg	5	☼	6020	Total/NA
Lead	6.26		0.549	0.303	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.514	J	0.549	0.270	mg/Kg	5	☼	6020	Total/NA
Nickel	10.8		0.549	0.373	mg/Kg	5	☼	6020	Total/NA
Selenium	1.09		0.549	0.418	mg/Kg	5	☼	6020	Total/NA
Vanadium	32.7		0.549	0.206	mg/Kg	5	☼	6020	Total/NA
Zinc	33.9		5.49	3.31	mg/Kg	5	☼	6020	Total/NA

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0083	J	0.022	0.0055	mg/Kg	1	☼	8270C SIM	Total/NA
Gasoline Range Organics (C4-C12)	0.087	J	0.089	0.039	mg/Kg	1	☼	8015B	Total/NA
C13-C22 - DL	380		140	120	mg/Kg	25	☼	8015B	Total/NA
C23-C40 - DL	7800		680	120	mg/Kg	25	☼	8015B	Total/NA
Arsenic	4.44		0.531	0.0837	mg/Kg	5	☼	6020	Total/NA
Barium	134		0.531	0.293	mg/Kg	5	☼	6020	Total/NA
Cadmium	0.226	J	0.531	0.0764	mg/Kg	5	☼	6020	Total/NA
Chromium	17.2		0.531	0.404	mg/Kg	5	☼	6020	Total/NA
Cobalt	8.05		0.531	0.0544	mg/Kg	5	☼	6020	Total/NA
Copper	45.4		0.531	0.0984	mg/Kg	5	☼	6020	Total/NA
Lead	6.08		0.531	0.293	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.719		0.531	0.261	mg/Kg	5	☼	6020	Total/NA
Nickel	12.4		0.531	0.360	mg/Kg	5	☼	6020	Total/NA
Selenium	1.15		0.531	0.404	mg/Kg	5	☼	6020	Total/NA
Vanadium	153		0.531	0.199	mg/Kg	5	☼	6020	Total/NA
Zinc	65.9		5.31	3.20	mg/Kg	5	☼	6020	Total/NA
Mercury	0.0461	J	0.0893	0.0246	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	0.0039	mg/Kg	☼	06/17/25 16:37	06/24/25 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/17/25 16:37*	*06/24/25 11:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:09*	*1*
Dibromofluoromethane (Surr)	*103*		*58 - 147*	*06/17/25 16:37*	*06/24/25 11:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:09*	*1*

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0082	0.0032	mg/Kg	☼	06/17/25 16:37	06/24/25 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*32 - 179*	*06/17/25 16:37*	*06/24/25 11:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:32*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*06/17/25 16:37*	*06/24/25 11:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:32*	*1*

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0077	0.0030	mg/Kg	☼	06/17/25 16:37	06/24/25 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*32 - 179*	*06/17/25 16:37*	*06/24/25 11:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:55*	*1*
Dibromofluoromethane (Surr)	*106*		*58 - 147*	*06/17/25 16:37*	*06/24/25 11:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/17/25 16:37*	*06/24/25 11:55*	*1*

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0094	0.0037	mg/Kg	☼	06/17/25 16:37	06/24/25 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*32 - 179*	*06/17/25 16:37*	*06/24/25 12:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*06/17/25 16:37*	*06/24/25 12:18*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*06/17/25 16:37*	*06/24/25 12:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/17/25 16:37*	*06/24/25 12:18*	*1*

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0085	0.0033	mg/Kg	☼	06/17/25 16:37	06/24/25 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/17/25 16:37*	*06/24/25 12:41*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120	06/17/25 16:37	06/24/25 12:41	1
Dibromofluoromethane (Surr)	103		58 - 147	06/17/25 16:37	06/24/25 12:41	1
Toluene-d8 (Surr)	99		80 - 120	06/17/25 16:37	06/24/25 12:41	1

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	5.3		0.50	0.19	mg/Kg	☼	06/17/25 16:37	06/24/25 18:02	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		32 - 179	06/17/25 16:37	06/24/25 18:02	50
4-Bromofluorobenzene (Surr)	96		80 - 120	06/17/25 16:37	06/24/25 18:02	50
Dibromofluoromethane (Surr)	91		58 - 147	06/17/25 16:37	06/24/25 18:02	50
Toluene-d8 (Surr)	98		80 - 120	06/17/25 16:37	06/24/25 18:02	50

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0095	0.0037	mg/Kg	☼	06/17/25 16:37	06/24/25 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		32 - 179	06/17/25 16:37	06/24/25 13:04	1
4-Bromofluorobenzene (Surr)	100		80 - 120	06/17/25 16:37	06/24/25 13:04	1
Dibromofluoromethane (Surr)	103		58 - 147	06/17/25 16:37	06/24/25 13:04	1
Toluene-d8 (Surr)	99		80 - 120	06/17/25 16:37	06/24/25 13:04	1

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.42	0.17	mg/Kg	☼	06/17/25 16:37	06/25/25 11:40	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		32 - 179	06/17/25 16:37	06/25/25 11:40	50
4-Bromofluorobenzene (Surr)	100		80 - 120	06/17/25 16:37	06/25/25 11:40	50
Dibromofluoromethane (Surr)	100		58 - 147	06/17/25 16:37	06/25/25 11:40	50
Toluene-d8 (Surr)	101		80 - 120	06/17/25 16:37	06/25/25 11:40	50

Client Sample ID: StretfordEPB04_2.0
Date Collected: 06/16/25 15:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0089	0.0035	mg/Kg	☼	06/17/25 16:37	06/24/25 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		32 - 179	06/17/25 16:37	06/24/25 13:27	1
4-Bromofluorobenzene (Surr)	100		80 - 120	06/17/25 16:37	06/24/25 13:27	1
Dibromofluoromethane (Surr)	103		58 - 147	06/17/25 16:37	06/24/25 13:27	1
Toluene-d8 (Surr)	99		80 - 120	06/17/25 16:37	06/24/25 13:27	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: StretfordEPB05_2.0
Lab Sample ID: 570-234934-10
Date Collected: 06/16/25 15:16
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0092	0.0036	mg/Kg	☼	06/17/25 16:37	06/24/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/17/25 16:37*	*06/24/25 13:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*06/17/25 16:37*	*06/24/25 13:50*	*1*
Dibromofluoromethane (Surr)	*107*		*58 - 147*	*06/17/25 16:37*	*06/24/25 13:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/17/25 16:37*	*06/24/25 13:50*	*1*

Client Sample ID: StretfordEPB06_2.0
Lab Sample ID: 570-234934-11
Date Collected: 06/16/25 15:21
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011	0.0044	mg/Kg	☼	06/17/25 16:37	06/24/25 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*32 - 179*	*06/17/25 16:37*	*06/24/25 02:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*06/17/25 16:37*	*06/24/25 02:43*	*1*
Dibromofluoromethane (Surr)	*104*		*58 - 147*	*06/17/25 16:37*	*06/24/25 02:43*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/17/25 16:37*	*06/24/25 02:43*	*1*

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12
Date Collected: 06/16/25 15:27
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0091	0.0036	mg/Kg	☼	06/17/25 16:37	06/24/25 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*32 - 179*	*06/17/25 16:37*	*06/24/25 03:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*06/17/25 16:37*	*06/24/25 03:06*	*1*
Dibromofluoromethane (Surr)	*104*		*58 - 147*	*06/17/25 16:37*	*06/24/25 03:06*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*06/17/25 16:37*	*06/24/25 03:06*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: SB143EPSW01_NE_1.5
Lab Sample ID: 570-234934-1
Date Collected: 06/16/25 11:40
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.10	0.028	mg/Kg	☼	06/19/25 12:22	06/24/25 16:32	5
2-Methylnaphthalene	ND		0.10	0.027	mg/Kg	☼	06/19/25 12:22	06/24/25 16:32	5
Naphthalene	ND		0.10	0.095	mg/Kg	☼	06/19/25 12:22	06/24/25 16:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*22 - 130*	*06/19/25 12:22*	*06/24/25 16:32*	*5*
Nitrobenzene-d5 (Surr)	*84*		*20 - 145*	*06/19/25 12:22*	*06/24/25 16:32*	*5*
p-Terphenyl-d14 (Surr)	*91*		*33 - 147*	*06/19/25 12:22*	*06/24/25 16:32*	*5*

Client Sample ID: SB143EPSW01_SE_1.5
Lab Sample ID: 570-234934-2
Date Collected: 06/16/25 11:45
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.063**	**J**	0.21	0.057	mg/Kg	☼	06/19/25 12:22	06/25/25 14:30	10
2-Methylnaphthalene	**0.077**	**J**	0.21	0.055	mg/Kg	☼	06/19/25 12:22	06/25/25 14:30	10
Naphthalene	ND		0.21	0.19	mg/Kg	☼	06/19/25 12:22	06/25/25 14:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*22 - 130*	*06/19/25 12:22*	*06/25/25 14:30*	*10*
Nitrobenzene-d5 (Surr)	*66*		*20 - 145*	*06/19/25 12:22*	*06/25/25 14:30*	*10*
p-Terphenyl-d14 (Surr)	*88*		*33 - 147*	*06/19/25 12:22*	*06/25/25 14:30*	*10*

Client Sample ID: SB143EPSW01_SW_1.5
Lab Sample ID: 570-234934-3
Date Collected: 06/16/25 11:57
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.22	0.059	mg/Kg	☼	06/19/25 12:22	06/25/25 14:53	10
2-Methylnaphthalene	ND		0.22	0.056	mg/Kg	☼	06/19/25 12:22	06/25/25 14:53	10
Naphthalene	ND		0.22	0.20	mg/Kg	☼	06/19/25 12:22	06/25/25 14:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*22 - 130*	*06/19/25 12:22*	*06/25/25 14:53*	*10*
Nitrobenzene-d5 (Surr)	*68*		*20 - 145*	*06/19/25 12:22*	*06/25/25 14:53*	*10*
p-Terphenyl-d14 (Surr)	*85*		*33 - 147*	*06/19/25 12:22*	*06/25/25 14:53*	*10*

Client Sample ID: SB143EPSW01_NW_1.9
Lab Sample ID: 570-234934-4
Date Collected: 06/16/25 12:06
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.21	0.056	mg/Kg	☼	06/19/25 12:22	06/25/25 15:16	10
2-Methylnaphthalene	ND		0.21	0.053	mg/Kg	☼	06/19/25 12:22	06/25/25 15:16	10
Naphthalene	ND		0.21	0.19	mg/Kg	☼	06/19/25 12:22	06/25/25 15:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*22 - 130*	*06/19/25 12:22*	*06/25/25 15:16*	*10*
Nitrobenzene-d5 (Surr)	*69*		*20 - 145*	*06/19/25 12:22*	*06/25/25 15:16*	*10*
p-Terphenyl-d14 (Surr)	*94*		*33 - 147*	*06/19/25 12:22*	*06/25/25 15:16*	*10*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.22	0.058	mg/Kg	☼	06/19/25 12:22	06/25/25 15:38	10
2-Methylnaphthalene	ND		0.22	0.056	mg/Kg	☼	06/19/25 12:22	06/25/25 15:38	10
Naphthalene	ND		0.22	0.20	mg/Kg	☼	06/19/25 12:22	06/25/25 15:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*22 - 130*	*06/19/25 12:22*	*06/25/25 15:38*	*10*
Nitrobenzene-d5 (Surr)	*68*		*20 - 145*	*06/19/25 12:22*	*06/25/25 15:38*	*10*
p-Terphenyl-d14 (Surr)	*95*		*33 - 147*	*06/19/25 12:22*	*06/25/25 15:38*	*10*

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-6
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*22 - 130*	*06/19/25 12:22*	*06/25/25 16:01*	*1*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*20 - 145*	*06/19/25 12:22*	*06/25/25 16:01*	*1*
p-Terphenyl-d14 (Surr)	*91*		*33 - 147*	*06/19/25 12:22*	*06/25/25 16:01*	*1*

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.021	0.0055	mg/Kg	☼	06/19/25 12:22	06/25/25 16:23	1
2-Methylnaphthalene	ND		0.021	0.0053	mg/Kg	☼	06/19/25 12:22	06/25/25 16:23	1
Naphthalene	ND		0.021	0.019	mg/Kg	☼	06/19/25 12:22	06/25/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*22 - 130*	*06/19/25 12:22*	*06/25/25 16:23*	*1*
Nitrobenzene-d5 (Surr)	*89*		*20 - 145*	*06/19/25 12:22*	*06/25/25 16:23*	*1*
p-Terphenyl-d14 (Surr)	*95*		*33 - 147*	*06/19/25 12:22*	*06/25/25 16:23*	*1*

