RESPONSE PLAN COMPLETION REPORT
1548 Maple Street Development
Redwood City, California

Prepared For:

San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612

Prepared On Behalf Of:

1548 Maple Street, LLC

Prepared By:

Langan Engineering and Environmental Services, Inc.
135 Main Street, Suite 1500
San Francisco, California 94105

Dustyne Sutherland
Senior Project Scientist

PROFESSIONAL GEOLOGIST
DORINDA SHIPMAN
NO. 215
CERTIFIED HYDROGEOLOGIST
Exp. 12/31/2021
STATE OF CALIFORNIA

orinda Shipman, PG, CHG
Principal/Vice President

22 December 2020
731685405

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Ms. Kimberlee West
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612
Kimberlee.West@Waterboards.ca.gov

Subject: **Response Plan Completion Report**
1548 Maple Street Development
Redwood City, California
Langan Project No. 731685405

Dear Ms. West:

Langan Engineering and Environmental Services (Langan) is pleased to submit this Response Plan Action Completion Report (Completion Report) for the 1548 Maple Street Development project located at 1548 Maple Street in Redwood City, California (site). This Completion Report documents engine repair area sampling, impacted soil excavation, confirmation sampling, soil import backfill, soil and groundwater disposal activities, soil vapor confirmation sampling, updated soil vapor risk assessment calculations and evaluation, and soil vapor methane sampling completed at the site. This Completion Report is submitted for review, approval and issuance of the Certification of Completion and future No Further Action designation for the site.

If you have any questions or need any information clarified, please call Dustyne Sutherland at (415)-955-5283.

Sincerely yours,
Langan Engineering and Environmental Services, Inc.

Dustyne Sutherland
Senior Project Scientist

Dorinda Shipman, PG, CHG
Principal/Vice President

cc: Matt Edwards, Edwards Development & Advisors
David Kingery, The Carlyle Group

135 Main Street, Suite 1500 San Francisco, CA 94105 T: 415.955.5200 F: 415.955.5201 www.langan.com
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Redwood City, California

EXECUTIVE SUMMARY

This Response Plan Completion Report (Completion Report) describes the Response Plan actions implemented prior to construction of the 1548 Maple Street Development in Redwood City, California (site; Figure 1). The Response Plan actions are documented in Langan's *Final Response Plan* (2018) which was approved by the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) on 11 May 2018 (Appendix A). The purpose of this Completion Report is to document the completion of Response Plan actions and present a summary of site conditions, impacted soil excavation, confirmation soil sampling results, soil import backfill, soil and groundwater disposal activities, soil vapor confirmation sampling results and soil and groundwater management activities completed at the site. The Completion Report also presents an updated soil vapor risk evaluation, and 2020 soil vapor methane results and conclusions.

Response Plan criteria were defined as follows:

- Soil
  - 100 milligrams per kilogram (mg/kg) for combined total petroleum hydrocarbons (TPH), defined as the sum of TPH as gasoline (TPHg) and TPH as diesel (TPHd) concentrations
  - 80 mg/kg for lead
- Soil Vapor
  - 2016 San Francisco Bay Regional Water Quality Control Board Residential subslab/soil gas vapor intrusion human health risk environmental screening levels (ESLs).[1]

Remedial excavation removed soils with combined TPH and/or lead greater than Response Plan criteria to six feet below ground surface (bgs) within the bioattenuation zone, the vertical extent required by the Response Plan, as confirmed by soil confirmation sampling. During excavation,

[1] Langan provided and discussed the August 2020 soil vapor sampling results, 2016 ESL comparison and updated risk calculations with the Regional Water Board on 9 November 2020 and received verbal approval from them on the updated risk calculations.

unexpected and heavily degraded free-phase petroleum was encountered in and around Excavation Area E. Excavation Area E was extended laterally until confirmation soil samples returned combined TPH less than 100 mg/kg, and vertically until soil samples returned combined TPH less than 100 mg/kg and/or the maximum vertical excavation extension of one foot into the groundwater table, or approximately six feet bgs, as documented in the Response Plan.

Material was imported to the site to backfill the excavation areas, raise site grade to provide sea level rise mitigation, and for use as ground improvement surcharge at the future building pads. Imported material adhered to the import sampling and data criteria documented in the Response Plan.

Volatile organic compound (VOC) soil vapor confirmation sampling was completed in 2020 six months after final placement of surcharge at six sample locations. The four resampled locations did not report compounds in soil vapor greater than the Response Plan criteria. One of the two newly sampled locations reported a concentration of vinyl chloride which exceeded the Response Plan criteria; however, as discussed below, the updated risk calculations indicated no unacceptable health risk to future residents.