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.14**		0.022	0.0060	mg/Kg	☼	06/19/25 12:22	06/25/25 16:46	1
2-Methylnaphthalene	**0.19**		0.022	0.0058	mg/Kg	☼	06/19/25 12:22	06/25/25 16:46	1
Naphthalene	**0.031**		0.022	0.020	mg/Kg	☼	06/19/25 12:22	06/25/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*22 - 130*	*06/19/25 12:22*	*06/25/25 16:46*	*1*
Nitrobenzene-d5 (Surr)	*82*		*20 - 145*	*06/19/25 12:22*	*06/25/25 16:46*	*1*
p-Terphenyl-d14 (Surr)	*94*		*33 - 147*	*06/19/25 12:22*	*06/25/25 16:46*	*1*

Client Sample ID: StretfordEPB04_2.0
Date Collected: 06/16/25 15:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.021	0.0057	mg/Kg	☼	06/19/25 12:22	06/25/25 17:09	1
2-Methylnaphthalene	ND		0.021	0.0054	mg/Kg	☼	06/19/25 12:22	06/25/25 17:09	1
Naphthalene	ND		0.021	0.019	mg/Kg	☼	06/19/25 12:22	06/25/25 17:09	1

Method: SW846 8270C SIM - PAHs (GC/MS SIM) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		22 - 130	06/19/25 12:22	06/25/25 17:09	1
Nitrobenzene-d5 (Surr)	92		20 - 145	06/19/25 12:22	06/25/25 17:09	1
p-Terphenyl-d14 (Surr)	99		33 - 147	06/19/25 12:22	06/25/25 17:09	1

Client Sample ID: StretfordEPB05_2.0 — **Lab Sample ID: 570-234934-10**
Date Collected: 06/16/25 15:16 — **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.022	0.0058	mg/Kg	☼	06/19/25 12:22	06/25/25 17:31	1
2-Methylnaphthalene	ND		0.022	0.0056	mg/Kg	☼	06/19/25 12:22	06/25/25 17:31	1
Naphthalene	ND		0.022	0.020	mg/Kg	☼	06/19/25 12:22	06/25/25 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		22 - 130	06/19/25 12:22	06/25/25 17:31	1
Nitrobenzene-d5 (Surr)	88		20 - 145	06/19/25 12:22	06/25/25 17:31	1
p-Terphenyl-d14 (Surr)	96		33 - 147	06/19/25 12:22	06/25/25 17:31	1

Client Sample ID: StretfordEPB06_2.0 — **Lab Sample ID: 570-234934-11**
Date Collected: 06/16/25 15:21 — **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.022	0.0058	mg/Kg	☼	06/19/25 12:22	06/25/25 17:54	1
2-Methylnaphthalene	ND		0.022	0.0055	mg/Kg	☼	06/19/25 12:22	06/25/25 17:54	1
Naphthalene	ND		0.022	0.020	mg/Kg	☼	06/19/25 12:22	06/25/25 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		22 - 130	06/19/25 12:22	06/25/25 17:54	1
Nitrobenzene-d5 (Surr)	84		20 - 145	06/19/25 12:22	06/25/25 17:54	1
p-Terphenyl-d14 (Surr)	92		33 - 147	06/19/25 12:22	06/25/25 17:54	1

Client Sample ID: StretfordEPB07_2.0 — **Lab Sample ID: 570-234934-12**
Date Collected: 06/16/25 15:27 — **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.022	0.0058	mg/Kg	☼	06/19/25 12:22	06/25/25 18:16	1
2-Methylnaphthalene	**0.0083**	**J**	0.022	0.0055	mg/Kg	☼	06/19/25 12:22	06/25/25 18:16	1
Naphthalene	ND		0.022	0.020	mg/Kg	☼	06/19/25 12:22	06/25/25 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		22 - 130	06/19/25 12:22	06/25/25 18:16	1
Nitrobenzene-d5 (Surr)	85		20 - 145	06/19/25 12:22	06/25/25 18:16	1
p-Terphenyl-d14 (Surr)	104		33 - 147	06/19/25 12:22	06/25/25 18:16	1

Method: SW846 8270C SIM - PAHs (GC/MS SIM) - DL

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07

Lab Sample ID: 570-234934-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	33		0.23	0.062	mg/Kg	☼	06/19/25 12:22	06/30/25 12:53	10
2-Methylnaphthalene	49		0.23	0.059	mg/Kg	☼	06/19/25 12:22	06/30/25 12:53	10
Naphthalene	8.9		0.23	0.21	mg/Kg	☼	06/19/25 12:22	06/30/25 12:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*22 - 130*	*06/19/25 12:22*	*06/30/25 12:53*	*10*
Nitrobenzene-d5 (Surr)	*235*	*S1+*	*20 - 145*	*06/19/25 12:22*	*06/30/25 12:53*	*10*
p-Terphenyl-d14 (Surr)	*87*		*33 - 147*	*06/19/25 12:22*	*06/30/25 12:53*	*10*

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.096**		0.093	0.041	mg/Kg	☼	06/17/25 16:37	06/22/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*42 - 126*	*06/17/25 16:37*	*06/22/25 13:32*	*1*

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.082	0.036	mg/Kg	☼	06/17/25 16:37	06/22/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*42 - 126*	*06/17/25 16:37*	*06/22/25 13:54*	*1*

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.077	0.034	mg/Kg	☼	06/17/25 16:37	06/22/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*42 - 126*	*06/17/25 16:37*	*06/22/25 14:17*	*1*

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11	0.048	mg/Kg	☼	06/17/25 16:37	06/22/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*42 - 126*	*06/17/25 16:37*	*06/22/25 14:39*	*1*

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.043**	**J**	0.089	0.039	mg/Kg	☼	06/17/25 16:37	06/22/25 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*42 - 126*	*06/17/25 16:37*	*06/22/25 15:02*	*1*

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**3.4**		0.11	0.050	mg/Kg	☼	06/17/25 16:37	06/22/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*	*06/17/25 16:37*	*06/22/25 15:24*	*1*

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098	0.043	mg/Kg	☼	06/17/25 16:37	06/22/25 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*42 - 126*	*06/17/25 16:37*	*06/22/25 15:46*	*1*

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.19**		0.071	0.031	mg/Kg	☼	06/17/25 16:37	06/24/25 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*	*06/17/25 16:37*	*06/24/25 16:16*	*1*

Client Sample ID: StretfordEPB04_2.0
Date Collected: 06/16/25 15:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.037**	**J**	0.084	0.037	mg/Kg	☼	06/17/25 16:37	06/22/25 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*42 - 126*	*06/17/25 16:37*	*06/22/25 16:31*	*1*

Client Sample ID: StretfordEPB05_2.0
Date Collected: 06/16/25 15:16
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11	0.048	mg/Kg	☼	06/17/25 16:37	06/23/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*42 - 126*	*06/17/25 16:37*	*06/23/25 14:15*	*1*

Client Sample ID: StretfordEPB06_2.0
Date Collected: 06/16/25 15:21
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.058**	**J**	0.093	0.041	mg/Kg	☼	06/17/25 16:37	06/24/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*06/17/25 16:37*	*06/24/25 16:40*	*1*

Client Sample ID: StretfordEPB07_2.0
Date Collected: 06/16/25 15:27
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**0.087**	**J**	0.089	0.039	mg/Kg	☼	06/17/25 16:37	06/23/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*	*06/17/25 16:37*	*06/23/25 15:04*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	480		53	49	mg/Kg	☼	06/25/25 18:14	06/28/25 09:19	10
C23-C40	2400		270	49	mg/Kg	☼	06/25/25 18:14	06/28/25 09:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*151*		*29 - 160*	*06/25/25 18:14*	*06/28/25 09:19*	*10*

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	330		54	50	mg/Kg	☼	06/25/25 18:14	06/28/25 09:41	10
C23-C40	2400		270	50	mg/Kg	☼	06/25/25 18:14	06/28/25 09:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*126*		*29 - 160*	*06/25/25 18:14*	*06/28/25 09:41*	*10*

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	98		55	51	mg/Kg	☼	06/25/25 18:14	06/28/25 10:03	10
C23-C40	930		280	51	mg/Kg	☼	06/25/25 18:14	06/28/25 10:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*119*		*29 - 160*	*06/25/25 18:14*	*06/28/25 10:03*	*10*

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	800		52	48	mg/Kg	☼	06/25/25 18:14	06/28/25 10:24	10
C23-C40	3100		260	48	mg/Kg	☼	06/25/25 18:14	06/28/25 10:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*140*		*29 - 160*	*06/25/25 18:14*	*06/28/25 10:24*	*10*

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	240		55	50	mg/Kg	☼	06/25/25 18:14	06/28/25 10:46	10
C23-C40	1500		270	50	mg/Kg	☼	06/25/25 18:14	06/28/25 10:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*134*		*29 - 160*	*06/25/25 18:14*	*06/28/25 10:46*	*10*

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	6.2		5.2	4.7	mg/Kg	☼	06/25/25 18:14	06/28/25 02:25	1
C23-C40	28		26	4.7	mg/Kg	☼	06/25/25 18:14	06/28/25 02:25	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*111*		*29 - 160*	*06/25/25 18:14*	*06/28/25 02:25*	*1*

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**190**		5.7	5.2	mg/Kg	☼	06/25/25 18:14	06/28/25 02:46	1
C23-C40	**300**		29	5.2	mg/Kg	☼	06/25/25 18:14	06/28/25 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*106*		*29 - 160*	*06/25/25 18:14*	*06/28/25 02:46*	*1*

Client Sample ID: StretfordEPB04_2.0
Date Collected: 06/16/25 15:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**13**		5.4	4.9	mg/Kg	☼	06/25/25 18:14	06/28/25 03:08	1
C23-C40	**20**	**J**	27	4.9	mg/Kg	☼	06/25/25 18:14	06/28/25 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*77*		*29 - 160*	*06/25/25 18:14*	*06/28/25 03:08*	*1*

Client Sample ID: StretfordEPB05_2.0
Date Collected: 06/16/25 15:16
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.5	5.1	mg/Kg	☼	06/25/25 18:14	06/28/25 03:30	1
C23-C40	**35**		28	5.1	mg/Kg	☼	06/25/25 18:14	06/28/25 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*129*		*29 - 160*	*06/25/25 18:14*	*06/28/25 03:30*	*1*

Client Sample ID: StretfordEPB06_2.0
Date Collected: 06/16/25 15:21
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.4	5.0	mg/Kg	☼	06/25/25 18:14	06/28/25 03:52	1
C23-C40	ND		27	5.0	mg/Kg	☼	06/25/25 18:14	06/28/25 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*130*		*29 - 160*	*06/25/25 18:14*	*06/28/25 03:52*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) - DL

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6
Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	6300		29	27	mg/Kg	☼	06/25/25 18:14	06/30/25 02:16	5
C23-C40	490		150	27	mg/Kg	☼	06/25/25 18:14	06/30/25 02:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*29 - 160*	*06/25/25 18:14*	*06/30/25 02:16*	*5*

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12
Date Collected: 06/16/25 15:27
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	380		140	120	mg/Kg	☼	06/25/25 18:14	06/30/25 09:59	25
C23-C40	7800		680	120	mg/Kg	☼	06/25/25 18:14	06/30/25 09:59	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*141*		*29 - 160*	*06/25/25 18:14*	*06/30/25 09:59*	*25*

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.440	J	0.607	0.245	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Arsenic	5.17		0.607	0.0956	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Barium	124	B	0.607	0.335	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Beryllium	0.533	J	0.607	0.484	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Cadmium	0.173	J	0.607	0.0873	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Chromium	16.4		0.607	0.462	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Cobalt	6.54		0.607	0.0621	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Copper	16.1		0.607	0.112	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Lead	9.66		0.607	0.335	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Molybdenum	0.940		0.607	0.298	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Nickel	15.7		0.607	0.412	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Selenium	0.860		0.607	0.462	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Silver	ND		1.21	0.621	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Thallium	ND	^+	0.607	0.193	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Vanadium	28.3		0.607	0.227	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5
Zinc	73.6		6.07	3.66	mg/Kg	☼	06/21/25 00:00	06/23/25 13:31	5

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.321	J	0.551	0.222	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Arsenic	7.64		0.551	0.0868	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Barium	116	B	0.551	0.304	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Beryllium	0.439	J	0.551	0.439	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Cadmium	0.227	J	0.551	0.0793	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Chromium	17.3		0.551	0.420	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Cobalt	7.71		0.551	0.0564	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Copper	18.2		0.551	0.102	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Lead	17.4		0.551	0.304	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Molybdenum	0.947		0.551	0.271	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Nickel	17.0		0.551	0.374	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Selenium	1.22		0.551	0.419	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Silver	ND		1.10	0.564	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Thallium	ND		0.551	0.175	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Vanadium	32.9		0.551	0.207	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5
Zinc	59.7		5.51	3.32	mg/Kg	☼	06/21/25 00:00	06/23/25 18:34	5

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.345	J	0.608	0.245	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Arsenic	7.97		0.608	0.0958	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Barium	151	B	0.608	0.336	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Beryllium	ND		0.608	0.485	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Cadmium	0.286	J	0.608	0.0875	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Chromium	18.5		0.608	0.463	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Cobalt	7.85		0.608	0.0622	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Copper	24.8		0.608	0.113	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5

Method: SW846 6020 - Metals (ICP/MS) (Continued)

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17.5		0.608	0.336	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Molybdenum	1.13		0.608	0.299	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Nickel	17.8		0.608	0.413	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Selenium	1.09		0.608	0.462	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Silver	ND		1.22	0.623	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Thallium	ND	^+	0.608	0.193	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Vanadium	33.9		0.608	0.228	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5
Zinc	86.6		6.08	3.67	mg/Kg	☼	06/21/25 00:00	06/23/25 12:36	5

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.298	J	0.452	0.182	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Arsenic	8.98		0.452	0.0712	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Barium	99.5	B	0.452	0.250	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Beryllium	0.381	J	0.452	0.360	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Cadmium	0.445	J	0.452	0.0651	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Chromium	16.5		0.452	0.344	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Cobalt	6.65		0.452	0.0463	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Copper	19.2		0.452	0.0838	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Lead	12.0		0.452	0.250	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Molybdenum	0.561		0.452	0.222	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Nickel	14.2		0.452	0.307	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Selenium	0.956		0.452	0.344	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Silver	ND		0.904	0.463	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Thallium	ND	^+	0.452	0.144	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Vanadium	30.4		0.452	0.169	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5
Zinc	453		4.52	2.73	mg/Kg	☼	06/21/25 00:00	06/23/25 12:39	5

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.322	J	0.586	0.237	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Arsenic	5.37		0.586	0.0924	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Barium	234	B	0.586	0.324	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Beryllium	0.485	J	0.586	0.468	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Cadmium	0.416	J	0.586	0.0845	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Chromium	16.6		0.586	0.447	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Cobalt	6.73		0.586	0.0601	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Copper	37.1		0.586	0.109	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Lead	17.9		0.586	0.324	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Molybdenum	0.925		0.586	0.289	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Nickel	16.2		0.586	0.398	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Selenium	0.764		0.586	0.446	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Silver	ND		1.17	0.601	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Thallium	ND	^+	0.586	0.186	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Vanadium	33.0		0.586	0.220	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5
Zinc	129		5.86	3.54	mg/Kg	☼	06/21/25 00:00	06/23/25 12:42	5

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6
Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.507	0.205	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Arsenic	**1.26**		0.507	0.0799	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Barium	**103**	**B**	0.507	0.280	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Beryllium	**0.576**		0.507	0.405	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Cadmium	**0.175**	**J**	0.507	0.0730	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Chromium	**21.6**		0.507	0.387	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Cobalt	**8.59**		0.507	0.0519	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Copper	**12.1**		0.507	0.0940	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Lead	**5.54**		0.507	0.280	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Molybdenum	**1.98**		0.507	0.250	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Nickel	**16.0**		0.507	0.344	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Selenium	**1.47**		0.507	0.386	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Silver	ND		1.01	0.520	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Thallium	**0.194**	**J**	0.507	0.161	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Vanadium	**977**		0.507	0.190	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5
Zinc	**49.7**		5.07	3.06	mg/Kg	☼	06/21/25 00:00	06/23/25 18:26	5

Client Sample ID: StretfordEPB02_2.0
Lab Sample ID: 570-234934-7
Date Collected: 06/16/25 14:53
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.577	0.233	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Arsenic	**1.82**		0.577	0.0910	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Barium	**24.0**	**B**	0.577	0.319	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Beryllium	ND		0.577	0.461	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Cadmium	ND		0.577	0.0831	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Chromium	**8.65**		0.577	0.440	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Cobalt	**2.72**		0.577	0.0591	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Copper	**3.79**		0.577	0.107	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Lead	**2.46**		0.577	0.319	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Molybdenum	ND		0.577	0.284	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Nickel	**3.43**		0.577	0.392	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Selenium	**0.622**		0.577	0.439	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Silver	ND		1.15	0.592	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Thallium	ND	^+	0.577	0.184	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Vanadium	**23.6**		0.577	0.217	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5
Zinc	**23.4**		5.77	3.49	mg/Kg	☼	06/21/25 00:00	06/23/25 12:47	5

Client Sample ID: StretfordEPB03_2.0
Lab Sample ID: 570-234934-8
Date Collected: 06/16/25 15:01
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.557	0.225	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Arsenic	**1.31**		0.557	0.0878	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Barium	**63.1**	**B**	0.557	0.308	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Beryllium	ND		0.557	0.444	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Cadmium	**0.176**	**J**	0.557	0.0802	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Chromium	**15.6**		0.557	0.425	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Cobalt	**6.80**		0.557	0.0570	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Copper	**15.8**		0.557	0.103	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5

Method: SW846 6020 - Metals (ICP/MS) (Continued)

Client Sample ID: StretfordEPB03_2.0
Lab Sample ID: 570-234934-8
Date Collected: 06/16/25 15:01
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.14**		0.557	0.308	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Molybdenum	**1.02**		0.557	0.274	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Nickel	**10.4**		0.557	0.378	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Selenium	**0.839**		0.557	0.424	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Silver	ND		1.11	0.571	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Thallium	ND	^+	0.557	0.177	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Vanadium	**154**		0.557	0.209	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5
Zinc	**43.6**		5.57	3.36	mg/Kg	☼	06/21/25 00:00	06/23/25 12:50	5

Client Sample ID: StretfordEPB04_2.0
Lab Sample ID: 570-234934-9
Date Collected: 06/16/25 15:06
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.543	0.219	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Arsenic	**2.07**		0.543	0.0856	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Barium	**22.6**	**B**	0.543	0.300	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Beryllium	ND		0.543	0.433	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Cadmium	**0.258**	**J**	0.543	0.0782	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Chromium	**9.94**		0.543	0.414	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Cobalt	**3.16**		0.543	0.0556	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Copper	**18.4**		0.543	0.101	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Lead	**3.26**		0.543	0.300	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Molybdenum	ND		0.543	0.267	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Nickel	**8.62**		0.543	0.369	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Selenium	**0.713**		0.543	0.413	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Silver	ND		1.09	0.556	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Thallium	ND	^+	0.543	0.173	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Vanadium	**175**		0.543	0.204	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5
Zinc	**59.2**		5.43	3.28	mg/Kg	☼	06/21/25 00:00	06/23/25 12:53	5

Client Sample ID: StretfordEPB05_2.0
Lab Sample ID: 570-234934-10
Date Collected: 06/16/25 15:16
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.291**	**J**	0.509	0.205	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Arsenic	**3.13**		0.509	0.0803	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Barium	**61.1**	**B**	0.509	0.281	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Beryllium	**0.406**	**J**	0.509	0.406	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Cadmium	**0.0892**	**J**	0.509	0.0733	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Chromium	**17.5**		0.509	0.388	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Cobalt	**6.44**		0.509	0.0522	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Copper	**16.1**		0.509	0.0944	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Lead	**9.02**		0.509	0.281	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Molybdenum	**0.596**		0.509	0.251	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Nickel	**10.6**		0.509	0.346	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Selenium	**1.19**		0.509	0.388	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Silver	ND		1.02	0.522	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Thallium	**0.169**	**J**	0.509	0.162	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Vanadium	**35.6**		0.509	0.191	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5
Zinc	**43.4**		5.09	3.07	mg/Kg	☼	06/21/25 00:00	06/23/25 18:31	5

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: StretfordEPB06_2.0
Lab Sample ID: 570-234934-11
Date Collected: 06/16/25 15:21
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.549	0.221	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Arsenic	**3.80**		0.549	0.0865	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Barium	**55.4**		0.549	0.303	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Beryllium	ND		0.549	0.438	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Cadmium	**0.118**	**J**	0.549	0.0790	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Chromium	**16.3**		0.549	0.418	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Cobalt	**7.88**		0.549	0.0562	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Copper	**12.8**		0.549	0.102	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Lead	**6.26**		0.549	0.303	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Molybdenum	**0.514**	**J**	0.549	0.270	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Nickel	**10.8**		0.549	0.373	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Selenium	**1.09**		0.549	0.418	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Silver	ND		1.10	0.562	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Thallium	ND		0.549	0.174	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Vanadium	**32.7**		0.549	0.206	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5
Zinc	**33.9**		5.49	3.31	mg/Kg	☼	06/21/25 00:00	06/23/25 22:11	5

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12
Date Collected: 06/16/25 15:27
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.531	0.214	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Arsenic	**4.44**		0.531	0.0837	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Barium	**134**		0.531	0.293	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Beryllium	ND		0.531	0.423	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Cadmium	**0.226**	**J**	0.531	0.0764	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Chromium	**17.2**		0.531	0.404	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Cobalt	**8.05**		0.531	0.0544	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Copper	**45.4**		0.531	0.0984	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Lead	**6.08**		0.531	0.293	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Molybdenum	**0.719**		0.531	0.261	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Nickel	**12.4**		0.531	0.360	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Selenium	**1.15**		0.531	0.404	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Silver	ND		1.06	0.544	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Thallium	ND		0.531	0.169	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Vanadium	**153**		0.531	0.199	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5
Zinc	**65.9**		5.31	3.20	mg/Kg	☼	06/21/25 00:00	06/23/25 22:14	5

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0348**	**J**	0.0926	0.0255	mg/Kg	☼	06/18/25 13:55	06/19/25 11:06	1

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0688**	**J**	0.0876	0.0242	mg/Kg	☼	06/18/25 13:55	06/19/25 11:11	1

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.308**		0.0892	0.0246	mg/Kg	☼	06/18/25 13:55	06/19/25 11:13	1

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.153**		0.0839	0.0232	mg/Kg	☼	06/18/25 13:55	06/19/25 11:15	1

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.274**		0.0954	0.0263	mg/Kg	☼	06/18/25 13:55	06/19/25 11:21	1

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0553**	**J**	0.0926	0.0256	mg/Kg	☼	06/18/25 13:55	06/19/25 11:23	1

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0230	mg/Kg	☼	06/18/25 13:55	06/19/25 11:25	1

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0852**	**J**	0.101	0.0279	mg/Kg	☼	06/18/25 13:55	06/19/25 11:27	1

Client Sample ID: StretfordEPB04_2.0
Date Collected: 06/16/25 15:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0879	0.0243	mg/Kg	☼	06/18/25 13:55	06/19/25 11:29	1

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: StretfordEPB05_2.0
Lab Sample ID: 570-234934-10
Date Collected: 06/16/25 15:16
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0961	0.0265	mg/Kg	☼	06/18/25 13:55	06/19/25 11:31	1

Client Sample ID: StretfordEPB06_2.0
Lab Sample ID: 570-234934-11
Date Collected: 06/16/25 15:21
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0929	0.0256	mg/Kg	☼	06/18/25 13:55	06/19/25 11:33	1

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12
Date Collected: 06/16/25 15:27
Matrix: Solid
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0461**	**J**	0.0893	0.0246	mg/Kg	☼	06/18/25 13:55	06/19/25 11:35	1

General Chemistry

Client Sample ID: SB143EPSW01_NE_1.5
Date Collected: 06/16/25 11:40
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	6.21		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: SB143EPSW01_SE_1.5
Date Collected: 06/16/25 11:45
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	8.56		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: SB143EPSW01_SW_1.5
Date Collected: 06/16/25 11:57
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	10.2		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: SB143EPSW01_NW_1.9
Date Collected: 06/16/25 12:06
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	4.49		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: SB143EPB01_2.0
Date Collected: 06/16/25 12:11
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	9.03		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB01_2.0
Date Collected: 06/16/25 14:48
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	15.1		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB02_2.0
Date Collected: 06/16/25 14:53
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	3.83		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB03_2.0
Date Collected: 06/16/25 15:01
Date Received: 06/17/25 18:07
Lab Sample ID: 570-234934-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	12.4		0.100	0.100	%			06/18/25 15:43	1

General Chemistry

Client Sample ID: StretfordEPB04_2.0 **Lab Sample ID: 570-234934-9**
Date Collected: 06/16/25 15:06 **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	7.07		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB05_2.0 **Lab Sample ID: 570-234934-10**
Date Collected: 06/16/25 15:16 **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	9.69		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB06_2.0 **Lab Sample ID: 570-234934-11**
Date Collected: 06/16/25 15:21 **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	8.48		0.100	0.100	%			06/18/25 15:43	1

Client Sample ID: StretfordEPB07_2.0 **Lab Sample ID: 570-234934-12**
Date Collected: 06/16/25 15:27 **Matrix: Solid**
Date Received: 06/17/25 18:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	8.48		0.100	0.100	%			06/18/25 15:43	1