Previous soil vapor risk calculations were updated to consider the 2020 soil vapor confirmation sampling results, including the concentration of vinyl chloride at one of the two newly sampled locations that exceeded the Response Plan criteria. The data collected at the four resampled locations did not exceed Response Plan criteria and therefore risk calculations did not need to be performed on that confirmation data. Removal of the four resampled soil vapor locations from the risk calculations eliminated the incremental lifetime cancer risk (ILCR) and hazard indices (HI) in exceedance of the respective allowable risk threshold of 1E-05 and 1 when half of the value of a laboratory reporting limit which exceeds the Response Plan criteria is used. VOCs in the soil vapor at the site do not pose an unacceptable risk to future residential receptors based on the updated risk calculations[1]. [

Based on the discovery of the degraded petroleum hydrocarbons during response plan excavations, soil vapor sampling was completed in November 2020 to obtain updated methane levels in soil gas following remedial excavation and backfill activities to verify that the degraded free-phase petroleum removed from the site had not left a source of methane gas. Pressure was also measured to determine whether pressures that could drive upward migration were present. Soil vapor samples were collected at depths which correlated to approximately five feet below future building pad elevations. Methane concentrations in soil vapor were observed to have decreased from levels prior to excavation and ranged from not detected at 0.10 percent by

volume (%v) to 36.4%v. Oxygen was detected in all 17 samples at concentrations ranging from 8.31%v to 24.3%v. In general, methane concentrations in soil vapor decreased significantly between 2016/2017 and 2020. The observed decrease in methane concentrations can be attributed to demolition of site features including buildings and pavement, excavation activities removing TPH in bioattenuation zone soil and increasing oxygen within the subsurface. Thus, TPH is no longer a potential source for methane generation. It is our opinion that the methane concentrations greater than half of the lower explosive limit (LEL) observed at two locations near Redwood Creek in November 2020 are naturally occurring from bayshore organics and the degradation of wooden debris in the subsurface, and is not generated by the degradation of petroleum hydrocarbons in the soil. Oxygen was present at 8.31%v or greater across the site which supports enhanced methanotroph (bacteria and other organisms) growth, which effectively consume methane; thus, methane at these two locations will degrade further in the future. During a phone call on 2 December 2020, Ms. Kimberlee West and Ms. Elizabeth Wells of the Regional Water Board confirmed preliminary approval and agreement with the methane assessment.

Completion of remedial excavation and backfill created soil and soil vapor conditions that satisfy the State Water Resources Control Board [State Water Board (2012) Low-Threat Underground Storage Tank Case Closure Policy (LTCP) Scenarios 3 and 4]. Combined TPH in the top six feet of native soil is now less than 100 mg/kg, oxygen in soil vapor is consistently greater than 4%v across the entire site, benzene in groundwater is far less than 1,000 micrograms per liter (µg/L), and import material will raise site grade by approximately five feet therefore expanding the bioattenuation zone available for natural breakdown and attenuation of petroleum fuel related compounds in the subsurface. Creation of the satisfactory bioattenuation zone also allows for application of residential soil vapor screening criteria for benzene, ethylbenzene, and naphthalene that are three to four orders of magnitude greater than 2016 San Francisco Bay Regional Water Quality Control Board (Regional Water Board) environmental screening levels (ESLs).

Langan also reviewed the site conditions following Response Plan actions relative to the San Francisco Bay Regional Water Board Assessment Tool for Closure of Low-Threat Chlorinated Solvent Sites (LTCS). Soil and groundwater analytical results for the site indicate that a vinyl chloride or chlorinated VOC (CVOC) groundwater plume or soil source is not present. Soil vapor risk calculations confirm that the seven detected concentrations of vinyl chloride, including three concentrations in exceedance of the Response Plan criteria, do not present an unacceptable risk to future residential receptors. Remedial excavations removed soil at the locations where soil vapor samples had the highest nondetect reporting limit or detected concentration of vinyl

chloride prior to excavation. Confirmation soil vapor samples at the same locations following excavation and placement of imported backfill reported vinyl chloride below the Response Plan criteria or it was not detected. 15 CVOCs were also detected in 20 soil vapor samples below Response Plan criteria. Remedial excavations also removed soil at three soil vapor locations where CVOCs other than vinyl chloride were detected below Response Plan criteria. Additionally, oxygen present in the subsurface and impacted soil removal and backfill creates increased aerobic conditions that facilitate biodegradation of other lightly chlorinated compounds (e.g. chlorobenzene, dichlorobenzene, and vinyl chloride) detected in soil vapor samples. Therefore, engineering or institutional controls overseen by the Regional Water Board are not required to mitigate residual VOCs in the soil vapor.

On the basis of the above described sampling and removal activities, and data evaluation, no further remedial action is necessary for site soil, soil vapor, or groundwater, and a VMS is not recommended for the site. We request the Regional Water Board grant a Certificate of Completion.

1.0 INTRODUCTION

This Response Plan Completion Report (Completion Report), prepared on behalf of 1548 Maple Street, LLC, describes the Response Plan actions implemented as part of the development of the 1548 Maple Street Development in Redwood City, California (site, Figure 1). The *Final Response Plan, 1548 Maple Street Development, Redwood City, California* (Response Plan) prepared by Langan Engineering and Environmental Services, Inc. (Langan), dated 5 April 2018 complies with provisions in 1548 Maple Street LLC's California Land Reuse and Revitalization Act (CLRRA) Agreement with the Regional Water Quality Control Board (Regional Water Board) dated 12 January 2018. The Response Plan summarized the lead and petroleum hydrocarbon impacted soils and volatile organic compounds (VOCs) and methane in soil vapor at the site, and defines the Response Plan objectives, areas requiring Response Plan action, and the proposed remedial actions implemented to achieve regulatory case closure. The Response Plan was approved by the Regional Water Board in their letter dated 11 May 2018 (Appendix A).