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(32-179)	(80-120)	(58-147)	(80-120)
570-234934-1	SB143EPSW01_NE_1.5	115	94	103	99
570-234934-2	SB143EPSW01_SE_1.5	119	99	105	99
570-234934-3	SB143EPSW01_SW_1.5	119	100	106	100
570-234934-4	SB143EPSW01_NW_1.9	116	94	105	98
570-234934-5	SB143EPB01_2.0	115	99	103	99
570-234934-6	StretfordEPB01_2.0	96	96	91	98
570-234934-7	StretfordEPB02_2.0	114	100	103	99
570-234934-8	StretfordEPB03_2.0	101	100	100	101
570-234934-9	StretfordEPB04_2.0	115	100	103	99
570-234934-10	StretfordEPB05_2.0	115	100	107	99
570-234934-11	StretfordEPB06_2.0	117	101	104	98
570-234934-12	StretfordEPB07_2.0	115	100	104	97
LCS 570-588155/3	Lab Control Sample	99	100	97	99
LCS 570-588473/4	Lab Control Sample	98	100	99	98
LCS 570-589019/4	Lab Control Sample	100	102	101	102
LCSD 570-588155/4	Lab Control Sample Dup	100	98	97	99
LCSD 570-588473/7	Lab Control Sample Dup	97	99	97	99
LCSD 570-589019/5	Lab Control Sample Dup	98	101	100	101
MB 570-588155/6	Method Blank	104	98	101	99
MB 570-588473/10	Method Blank	102	95	99	97
MB 570-588473/9	Method Blank	102	98	99	99
MB 570-589019/7	Method Blank	98	101	100	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(22-130)	(20-145)	(33-147)
570-234934-1	SB143EPSW01_NE_1.5	86	84	91
570-234934-1 MS	SB143EPSW01_NE_1.5	86	86	90
570-234934-1 MSD	SB143EPSW01_NE_1.5	86	85	90
570-234934-2	SB143EPSW01_SE_1.5	80	66	88
570-234934-3	SB143EPSW01_SW_1.5	75	68	85
570-234934-4	SB143EPSW01_NW_1.9	81	69	94
570-234934-5	SB143EPB01_2.0	81	68	95
570-234934-6	StretfordEPB01_2.0	57	0 S1-	91
570-234934-6 - DL	StretfordEPB01_2.0	61	235 S1+	87
570-234934-7	StretfordEPB02_2.0	88	89	95
570-234934-8	StretfordEPB03_2.0	83	82	94
570-234934-9	StretfordEPB04_2.0	90	92	99
570-234934-10	StretfordEPB05_2.0	85	88	96
570-234934-11	StretfordEPB06_2.0	85	84	92
570-234934-12	StretfordEPB07_2.0	81	85	104

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(22-130)	(20-145)	(33-147)
LCS 570-586526/2-A	Lab Control Sample	96	97	101
LCSD 570-586526/3-A	Lab Control Sample Dup	96	97	102
MB 570-586526/1-A	Method Blank	90	89	92

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-234934-1	SB143EPSW01_NE_1.5	76
570-234934-2	SB143EPSW01_SE_1.5	80
570-234934-3	SB143EPSW01_SW_1.5	84
570-234934-4	SB143EPSW01_NW_1.9	70
570-234934-5	SB143EPB01_2.0	83
570-234934-6	StretfordEPB01_2.0	111
570-234934-7	StretfordEPB02_2.0	101
570-234934-8	StretfordEPB03_2.0	102
570-234934-9	StretfordEPB04_2.0	101
570-234934-10	StretfordEPB05_2.0	101
570-234934-11	StretfordEPB06_2.0	97
570-234934-12	StretfordEPB07_2.0	102
LCS 570-587646/3	Lab Control Sample	89
LCS 570-587884/3	Lab Control Sample	108
LCS 570-588569/3	Lab Control Sample	96
LCSD 570-587646/4	Lab Control Sample Dup	96
LCSD 570-587884/4	Lab Control Sample Dup	110
LCSD 570-588569/4	Lab Control Sample Dup	95
MB 570-587646/5	Method Blank	81
MB 570-587884/5	Method Blank	102
MB 570-588569/5	Method Blank	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(29-160)
570-234934-1	SB143EPSW01_NE_1.5	151
570-234934-1 MS	SB143EPSW01_NE_1.5	137
570-234934-1 MSD	SB143EPSW01_NE_1.5	139
570-234934-2	SB143EPSW01_SE_1.5	126
570-234934-3	SB143EPSW01_SW_1.5	119
570-234934-4	SB143EPSW01_NW_1.9	140

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTCSN1 (29-160)						
570-234934-5	SB143EPB01_2.0	134						
570-234934-6 - DL	StretfordEPB01_2.0	112						
570-234934-7	StretfordEPB02_2.0	111						
570-234934-8	StretfordEPB03_2.0	106						
570-234934-9	StretfordEPB04_2.0	77						
570-234934-10	StretfordEPB05_2.0	129						
570-234934-11	StretfordEPB06_2.0	130						
570-234934-12 - DL	StretfordEPB07_2.0	141						
LCS 570-589458/2-A	Lab Control Sample	111						
LCSD 570-589458/3-A	Lab Control Sample Dup	119						
MB 570-589458/1-A	Method Blank	115						

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-588155/6
Matrix: Solid
Analysis Batch: 588155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	0.0039	mg/Kg			06/23/25 20:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 179*		*06/23/25 20:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/23/25 20:12*	*1*
Dibromofluoromethane (Surr)	*101*		*58 - 147*		*06/23/25 20:12*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/23/25 20:12*	*1*

Lab Sample ID: LCS 570-588155/3
Matrix: Solid
Analysis Batch: 588155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0200	0.01912		mg/Kg		96	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*32 - 179*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*58 - 147*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-588155/4
Matrix: Solid
Analysis Batch: 588155

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			0.0200	0.01937		mg/Kg		97	79 - 121	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*32 - 179*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*58 - 147*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 570-588473/10
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.50	0.20	mg/Kg			06/24/25 10:46	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 179*		*06/24/25 10:46*	*50*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/24/25 10:46*	*50*
Dibromofluoromethane (Surr)	*99*		*58 - 147*		*06/24/25 10:46*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/24/25 10:46*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-588473/9
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	0.0039	mg/Kg			06/24/25 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 179*		*06/24/25 10:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/24/25 10:23*	*1*
Dibromofluoromethane (Surr)	*99*		*58 - 147*		*06/24/25 10:23*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/24/25 10:23*	*1*

Lab Sample ID: LCS 570-588473/4
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0200	0.02032		mg/Kg		102	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 179*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*58 - 147*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-588473/7
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			0.0200	0.01988		mg/Kg		99	79 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*32 - 179*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*58 - 147*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 570-589019/7
Matrix: Solid
Analysis Batch: 589019

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.50	0.20	mg/Kg			06/25/25 10:36	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 179*		*06/25/25 10:36*	*50*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/25 10:36*	*50*
Dibromofluoromethane (Surr)	*100*		*58 - 147*		*06/25/25 10:36*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/25/25 10:36*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-589019/4
Matrix: Solid
Analysis Batch: 589019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0500	0.05573		mg/Kg		111	79 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*32 - 179*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*58 - 147*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-589019/5
Matrix: Solid
Analysis Batch: 589019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			0.0500	0.05339		mg/Kg		107	79 - 121	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 179*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*58 - 147*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-586526/1-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020	0.0053	mg/Kg		06/19/25 12:21	06/24/25 14:46	1
2-Methylnaphthalene	ND		0.020	0.0051	mg/Kg		06/19/25 12:21	06/24/25 14:46	1
Naphthalene	ND		0.020	0.018	mg/Kg		06/19/25 12:21	06/24/25 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*22 - 130*	*06/19/25 12:21*	*06/24/25 14:46*	*1*
Nitrobenzene-d5 (Surr)	*89*		*20 - 145*	*06/19/25 12:21*	*06/24/25 14:46*	*1*
p-Terphenyl-d14 (Surr)	*92*		*33 - 147*	*06/19/25 12:21*	*06/24/25 14:46*	*1*

Lab Sample ID: LCS 570-586526/2-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			0.995	1.031		mg/Kg		104	54 - 132		
2-Methylnaphthalene			0.995	1.014		mg/Kg		102	50 - 127		
Naphthalene			0.995	0.9826		mg/Kg		99	51 - 129		

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCS 570-586526/2-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586526

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	96		22 - 130
Nitrobenzene-d5 (Surr)	97		20 - 145
p-Terphenyl-d14 (Surr)	101		33 - 147

Lab Sample ID: LCSD 570-586526/3-A
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 586526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			1.00	1.039		mg/Kg		104	54 - 132	1	20
2-Methylnaphthalene			1.00	1.019		mg/Kg		102	50 - 127	0	20
Naphthalene			1.00	1.005		mg/Kg		100	51 - 129	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	96		22 - 130
Nitrobenzene-d5 (Surr)	97		20 - 145
p-Terphenyl-d14 (Surr)	102		33 - 147

Lab Sample ID: 570-234934-1 MS
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: SB143EPSW01_NE_1.5
Prep Type: Total/NA
Prep Batch: 586526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	ND		1.04	1.034		mg/Kg	☼	99	34 - 136
2-Methylnaphthalene	ND		1.04	0.9945		mg/Kg	☼	95	29 - 137
Naphthalene	ND		1.04	0.9239		mg/Kg	☼	89	20 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		22 - 130
Nitrobenzene-d5 (Surr)	86		20 - 145
p-Terphenyl-d14 (Surr)	90		33 - 147

Lab Sample ID: 570-234934-1 MSD
Matrix: Solid
Analysis Batch: 588484

Client Sample ID: SB143EPSW01_NE_1.5
Prep Type: Total/NA
Prep Batch: 586526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	ND		1.06	1.052		mg/Kg	☼	100	34 - 136	2	29
2-Methylnaphthalene	ND		1.06	1.018		mg/Kg	☼	96	29 - 137	2	31
Naphthalene	ND		1.06	0.9277		mg/Kg	☼	88	20 - 150	0	33

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		22 - 130
Nitrobenzene-d5 (Surr)	85		20 - 145
p-Terphenyl-d14 (Surr)	90		33 - 147

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-587646/5
Matrix: Solid
Analysis Batch: 587646

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.044	mg/Kg			06/22/25 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*42 - 126*		*06/22/25 12:24*	*1*

Lab Sample ID: LCS 570-587646/3
Matrix: Solid
Analysis Batch: 587646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	2.00	1.740		mg/Kg		87	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: LCSD 570-587646/4
Matrix: Solid
Analysis Batch: 587646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.00	1.678		mg/Kg		84	70 - 124	4	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*

Lab Sample ID: MB 570-587884/5
Matrix: Solid
Analysis Batch: 587884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.044	mg/Kg			06/23/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*		*06/23/25 11:46*	*1*

Lab Sample ID: LCS 570-587884/3
Matrix: Solid
Analysis Batch: 587884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	2.00	1.740		mg/Kg		87	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 570-587884/4
Matrix: Solid
Analysis Batch: 587884

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.00	1.706		mg/Kg		85	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*42 - 126*

Lab Sample ID: MB 570-588569/5
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.044	mg/Kg			06/24/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*		*06/24/25 12:21*	*1*

Lab Sample ID: LCS 570-588569/3
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.99	1.471		mg/Kg		74	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*

Lab Sample ID: LCSD 570-588569/4
Matrix: Solid
Analysis Batch: 588569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.98	1.469		mg/Kg		74	70 - 124	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-589458/1-A
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	4.6	mg/Kg		06/25/25 18:14	06/28/25 00:57	1
C23-C40	ND		25	4.6	mg/Kg		06/25/25 18:14	06/28/25 00:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-589458/1-A
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589458

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	115		29 - 160	06/25/25 18:14	06/28/25 00:57	1

Lab Sample ID: LCS 570-589458/2-A
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589458

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	459.1		mg/Kg		115	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	111		29 - 160

Lab Sample ID: LCSD 570-589458/3-A
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	491.2		mg/Kg		123	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	119		29 - 160

Lab Sample ID: 570-234934-1 MS
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: SB143EPSW01_NE_1.5
Prep Type: Total/NA
Prep Batch: 589458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	1300	F1	425	2040	F1	mg/Kg	☼	170	43 - 165		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	137		29 - 160

Lab Sample ID: 570-234934-1 MSD
Matrix: Solid
Analysis Batch: 590563

Client Sample ID: SB143EPSW01_NE_1.5
Prep Type: Total/NA
Prep Batch: 589458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1300	F1	424	1636		mg/Kg	☼	75	43 - 165	22	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	139		29 - 160

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-587139/1-A
Matrix: Solid
Analysis Batch: 588469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.497	0.200	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Arsenic	ND		0.497	0.0783	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Barium	ND		0.497	0.275	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Beryllium	ND		0.497	0.396	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Cadmium	ND		0.497	0.0716	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Chromium	ND		0.497	0.379	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Cobalt	ND		0.497	0.0509	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Copper	ND		0.497	0.0921	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Lead	ND		0.497	0.275	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Molybdenum	ND		0.497	0.244	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Nickel	ND		0.497	0.337	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Selenium	ND		0.497	0.378	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Silver	ND		0.994	0.509	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Thallium	ND		0.497	0.158	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Vanadium	ND		0.497	0.186	mg/Kg		06/21/25 00:00	06/23/25 21:02	5
Zinc	ND		4.97	3.00	mg/Kg		06/21/25 00:00	06/23/25 21:02	5

Lab Sample ID: LCS 570-587139/2-A
Matrix: Solid
Analysis Batch: 588469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	199	238.2		mg/Kg		120	80 - 120
Arsenic	199	165.9		mg/Kg		84	80 - 120
Barium	199	173.9		mg/Kg		88	80 - 120
Beryllium	199	165.6		mg/Kg		83	80 - 120
Cadmium	199	167.7		mg/Kg		84	80 - 120
Chromium	199	176.2		mg/Kg		89	80 - 120
Cobalt	199	180.0		mg/Kg		91	80 - 120
Copper	199	177.0		mg/Kg		89	80 - 120
Lead	199	183.4		mg/Kg		92	80 - 120
Molybdenum	199	223.5		mg/Kg		113	80 - 120
Nickel	199	176.0		mg/Kg		89	80 - 120
Selenium	199	159.9		mg/Kg		81	80 - 120
Silver	99.3	95.22		mg/Kg		96	80 - 120
Thallium	199	173.6		mg/Kg		87	80 - 120
Vanadium	199	175.1		mg/Kg		88	80 - 120
Zinc	199	164.8		mg/Kg		83	80 - 120

Lab Sample ID: LCSD 570-587139/3-A
Matrix: Solid
Analysis Batch: 588469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 587139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	198	228.9		mg/Kg		116	80 - 120	4	20
Arsenic	198	193.6		mg/Kg		98	80 - 120	15	20
Barium	198	202.8		mg/Kg		102	80 - 120	15	20
Beryllium	198	193.0		mg/Kg		97	80 - 120	15	20
Cadmium	198	195.5		mg/Kg		99	80 - 120	15	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 570-587139/3-A
Matrix: Solid
Analysis Batch: 588469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 587139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	198	201.1		mg/Kg		101	80 - 120	13	20
Cobalt	198	203.4		mg/Kg		103	80 - 120	12	20
Copper	198	204.6		mg/Kg		103	80 - 120	14	20
Lead	198	210.0		mg/Kg		106	80 - 120	14	20
Molybdenum	198	209.8		mg/Kg		106	80 - 120	6	20
Nickel	198	202.8		mg/Kg		102	80 - 120	14	20
Selenium	198	184.2		mg/Kg		93	80 - 120	14	20
Silver	99.1	109.2		mg/Kg		110	80 - 120	14	20
Thallium	198	198.3		mg/Kg		100	80 - 120	13	20
Vanadium	198	209.9		mg/Kg		106	80 - 120	18	20
Zinc	198	191.4		mg/Kg		97	80 - 120	15	20

Lab Sample ID: MB 570-587142/1-A
Matrix: Solid
Analysis Batch: 588142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.499	0.201	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Arsenic	ND		0.499	0.0786	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Barium	0.9382		0.499	0.276	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Beryllium	ND		0.499	0.398	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Cadmium	ND		0.499	0.0718	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Chromium	ND		0.499	0.380	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Cobalt	ND		0.499	0.0511	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Copper	ND		0.499	0.0925	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Lead	ND		0.499	0.276	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Molybdenum	ND		0.499	0.245	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Nickel	ND		0.499	0.339	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Selenium	ND		0.499	0.380	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Silver	ND		0.998	0.511	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Thallium	ND	^+	0.499	0.159	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Vanadium	ND		0.499	0.187	mg/Kg		06/21/25 00:00	06/23/25 13:09	5
Zinc	ND		4.99	3.01	mg/Kg		06/21/25 00:00	06/23/25 13:09	5

Lab Sample ID: LCS 570-587142/2-A
Matrix: Solid
Analysis Batch: 588142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	199	232.2		mg/Kg		116	80 - 120
Arsenic	199	195.8		mg/Kg		98	80 - 120
Barium	199	203.6		mg/Kg		102	80 - 120
Beryllium	199	193.2		mg/Kg		97	80 - 120
Cadmium	199	197.8		mg/Kg		99	80 - 120
Chromium	199	204.4		mg/Kg		102	80 - 120
Cobalt	199	206.7		mg/Kg		104	80 - 120
Copper	199	205.0		mg/Kg		103	80 - 120
Lead	199	211.7		mg/Kg		106	80 - 120
Molybdenum	199	212.7		mg/Kg		107	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-587142/2-A
Matrix: Solid
Analysis Batch: 588142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	199	204.0		mg/Kg		102	80 - 120
Selenium	199	187.7		mg/Kg		94	80 - 120
Silver	99.7	111.0		mg/Kg		111	80 - 120
Thallium	199	198.2	^+	mg/Kg		99	80 - 120
Vanadium	199	211.2		mg/Kg		106	80 - 120
Zinc	199	193.5		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 570-587142/3-A
Matrix: Solid
Analysis Batch: 588142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 587142

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	198	224.3		mg/Kg		113	80 - 120	3	20
Arsenic	198	189.5		mg/Kg		96	80 - 120	3	20
Barium	198	199.6		mg/Kg		101	80 - 120	2	20
Beryllium	198	188.4		mg/Kg		95	80 - 120	2	20
Cadmium	198	194.2		mg/Kg		98	80 - 120	2	20
Chromium	198	201.1		mg/Kg		102	80 - 120	2	20
Cobalt	198	198.3		mg/Kg		100	80 - 120	4	20
Copper	198	200.4		mg/Kg		101	80 - 120	2	20
Lead	198	205.5		mg/Kg		104	80 - 120	3	20
Molybdenum	198	210.5		mg/Kg		106	80 - 120	1	20
Nickel	198	199.8		mg/Kg		101	80 - 120	2	20
Selenium	198	182.7		mg/Kg		92	80 - 120	3	20
Silver	98.8	108.0		mg/Kg		109	80 - 120	3	20
Thallium	198	194.7	^+	mg/Kg		98	80 - 120	2	20
Vanadium	198	205.2		mg/Kg		104	80 - 120	3	20
Zinc	198	188.2		mg/Kg		95	80 - 120	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-585967/1-A
Matrix: Solid
Analysis Batch: 586470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0230	mg/Kg		06/18/25 13:55	06/19/25 11:00	1

Lab Sample ID: LCS 570-585967/2-A
Matrix: Solid
Analysis Batch: 586470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.4417		mg/Kg		110	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-585967/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586470
Prep Batch: 585967

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.426	0.4867		mg/Kg		114	80 - 120	10	20

Lab Sample ID: 570-234934-1 MS
Client Sample ID: SB143EPSW01_NE_1.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586470
Prep Batch: 585967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.0348	J	0.435	0.5106		mg/Kg	☼	109	75 - 125		

Lab Sample ID: 570-234934-1 MSD
Client Sample ID: SB143EPSW01_NE_1.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586470
Prep Batch: 585967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0348	J	0.427	0.4733		mg/Kg	☼	103	75 - 125	8	20

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 570-586051/1
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			06/18/25 15:43	1

Lab Sample ID: 570-234934-1 DU
Client Sample ID: SB143EPSW01_NE_1.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586051

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.21		6.16		%		0.8	10

Lab Sample ID: 570-234934-11 DU
Client Sample ID: StretfordEPB06_2.0
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 586051

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	8.48		8.39		%		1	10

GC/MS VOA

Prep Batch: 585441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	5035	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	5035	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	5035	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	5035	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	5035	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	5035	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	5035	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	5035	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	5035	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	5035	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	5035	
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	5035	

Analysis Batch: 588155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	8260B	585441
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	8260B	585441
MB 570-588155/6	Method Blank	Total/NA	Solid	8260B	
LCS 570-588155/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-588155/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 588473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	8260B	585441
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	8260B	585441
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	8260B	585441
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	8260B	585441
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	8260B	585441
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	8260B	585441
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	8260B	585441
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	8260B	585441
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	8260B	585441
MB 570-588473/10	Method Blank	Total/NA	Solid	8260B	
MB 570-588473/9	Method Blank	Total/NA	Solid	8260B	
LCS 570-588473/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-588473/7	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 589019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	8260B	585441
MB 570-589019/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-589019/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-589019/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 586526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	3546	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	3546	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 586526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	3546	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	3546	
570-234934-6 - DL	StretfordEPB01_2.0	Total/NA	Solid	3546	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	3546	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	3546	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	3546	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	3546	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	3546	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	3546	
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	3546	
MB 570-586526/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-586526/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-586526/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	3546	
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	3546	

Analysis Batch: 588484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	8270C SIM	586526
MB 570-586526/1-A	Method Blank	Total/NA	Solid	8270C SIM	586526
LCS 570-586526/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	586526
LCSD 570-586526/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	586526
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	8270C SIM	586526
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	8270C SIM	586526

Analysis Batch: 589251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	8270C SIM	586526
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	8270C SIM	586526
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	8270C SIM	586526
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	8270C SIM	586526
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	8270C SIM	586526

Analysis Batch: 591096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-6 - DL	StretfordEPB01_2.0	Total/NA	Solid	8270C SIM	586526

GC VOA

Prep Batch: 585441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	5035	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	5035	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	5035	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	5035	

GC VOA (Continued)

Prep Batch: 585441 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	5035	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	5035	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	5035	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	5035	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	5035	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	5035	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	5035	
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	5035	

Analysis Batch: 587646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	8015B	585441
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	8015B	585441
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	8015B	585441
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	8015B	585441
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	8015B	585441
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	8015B	585441
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	8015B	585441
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	8015B	585441
MB 570-587646/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-587646/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-587646/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Analysis Batch: 587884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	8015B	585441
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	8015B	585441
MB 570-587884/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-587884/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-587884/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Analysis Batch: 588569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	8015B	585441
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	8015B	585441
MB 570-588569/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-588569/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-588569/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 589458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	3550C	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	3550C	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	3550C	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	3550C	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	3550C	
570-234934-6 - DL	StretfordEPB01_2.0	Total/NA	Solid	3550C	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	3550C	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 589458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	3550C	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	3550C	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	3550C	
570-234934-12 - DL	StretfordEPB07_2.0	Total/NA	Solid	3550C	
MB 570-589458/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-589458/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-589458/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	3550C	
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	3550C	

Analysis Batch: 590563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	8015B	589458
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	8015B	589458
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	8015B	589458
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	8015B	589458
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	8015B	589458
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	8015B	589458
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	8015B	589458
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	8015B	589458
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	8015B	589458
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	8015B	589458
MB 570-589458/1-A	Method Blank	Total/NA	Solid	8015B	589458
LCS 570-589458/2-A	Lab Control Sample	Total/NA	Solid	8015B	589458
LCSD 570-589458/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	589458
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	8015B	589458
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	8015B	589458

Analysis Batch: 590992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-6 - DL	StretfordEPB01_2.0	Total/NA	Solid	8015B	589458

Analysis Batch: 591082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-12 - DL	StretfordEPB07_2.0	Total/NA	Solid	8015B	589458

Metals

Prep Batch: 585967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	7471A	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	7471A	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	7471A	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	7471A	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	7471A	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	7471A	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	7471A	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	7471A	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	7471A	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 585967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	7471A	
MB 570-585967/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-585967/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-585967/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	

Analysis Batch: 586470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	585967
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	7471A	585967
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	7471A	585967
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	7471A	585967
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	7471A	585967
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	7471A	585967
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	7471A	585967
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	7471A	585967
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	7471A	585967
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	7471A	585967
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	7471A	585967
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	7471A	585967
MB 570-585967/1-A	Method Blank	Total/NA	Solid	7471A	585967
LCS 570-585967/2-A	Lab Control Sample	Total/NA	Solid	7471A	585967
LCSD 570-585967/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	585967
570-234934-1 MS	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	585967
570-234934-1 MSD	SB143EPSW01_NE_1.5	Total/NA	Solid	7471A	585967

Prep Batch: 587139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	3051A	
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	3051A	
MB 570-587139/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 570-587139/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-587139/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Prep Batch: 587142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	3051A	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	3051A	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	3051A	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	3051A	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	3051A	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	3051A	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	3051A	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	3051A	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	3051A	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	3051A	
MB 570-587142/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 570-587142/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-587142/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Metals

Analysis Batch: 588142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	6020	587142
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	6020	587142
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	6020	587142
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	6020	587142
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	6020	587142
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	6020	587142
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	6020	587142
MB 570-587142/1-A	Method Blank	Total/NA	Solid	6020	587142
LCS 570-587142/2-A	Lab Control Sample	Total/NA	Solid	6020	587142
LCSD 570-587142/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	587142

Analysis Batch: 588469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	6020	587142
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	6020	587142
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	6020	587142
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	6020	587139
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	6020	587139
MB 570-587139/1-A	Method Blank	Total/NA	Solid	6020	587139
LCS 570-587139/2-A	Lab Control Sample	Total/NA	Solid	6020	587139
LCSD 570-587139/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	587139

General Chemistry

Analysis Batch: 586051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-234934-1	SB143EPSW01_NE_1.5	Total/NA	Solid	Moisture - 2540	
570-234934-2	SB143EPSW01_SE_1.5	Total/NA	Solid	Moisture - 2540	
570-234934-3	SB143EPSW01_SW_1.5	Total/NA	Solid	Moisture - 2540	
570-234934-4	SB143EPSW01_NW_1.9	Total/NA	Solid	Moisture - 2540	
570-234934-5	SB143EPB01_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-6	StretfordEPB01_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-7	StretfordEPB02_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-8	StretfordEPB03_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-9	StretfordEPB04_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-10	StretfordEPB05_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-11	StretfordEPB06_2.0	Total/NA	Solid	Moisture - 2540	
570-234934-12	StretfordEPB07_2.0	Total/NA	Solid	Moisture - 2540	
MB 570-586051/1	Method Blank	Total/NA	Solid	Moisture - 2540	
570-234934-1 DU	SB143EPSW01_NE_1.5	Total/NA	Solid	Moisture - 2540	
570-234934-11 DU	StretfordEPB06_2.0	Total/NA	Solid	Moisture - 2540	

Client Sample ID: SB143EPSW01_NE_1.5
Lab Sample ID: 570-234934-1
Date Collected: 06/16/25 11:40
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.345 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 11:09	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.20 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		5	1 mL	1 mL	588484	06/24/25 16:32	J7WE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	5035			5.709 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 13:32	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.02 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	590563	06/28/25 09:19	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4395 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 13:31	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.48 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:06	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: SB143EPSW01_SE_1.5
Lab Sample ID: 570-234934-2
Date Collected: 06/16/25 11:45
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.687 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 11:32	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.30 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		10	1 mL	1 mL	589251	06/25/25 14:30	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.653 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 13:54	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.04 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	590563	06/28/25 09:41	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4964 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588469	06/23/25 18:34	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.52 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:11	RL6Q	EET CAL 4
	Instrument ID: HG8									

Client Sample ID: SB143EPSW01_SE_1.5
Lab Sample ID: 570-234934-2
Date Collected: 06/16/25 11:45
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4

Client Sample ID: SB143EPSW01_SW_1.5
Lab Sample ID: 570-234934-3
Date Collected: 06/16/25 11:57
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.228 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 11:55	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.22 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		10	1 mL	1 mL	589251	06/25/25 14:53	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			7.225 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 14:17	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.04 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	590563	06/28/25 10:03	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4580 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:36	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.52 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:13	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: SB143EPSW01_NW_1.9
Lab Sample ID: 570-234934-4
Date Collected: 06/16/25 12:06
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.566 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 12:18	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.14 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		10	1 mL	1 mL	589251	06/25/25 15:16	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			4.839 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 14:39	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.01 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	590563	06/28/25 10:24	H6FE	EET CAL 4
	Instrument ID: GC50A									

Client Sample ID: SB143EPSW01_NW_1.9
Lab Sample ID: 570-234934-4
Date Collected: 06/16/25 12:06
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			0.5794 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:39	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.52 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:15	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: SB143EPB01_2.0
Lab Sample ID: 570-234934-5
Date Collected: 06/16/25 12:11
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.45 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 12:41	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.18 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		10	1 mL	1 mL	589251	06/25/25 15:38	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.182 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 15:02	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.00 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	590563	06/28/25 10:46	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4686 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:42	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.48 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:21	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6
Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.934 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		50	5 g	5 mL	588473	06/24/25 18:02	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546	DL		10.25 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM	DL	10	1 mL	1 mL	591096	06/30/25 12:53	PQS1	EET CAL 4
	Instrument ID: GCMS84									

Client Sample ID: StretfordEPB01_2.0
Lab Sample ID: 570-234934-6
Date Collected: 06/16/25 14:48
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.25 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 16:01	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.184 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 15:24	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C	DL		10.03 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B	DL	5	10 mL	10 mL	590992	06/30/25 02:16	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.5805 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588469	06/23/25 18:26	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.53 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:23	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB02_2.0
Lab Sample ID: 570-234934-7
Date Collected: 06/16/25 14:53
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.488 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 13:04	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.13 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 16:23	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.288 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 15:46	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.05 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	590563	06/28/25 02:25	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4502 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:47	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.52 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:25	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB03_2.0
Lab Sample ID: 570-234934-8
Date Collected: 06/16/25 15:01
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.745 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		50	5 g	5 mL	589019	06/25/25 11:40	AJ4K	EET CAL 4
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			10.17 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 16:46	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			7.994 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 16:16	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.01 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	590563	06/28/25 02:46	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.5123 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:50	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.47 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:27	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB04_2.0
Lab Sample ID: 570-234934-9
Date Collected: 06/16/25 15:06
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.03 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 13:27	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.15 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 17:09	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.381 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587646	06/22/25 16:31	W4LC	EET CAL 4
	Instrument ID: GC75									
Total/NA	Prep	3550C			10.05 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	590563	06/28/25 03:08	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.4954 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588142	06/23/25 12:53	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.51 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:29	RL6Q	EET CAL 4
	Instrument ID: HG8									

Client Sample ID: StretfordEPB04_2.0
Lab Sample ID: 570-234934-9
Date Collected: 06/16/25 15:06
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4

Client Sample ID: StretfordEPB05_2.0
Lab Sample ID: 570-234934-10
Date Collected: 06/16/25 15:16
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.012 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588473	06/24/25 13:50	VYF4	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.24 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 17:31	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.081 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587884	06/23/25 14:15	W4LC	EET CAL 4
	Instrument ID: GC74									
Total/NA	Prep	3550C			10.01 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	590563	06/28/25 03:30	H6FE	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.5435 g	50 mL	587142	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588469	06/23/25 18:31	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.48 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:31	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB06_2.0
Lab Sample ID: 570-234934-11
Date Collected: 06/16/25 15:21
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.912 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588155	06/24/25 02:43	GC3Z	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.12 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 17:54	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			5.864 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	588569	06/24/25 16:40	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.03 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	590563	06/28/25 03:52	H6FE	EET CAL 4
	Instrument ID: GC50A									

Client Sample ID: StretfordEPB06_2.0
Lab Sample ID: 570-234934-11

Date Collected: 06/16/25 15:21
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			0.4978 g	50 mL	587139	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588469	06/23/25 22:11	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.49 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:33	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Client Sample ID: StretfordEPB07_2.0
Lab Sample ID: 570-234934-12

Date Collected: 06/16/25 15:27
Matrix: Solid
Date Received: 06/17/25 18:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.011 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	588155	06/24/25 03:06	GC3Z	EET CAL 4
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			10.16 g	2 mL	586526	06/19/25 12:22	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	589251	06/25/25 18:16	PQS1	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5035			6.119 g	5 mL	585441	06/17/25 16:37	X7LQ	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	587884	06/23/25 15:04	W4LC	EET CAL 4
	Instrument ID: GC74									
Total/NA	Prep	3550C	DL		10.02 g	10 mL	589458	06/25/25 18:14	DVE6	EET CAL 4
Total/NA	Analysis	8015B	DL	25	10 mL	10 mL	591082	06/30/25 09:59	NR	EET CAL 4
	Instrument ID: GC50A									
Total/NA	Prep	3051A			0.5146 g	50 mL	587139	06/21/25 00:00	M2KZ	EET CAL 4
Total/NA	Analysis	6020		5			588469	06/23/25 22:14	C0YH	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.51 g	50 mL	585967	06/18/25 13:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			586470	06/19/25 11:35	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			586051	06/18/25 15:43	TP6R	EET CAL 4
	Instrument ID: BAL109									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8270C SIM	PAHs (GC/MS SIM)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6020	Metals (ICP/MS)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture - 2540	Percent Moisture	SM	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-234934-1
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-234934-1	SB143EPSW01_NE_1.5	Solid	06/16/25 11:40	06/17/25 18:07
570-234934-2	SB143EPSW01_SE_1.5	Solid	06/16/25 11:45	06/17/25 18:07
570-234934-3	SB143EPSW01_SW_1.5	Solid	06/16/25 11:57	06/17/25 18:07
570-234934-4	SB143EPSW01_NW_1.9	Solid	06/16/25 12:06	06/17/25 18:07
570-234934-5	SB143EPB01_2.0	Solid	06/16/25 12:11	06/17/25 18:07
570-234934-6	StretfordEPB01_2.0	Solid	06/16/25 14:48	06/17/25 18:07
570-234934-7	StretfordEPB02_2.0	Solid	06/16/25 14:53	06/17/25 18:07
570-234934-8	StretfordEPB03_2.0	Solid	06/16/25 15:01	06/17/25 18:07
570-234934-9	StretfordEPB04_2.0	Solid	06/16/25 15:06	06/17/25 18:07
570-234934-10	StretfordEPB05_2.0	Solid	06/16/25 15:16	06/17/25 18:07
570-234934-11	StretfordEPB06_2.0	Solid	06/16/25 15:21	06/17/25 18:07
570-234934-12	StretfordEPB07_2.0	Solid	06/16/25 15:27	06/17/25 18:07

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570-234934 Chain of Custody

Loc: 570
234934

CHAIN-OF-CUSTODY RECORD

DATE: 6/16/2025
PAGE: 1 OF 2

LABORATORY CLIENT: Langan	CLIENT PROJECT NAME / NO.: 700152701
ADDRESS: 18575 Jamboree Road, Suite 150	P.O. NO.:
CITY: Irvine STATE: CA ZIP: 92612	PROJECT CONTACT: Travis Knight
TEL: 949-561-9200 E-MAIL: tknight@langan.com	ECI PROJECT #: ECI PROJECT #57022480
GLOBAL ID:	LOG CODE:
	SAMPLER(S): (PRINT): Nima Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6020/7471A CA Title 22 Metals (STLC 10x)	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8260B naphthalene	8270 Sim naphthalene, 1-methylnaphthalene, 2-methylnaphthalene
1	SB143EPSW01_NE_1.5	SB143	6/16/25	1140	soil	6	1	5		X	X				X	X
2	SB143EPSW01_SE_1.5			1145												
3	SB143EPSW01_SW_1.5			1157												
4	SB143EPSW01_NW_1.9			1206												
5	SB143EPB01_2.0	↓		1211												
6	StretfordEPB01_2.0	Stretford		1448												
7	StretfordEPB02_2.0	Unit Area		1453												
8	StretfordEPB03_2.0	↓		1501												
9	StretfordEPB04_2.0			1506												
10	StretfordEPB05_2.0	↓	↓	1516	↓	↓	↓	↓		↓	↓				↓	↓

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/16/25	Time: 18:07
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.4/2.9 Soil

2014-07-01 Revision

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CHAIN-OF-CUSTODY RECORD

DATE: 6/16/25
PAGE: 2 OF 2

WO NO. / LAB USE ONLY

LABORATORY CLIENT: Langan
ADDRESS: 18575 Jamboree Road, Suite 150
CITY: Irvine STATE: CA ZIP: 92612
TEL: 949-561-9200 E-MAIL: tknight@langan.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS X STANDARD
EDD:
☐ COELT EDF ☐ OTHER

CLIENT PROJECT NAME / NO.: 700152701
PROJECT CONTACT: Travis Knight
GLOBAL ID:
LOG CODE:
P.O. NO.:
ECI PROJECT #: ECI PROJECT #57022480
SAMPLER(S): (PRINT) Nilma Edward

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6020/7471A CA Title 22 Metals (6010B)	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs	8260B naphthalene	8270D naphthalene, 1-methylnaphthalene SIM												
11	StretfordEPB06_2.0	Stretford	6/16/25	1521	Soil	6	1	5		X	X				X	X												
12	StretfordEPB07_2.0	Unit Area	↓	1527	↓	↓	↓	↓		X	X				X	X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 6/16/25	Time: 1807
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-234934-1

Login Number: 234934
List Number: 1
Creator: Skinner, Alma D

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Knight
Langan Engineering and Environmental Services LLC
515 S. Flower St.
Suite 1060
Los Angeles, California 90071

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JOB DESCRIPTION

Soil Sampling / 700152701

JOB NUMBER

570-239558-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

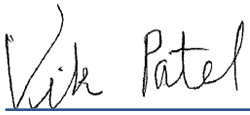
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Job Notes

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Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

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Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-239558-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 7/22/2025 11:35 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

GC/MS Semi VOA
Method 8270C_SIM_PAH: Surrogate recovery for the following sample was outside control limits: StretfordEPB01_4.5 (570-239558-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.040		0.023	0.0063	mg/Kg	1	☼	8270C SIM	Total/NA
2-Methylnaphthalene	0.046		0.023	0.0060	mg/Kg	1	☼	8270C SIM	Total/NA
Gasoline Range Organics (C4-C12)	0.90		0.12	0.052	mg/Kg	1	☼	8015B	Total/NA
C13-C22	24		5.9	5.4	mg/Kg	1	☼	8015B	Total/NA
C23-C40	6.6	J	29	5.4	mg/Kg	1	☼	8015B	Total/NA
Vanadium	2.76		0.200	0.0478	mg/L	1		6010B	STLC Citrate
Antimony	0.912		0.694	0.280	mg/Kg	5	☼	6020	Total/NA
Arsenic	4.60		0.694	0.109	mg/Kg	5	☼	6020	Total/NA
Barium	140		0.694	0.383	mg/Kg	5	☼	6020	Total/NA
Beryllium	1.18		0.694	0.554	mg/Kg	5	☼	6020	Total/NA
Chromium	29.0		0.694	0.529	mg/Kg	5	☼	6020	Total/NA
Cobalt	13.3		0.694	0.0711	mg/Kg	5	☼	6020	Total/NA
Copper	18.1		0.694	0.129	mg/Kg	5	☼	6020	Total/NA
Lead	9.09		0.694	0.383	mg/Kg	5	☼	6020	Total/NA
Molybdenum	0.833		0.694	0.341	mg/Kg	5	☼	6020	Total/NA
Nickel	24.9		0.694	0.471	mg/Kg	5	☼	6020	Total/NA
Selenium	1.64		0.694	0.528	mg/Kg	5	☼	6020	Total/NA
Thallium	0.335	J	0.694	0.221	mg/Kg	5	☼	6020	Total/NA
Vanadium	132		0.694	0.260	mg/Kg	5	☼	6020	Total/NA
Zinc	61.8		6.94	4.19	mg/Kg	5	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.040**		0.023	0.0063	mg/Kg	☼	07/24/25 19:48	07/27/25 03:40	1
2-Methylnaphthalene	**0.046**		0.023	0.0060	mg/Kg	☼	07/24/25 19:48	07/27/25 03:40	1
Naphthalene	ND		0.023	0.021	mg/Kg	☼	07/24/25 19:48	07/27/25 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*132*	*S1+*	*22 - 130*	*07/24/25 19:48*	*07/27/25 03:40*	*1*
Nitrobenzene-d5 (Surr)	*122*		*20 - 145*	*07/24/25 19:48*	*07/27/25 03:40*	*1*
p-Terphenyl-d14 (Surr)	*127*		*33 - 147*	*07/24/25 19:48*	*07/27/25 03:40*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 8015B - Gasoline Range Organics - (GC)

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	0.90		0.12	0.052	mg/Kg	☼	07/24/25 11:42	07/24/25 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/24/25 11:42*	*07/24/25 15:30*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	24		5.9	5.4	mg/Kg	☼	07/23/25 11:58	07/25/25 07:21	1
C23-C40	6.6	J	29	5.4	mg/Kg	☼	07/23/25 11:58	07/25/25 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*29 - 160*	*07/23/25 11:58*	*07/25/25 07:21*	*1*

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	2.76		0.200	0.0478	mg/L		07/28/25 11:37	07/28/25 13:56	1

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.912**		0.694	0.280	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Arsenic	**4.60**		0.694	0.109	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Barium	**140**		0.694	0.383	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Beryllium	**1.18**		0.694	0.554	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Cadmium	ND		0.694	0.0999	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Chromium	**29.0**		0.694	0.529	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Cobalt	**13.3**		0.694	0.0711	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Copper	**18.1**		0.694	0.129	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Lead	**9.09**		0.694	0.383	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Molybdenum	**0.833**		0.694	0.341	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Nickel	**24.9**		0.694	0.471	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Selenium	**1.64**		0.694	0.528	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Silver	ND		1.39	0.711	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Thallium	**0.335**	**J**	0.694	0.221	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Vanadium	**132**		0.694	0.260	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5
Zinc	**61.8**		6.94	4.19	mg/Kg	☼	07/24/25 12:22	07/24/25 21:18	5

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1
Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0929	0.0257	mg/Kg	☼	07/24/25 03:48	07/24/25 10:35	1

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

General Chemistry

Client Sample ID: StretfordEPB01_4.5
Date Collected: 07/22/25 09:07
Date Received: 07/22/25 11:35

Lab Sample ID: 570-239558-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	15.4		0.100	0.100	%			07/23/25 17:11	1

Surrogate Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(22-130)	(20-145)	(33-147)
570-239558-1	StretfordEPB01_4.5	132 S1+	122	127
LCS 570-601599/2-A	Lab Control Sample	102	95	101
LCSD 570-601599/3-A	Lab Control Sample Dup	103	96	103
MB 570-601599/1-A	Method Blank	101	91	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-239558-1	StretfordEPB01_4.5	94
LCS 570-601755/1-A	Lab Control Sample	94
LCSD 570-601755/2-A	Lab Control Sample Dup	94
MB 570-601755/3-A	Method Blank	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(29-160)
570-239558-1	StretfordEPB01_4.5	100
LCS 570-601184/2-A	Lab Control Sample	99
LCSD 570-601184/3-A	Lab Control Sample Dup	103
MB 570-601184/1-A	Method Blank	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-601599/1-A
Matrix: Solid
Analysis Batch: 602661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.020	0.0054	mg/Kg		07/24/25 08:15	07/26/25 04:34	1
2-Methylnaphthalene	ND		0.020	0.0051	mg/Kg		07/24/25 08:15	07/26/25 04:34	1
Naphthalene	ND		0.020	0.018	mg/Kg		07/24/25 08:15	07/26/25 04:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*101*		*22 - 130*	*07/24/25 08:15*	*07/26/25 04:34*	*1*
Nitrobenzene-d5 (Surr)	*91*		*20 - 145*	*07/24/25 08:15*	*07/26/25 04:34*	*1*
p-Terphenyl-d14 (Surr)	*96*		*33 - 147*	*07/24/25 08:15*	*07/26/25 04:34*	*1*

Lab Sample ID: LCS 570-601599/2-A
Matrix: Solid
Analysis Batch: 602661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601599

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.00	1.001		mg/Kg		100	54 - 132		
2-Methylnaphthalene			1.00	1.045		mg/Kg		105	50 - 127		
Naphthalene			1.00	1.032		mg/Kg		103	51 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*102*		*22 - 130*
Nitrobenzene-d5 (Surr)	*95*		*20 - 145*
p-Terphenyl-d14 (Surr)	*101*		*33 - 147*

Lab Sample ID: LCSD 570-601599/3-A
Matrix: Solid
Analysis Batch: 602661

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601599

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			0.995	0.9987		mg/Kg		100	54 - 132	0	20
2-Methylnaphthalene			0.995	1.052		mg/Kg		106	50 - 127	1	20
Naphthalene			0.995	1.036		mg/Kg		104	51 - 129	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*103*		*22 - 130*
Nitrobenzene-d5 (Surr)	*96*		*20 - 145*
p-Terphenyl-d14 (Surr)	*103*		*33 - 147*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-601755/3-A
Matrix: Solid
Analysis Batch: 601765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.044	mg/Kg		07/24/25 11:42	07/24/25 14:30	1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 570-601755/3-A
Matrix: Solid
Analysis Batch: 601765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601755

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		42 - 126	07/24/25 11:42	07/24/25 14:30	1

Lab Sample ID: LCS 570-601755/1-A
Matrix: Solid
Analysis Batch: 601765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601755

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			2.00	1.571		mg/Kg		79	70 - 124		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		42 - 126

Lab Sample ID: LCSD 570-601755/2-A
Matrix: Solid
Analysis Batch: 601765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.00	1.485		mg/Kg		74	70 - 124	6	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		42 - 126

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-601184/1-A
Matrix: Solid
Analysis Batch: 601208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	4.6	mg/Kg		07/23/25 11:58	07/23/25 14:41	1
C23-C40	ND		25	4.6	mg/Kg		07/23/25 11:58	07/23/25 14:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	98		29 - 160	07/23/25 11:58	07/23/25 14:41	1

Lab Sample ID: LCS 570-601184/2-A
Matrix: Solid
Analysis Batch: 601208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601184

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	444.9		mg/Kg		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	99		29 - 160

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 570-601184/3-A
Matrix: Solid
Analysis Batch: 601208

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601184

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	461.9		mg/Kg		115	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*103*		*29 - 160*

Method: 6010B - Metals (ICP)

Lab Sample ID: LB 570-601646/1-D
Matrix: Solid
Analysis Batch: 603597

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 603405

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.200	0.0478	mg/L		07/28/25 11:37	07/28/25 13:23	1

Lab Sample ID: LCS 570-601646/2-D
Matrix: Solid
Analysis Batch: 603597

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate
Prep Batch: 603405

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vanadium			20.0	19.26		mg/L		96	80 - 120		

Lab Sample ID: LCSD 570-601646/3-D
Matrix: Solid
Analysis Batch: 603597

Client Sample ID: Lab Control Sample Dup
Prep Type: STLC Citrate
Prep Batch: 603405

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium			20.0	19.33		mg/L		97	80 - 120	0	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-601776/1-A
Matrix: Solid
Analysis Batch: 602052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.463	0.187	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Arsenic	ND		0.463	0.0730	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Barium	ND		0.463	0.256	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Beryllium	ND		0.463	0.370	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Cadmium	ND		0.463	0.0667	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Chromium	ND		0.463	0.353	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Cobalt	ND		0.463	0.0475	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Copper	ND		0.463	0.0859	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Lead	ND		0.463	0.256	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Molybdenum	ND		0.463	0.228	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Nickel	ND		0.463	0.315	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Selenium	ND		0.463	0.353	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Silver	ND		0.927	0.475	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Thallium	ND		0.463	0.147	mg/Kg		07/24/25 12:22	07/24/25 20:58	5

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-601776/1-A
Matrix: Solid
Analysis Batch: 602052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.463	0.174	mg/Kg		07/24/25 12:22	07/24/25 20:58	5
Zinc	ND		4.63	2.80	mg/Kg		07/24/25 12:22	07/24/25 20:58	5

Lab Sample ID: LCS 570-601776/2-A
Matrix: Solid
Analysis Batch: 602052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	187	182.3		mg/Kg		98	80 - 120
Arsenic	187	165.0		mg/Kg		88	80 - 120
Barium	187	180.4		mg/Kg		97	80 - 120
Beryllium	187	187.9		mg/Kg		101	80 - 120
Cadmium	187	171.8		mg/Kg		92	80 - 120
Chromium	187	175.6		mg/Kg		94	80 - 120
Cobalt	187	183.3		mg/Kg		98	80 - 120
Copper	187	174.2		mg/Kg		93	80 - 120
Lead	187	184.6		mg/Kg		99	80 - 120
Molybdenum	187	192.4		mg/Kg		103	80 - 120
Nickel	187	174.1		mg/Kg		93	80 - 120
Selenium	187	159.1		mg/Kg		85	80 - 120
Silver	93.4	93.54		mg/Kg		100	80 - 120
Thallium	187	170.4		mg/Kg		91	80 - 120
Vanadium	187	173.4		mg/Kg		93	80 - 120
Zinc	187	162.3		mg/Kg		87	80 - 120

Lab Sample ID: LCSD 570-601776/3-A
Matrix: Solid
Analysis Batch: 602052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	192	187.4		mg/Kg		98	80 - 120	3	20
Arsenic	192	186.3		mg/Kg		97	80 - 120	12	20
Barium	192	201.2		mg/Kg		105	80 - 120	11	20
Beryllium	192	217.3		mg/Kg		113	80 - 120	15	20
Cadmium	192	192.5		mg/Kg		100	80 - 120	11	20
Chromium	192	205.7		mg/Kg		107	80 - 120	16	20
Cobalt	192	207.6		mg/Kg		108	80 - 120	12	20
Copper	192	197.9		mg/Kg		103	80 - 120	13	20
Lead	192	210.7		mg/Kg		110	80 - 120	13	20
Molybdenum	192	195.2		mg/Kg		102	80 - 120	1	20
Nickel	192	197.7		mg/Kg		103	80 - 120	13	20
Selenium	192	183.7		mg/Kg		96	80 - 120	14	20
Silver	95.8	104.6		mg/Kg		109	80 - 120	11	20
Thallium	192	194.8		mg/Kg		102	80 - 120	13	20
Vanadium	192	199.5		mg/Kg		104	80 - 120	14	20
Zinc	192	184.0		mg/Kg		96	80 - 120	13	20

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-601506/1-A
Matrix: Solid
Analysis Batch: 601820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0230	mg/Kg		07/24/25 03:48	07/24/25 09:48	1

Lab Sample ID: LCS 570-601506/2-A
Matrix: Solid
Analysis Batch: 601820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601506

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.392	0.3791		mg/Kg		97	80 - 120		

Lab Sample ID: LCSD 570-601506/3-A
Matrix: Solid
Analysis Batch: 601820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601506

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.377	0.3614		mg/Kg		96	80 - 120	5	20

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 570-601383/1
Matrix: Solid
Analysis Batch: 601383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	0.100	%			07/23/25 17:11	1

GC/MS Semi VOA

Prep Batch: 601599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	3546	
MB 570-601599/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-601599/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-601599/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 602661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-601599/1-A	Method Blank	Total/NA	Solid	8270C SIM	601599
LCS 570-601599/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	601599
LCSD 570-601599/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	601599

Analysis Batch: 602964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	8270C SIM	601599

GC VOA

Prep Batch: 601755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	5030C	
MB 570-601755/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-601755/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-601755/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Analysis Batch: 601765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	8015B	601755
MB 570-601755/3-A	Method Blank	Total/NA	Solid	8015B	601755
LCS 570-601755/1-A	Lab Control Sample	Total/NA	Solid	8015B	601755
LCSD 570-601755/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	601755

GC Semi VOA

Prep Batch: 601184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	3550C	
MB 570-601184/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-601184/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-601184/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 601208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-601184/1-A	Method Blank	Total/NA	Solid	8015B	601184
LCS 570-601184/2-A	Lab Control Sample	Total/NA	Solid	8015B	601184
LCSD 570-601184/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	601184

Analysis Batch: 602049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	8015B	601184

Metals

Prep Batch: 601506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	7471A	
MB 570-601506/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-601506/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-601506/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Leach Batch: 601646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	STLC Citrate	Solid	CA WET Citrate	
LB 570-601646/1-D	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 570-601646/2-D	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 570-601646/3-D	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 601776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	3051A	
MB 570-601776/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 570-601776/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-601776/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 601820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	7471A	601506
MB 570-601506/1-A	Method Blank	Total/NA	Solid	7471A	601506
LCS 570-601506/2-A	Lab Control Sample	Total/NA	Solid	7471A	601506
LCSD 570-601506/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	601506

Analysis Batch: 602052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	6020	601776
MB 570-601776/1-A	Method Blank	Total/NA	Solid	6020	601776
LCS 570-601776/2-A	Lab Control Sample	Total/NA	Solid	6020	601776
LCSD 570-601776/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	601776

Prep Batch: 603405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	STLC Citrate	Solid	Dilution	601646
LB 570-601646/1-D	Method Blank	STLC Citrate	Solid	Dilution	601646
LCS 570-601646/2-D	Lab Control Sample	STLC Citrate	Solid	Dilution	601646
LCSD 570-601646/3-D	Lab Control Sample Dup	STLC Citrate	Solid	Dilution	601646

Analysis Batch: 603597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	STLC Citrate	Solid	6010B	603405
LB 570-601646/1-D	Method Blank	STLC Citrate	Solid	6010B	603405
LCS 570-601646/2-D	Lab Control Sample	STLC Citrate	Solid	6010B	603405
LCSD 570-601646/3-D	Lab Control Sample Dup	STLC Citrate	Solid	6010B	603405

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

General Chemistry

Analysis Batch: 601383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239558-1	StretfordEPB01_4.5	Total/NA	Solid	Moisture - 2540	
MB 570-601383/1	Method Blank	Total/NA	Solid	Moisture - 2540	

Lab Chronicle

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Client Sample ID: StretfordEPB01_4.5
Lab Sample ID: 570-239558-1

Date Collected: 07/22/25 09:07
Matrix: Solid
Date Received: 07/22/25 11:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.11 g	2 mL	601599	07/24/25 19:48	XG8M	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	602964	07/27/25 03:40	J7WE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	5030C			5.05 g	5.00 mL	601755	07/24/25 11:42	YD9V	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	601765	07/24/25 15:30	A9VE	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.05 g	10 mL	601184	07/23/25 11:58	S8LD	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	602049	07/25/25 07:21	H6FE	EET CAL 4
	Instrument ID: GC69A									
STLC Citrate	Leach	CA WET Citrate			50.12 g	500 mL	601646	07/24/25 13:20	D2TZ	EET CAL 4
STLC Citrate	Prep	Dilution			0.5 mL	10 mL	603405	07/28/25 11:37	VZ0K	EET CAL 4
STLC Citrate	Analysis	6010B		1			603597	07/28/25 13:56	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	3051A			0.4259 g	50 mL	601776	07/24/25 12:22	SXN8	EET CAL 4
Total/NA	Analysis	6020		5			602052	07/24/25 21:18	P1R	EET CAL 4
	Instrument ID: ICPMS11									
Total/NA	Prep	7471A			0.53 g	50 mL	601506	07/24/25 03:48	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			601820	07/24/25 10:35	RL6Q	EET CAL 4
	Instrument ID: HG8									
Total/NA	Analysis	Moisture - 2540		1			601383	07/23/25 17:11	JZ9H	EET CAL 4
	Instrument ID: BAL109									

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26

Method Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Method	Method Description	Protocol	Laboratory
8270C SIM	PAHs (GC/MS SIM)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
6020	Metals (ICP/MS)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture - 2540	Percent Moisture	SM	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	EET CAL 4
Dilution	Preparation / Dilution Process	None	EET CAL 4

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Langan Engineering and Environmental Services LLC
Job ID: 570-239558-1
Project/Site: Soil Sampling / 700152701

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-239558-1	StretfordEPB01_4.5	Solid	07/22/25 09:07	07/22/25 11:35

Loc: 570
239558

eurofins | Calscience

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-239558 Chain of Custody

E ONLY

CHAIN-OF-CUSTODY RECORD

DATE: 07/22/25
PAGE: 1 OF 1

LABORATORY CLIENT: Langan	CLIENT PROJECT NAME / NO.: 700152701
ADDRESS: 18575 Jamboree Road, Suite 150	P.O. NO.:
CITY: Irvine STATE: CA ZIP: 92612	PROJECT CONTACT: Travis Knight
TEL: 949-561-9200 E-MAIL: tknight@langan.com	ECI PROJECT #: ECI PROJECT #57022480
	GLOBAL ID: / LOG CODE: / SAMPLER(S): (PRINT) Nilma Edward

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD ☒ 4-DAYS

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Perform STLC for analyte concentrations greater than 10x the STLC Limit but below the TTLC. Perform TCLP for analyte concentrations greater than 20x the TCLP Limit.

Perform STLC for vanadium.

TAT of 4-days please.

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	FIELD POINT ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	6010B/7471A CA Title 22 Metals	8015B Gas (C4-C13), Diesel (C13-C22), Oil (C23-	8260B VOCs + Oxys	8270C SVOCS	8270C SIM PAHs - 1-methylnapthalene, 2-methylnapthalene, napthalene	STLC/6010B Vanadium
1	StretfordEPB01_4.5	Former Stretford Unit Area	7/22/25	0907	Soil	1	1			X	X			X	X

Relinquished by: (Signature)	7/22/25 1135	Received by: (Signature/Affiliation) Juliejued EC	Date: 7/22/25 Time: 11:35
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:

VUF2

2014-07-01 Revision

48/48 IR92

7/28/2025

Login Sample Receipt Checklist

Client: Langan Engineering and Environmental Services LLC

Job Number: 570-239558-1

Login Number: 239558

List Source: Eurofins Calscience

List Number: 1

Creator: Nguyen, Jenny

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

WASTE DISPOSAL DOCUMENTATION

EWLES MATERIALS

Div. of John B. Ewles, Inc.
P.O. Box 578
STANTON, CALIFORNIA 90680
(714) 894-1988

CUSTOMER ORDER NO.	PHONE	DATE
		06/17/25

NAME: Remedial Transportation Services

ADDRESS: H.B.C.

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
I		✓				1496

QTY.	DESCRIPTION	PRICE	AMOUNT
1	Sem:	x P96	341
1	Sem:	x P96	341
1	Sem:	w P66	551
1	Sem: (Rebar)	x P96	341
1	Sem:	w P66	551
		TAX	
		TOTAL	$2,140

RECEIVED BY

All claims and returned goods
MUST be accompanied by this bill.

Thank You

27070

Scanned with CamScanner

EWLES MATERIALS

Div. of John B. Ewles, Inc.
P.O. Box 578
STANTON, CALIFORNIA 90680
(714) 894-1988

CUSTOMER ORDER NO.	PHONE	DATE
		6/19/25

NAME: Remedial Transportation Services

ADDRESS: H.B.C.

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
I		✓				1497

QTY.	DESCRIPTION	PRICE	AMOUNT
1	Semi (Reber)	WPGG551	
1	Semi	WPGG551	
1	Semi (Reber)	9F90554	
1	Semi	WPGG551	
1	Semi (Reber)	9F90554	
1	Semi	WPGG551	
		TAX	
		TOTAL	$2,640.00

RECEIVED BY

All claims and returned goods
MUST be accompanied by this bill.

Thank You

27087

Scanned with CamScanner

Huntington Beach Demolition - Non-RCRA Waste Disposal Tonnage Report (June 2025)

Date	Profile #	Manifest	Ticket #	Material	Facility	Carrier	Vehicle	Material Quantity	Material Unit
6/19/2025	CA626172	026173702JJK	121801	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000124479	G1414	20.58	TON
6/19/2025	CA626172	026173703JJK	121803	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000354340	G1834	21.24	TON
6/19/2025	CA626172	026173705JJK	121804	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000390518	G2267	21.94	TON
6/19/2025	CA626172	026173708JJK	121808	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000197210	G1036	21.95	TON
6/19/2025	CA626172	026173706JJK	121805	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000183491	G348	22.16	TON
6/19/2025	CA626172	026173707JJK	121807	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR00045880	G454	21.67	TON
6/19/2025	CA626172	026173710JJK	121810	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000263400	G402	22.75	TON
6/19/2025	CA626172	026173704JJK	121811	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000310789	G2302	22.54	TON
6/19/2025	CA626172	026173709JJK	121812	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000321323	G729	23.78	TON
6/19/2025	CA626172	026173711JJK	121823	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000181560	G144	21.58	TON
							Subtotal	**220.19**	**TON**
6/20/2025	CA626172	026173713JJK	121866	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000181560	G144	21.14	TON
6/20/2025	CA626172	026173712JJK	121870	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000124479	G1414	19.79	TON
6/20/2025	CA626172	026173714JJK	121875	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000354340	G1834	19.96	TON
6/20/2025	CA626172	026173716JJK	121876	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000196642	G304	25.32	TON
6/20/2025	CA626172	026173715JJK	121877	Calif Haz Waste - Disposal	CWM Kettleman Hills Landfill	CAR000269571	G1234	28.2	TON
							Subtotal	**114.41**	**TON**
							Total	**334.6**	**TON**

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA6981446807	1	(661) 726-1121	026173945 JJK

GENERATOR

5. Generator's Name and Mailing Address
SOCAL HOLDING LLC
1 World Trade Center, Suite 1500
Long Beach, CA 90831
Generator's Phone: (714) 764-2261

Generator's Site Address (if different than mailing address)
SOCAL Holding LLC - Huntington
20301 Goldenwest St.
Huntington Beach, CA 92648

6. Transporter 1 Company Name
[illegible]
U.S. EPA ID Number
CAR000181760

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: (559) 386-9711
U.S. EPA ID Number
CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ, UN3077, Environmental Hazardous Substance, Solid, N.O.S., 9, PG III	003	DT	0065	Y	331		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Profile #: CA626173

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Scott Eckhart — Signature — Month — Day — Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

engine 2336

TIME	DATE	WEIGHT (LB)
GROSS: 14:34	07/24/25	40780lbs
TARE: 15:08	07-24-25	25820lbs
NET: 14960		LB

COMMODITY: HAZARDOUS WASTE

DEPUTY WEIGHTMASTER

YARDAGE: 16

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 310086

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE	SAMPLE TIME
SOCAL HOUDING	026173945JJK	CAE70172	G1330 JUL 24 14:30

TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #	DRIVER
5802443			977114	Uriel

SAMPLE #	NO SAMPLE PER WAP # (CIRCLE ONE)	TRANSPORTER
	1 2 3 4 5 6 7 8 9 10	RTS

MANDATORY ANALYSIS

PHYSICAL STATE	SOLID	LIQUID	
APPEARANCE			
pH			
WATER MIX	Δ T	°F	SOL
FLAM POTENTIAL	NEG	POS	
CN^- SCREEN	NEG	POS	PPM
$S^=$ SCREEN	NEG	POS	PPM
OXIDIZER SCREEN	NEG	POS	
RAD. SCREEN	BKGD	POS	
ANALYST			

SUPPLEMENTAL ANALYSIS

PAINT FILTER TEST	N/A	PASS	FAIL
VISIBLE OIL	NEG	POS	
PERCENT SOLID			
DENSITY		LB/G	
CALCULATED QTY			
LWCT	Δ T	°F	
SET	Δ T	°F	
> 50% DEBRIS	YES	NO	
> 60 mm	YES	NO	
< 6.75 ft.	YES	NO	
CAN MAJORITY OF WASTE BE COATED ON ALL SIDES?	YES	NO	
	INIT		

WASHOUT METER

FINISH

START

GALLONS USED

MULTIPLE LOAD #

SEE MANIFEST

PROFILE EXPIRATION 6/26

TREATMENT CODE 3C UNIT B18

TIME OUT 1443

REC. TECH. AP