The purpose of this Completion Report is to document the Response Plan actions and present a summary of site conditions, impacted soil excavation, confirmation soil sampling results, soil import backfill, soil and groundwater disposal activities, soil vapor confirmation sampling results, and soil and groundwater management activities. The Completion Report also presents updated soil vapor risk calculations using the results of the August 2020 soil vapor confirmation sampling and presents the basis for no further action at the site. Additionally, this report documents that residual soil and soil vapor concentrations left in-place after the completion of Response Plan actions were detected at concentrations below Response Plan criteria, with the exception of vinyl chloride in soil vapor, within the bioattenuation zone or are the result of naturally occurring processes. Risk calculations completed on vinyl chloride concentrations in soil vapor greater than Response Plan criteria confirm that the concentrations do not present an unacceptable risk to future residential receptors; as a result, no further actions related to soil or soil vapor are necessary for the site.

This Completion Report is submitted to the Regional Water Board for approval and issuance of the Certification of Completion and No Further Action designation for the site.

1.1 Response Plan Objectives

The Response Plan presented an analysis of data to support appropriate action necessary to allow unrestricted residential use at the site. The remedial action objectives (RAOs) were to:

- Protect human health by eliminating potentially complete pathways for inhalation of soil vapor impacted by VOCs to concentrations below the Regional Water Board's 2016 Residential vapor intrusion Environmental Screening Levels (2016 VI residential ESLs)[2];

- Remove lead-impacted soil in isolated areas to concentrations below the Regional Water Board's 2016 residential Direct Exposure (2016 residential ESL) of 80 milligrams per kilogram (mg/kg) (Lead Response Plan Criteria); and,

- Remove soil impacted by combined total petroleum hydrocarbons (TPH), defined as the sum of the concentrations of TPH as gasoline (TPHg) and TPH as diesel (TPHd) greater than 100 mg/kg (TPH Low Threat Closure Criteria- [LTCC]) as required for establishing a bioattenuation zone of five feet below future building slabs per the Low-Threat Underground Storage Tank Case Closure Policy (LTCP; State Water Resources Control Board, 2012).

1.2 Response Plan Actions

The Response Plan actions completed includes the following:

- Collected soil samples from the Engine Repair Area
- Excavated soil impacted by lead greater than the residential ESL or Response Plan criteria of 80 mg/kg
- Excavated soil impacted by combined TPHg and TPHd above the LTCC and Response Plan criteria of 100 mg/kg to establish a bioattentuation zone per LTCP
- Collected confirmation soil samples
- Backfilled excavations with clean imported fill
- Collected soil vapor confirmation samples at six locations
- Recalculated soil vapor risk and evaluated the need for a vapor mitigation system (VMS)
- Prepared this Response Plan Completion Report for Regional Water Board review and approval.

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[2] Langan provided and discussed the August 2020 soil vapor sampling results, 2016 ESL comparison and updated risk calculations with the Regional Water Board on 9 November 2020 and received verbal approval on the updated risk calculations.

2.0 BACKGROUND

2.1 Site Description

The approximately 7.88 acre site is located adjacent to Redwood Creek, which flows into San Francisco Bay in Redwood City, California, within San Mateo County (Figure 1). The site is bound by Redwood Creek to the northwest, Maple Street to the southeast, and the Bayshore Freeway (Highway 101) to the southwest. The surrounding area is a partially developed mixed-use commercial and residential area of Redwood City. The undeveloped portions consist of areas such as the Bair Island State Marine Park that run along the western shore of the San Francisco Bay to the north of the property.

The site was formerly occupied by the Docktown Marina. The Docktown Marina was comprised of dock slips rented out for floating residences and boats moored along Redwood Creek, and formerly contained multiple structures used for storage, maintenance, and marina operations. The site was also occupied by the Peninsula Yacht Club, which hosted events for club members such as meals and communal gatherings.

Paved areas used for parking, boat repair, and boat storage surrounded the former buildings. According to the ENGEO Phase I Environmental Site Assessment (ESA) completed in 2007, the site was initially developed as part of a leather goods tannery. S.H. Frank Tannery Company was in operation on a portion of the site from approximately 1890 to 1960. Buildings were evident on historical aerial photographs and topographic maps in the southwestern portion of the property, with visible drainage channels flowing northwest through the property to Redwood Creek (Figure 2). The Peninsula Yacht Club used one of the former tannery buildings for club member events.

ENGEO's 2012 Phase I ESA notes that the site became bifurcated from the Tannery's main site by easement for the Bayshore Freeway (Highway 101) project in the late 1930s. When the Bayshore Freeway was widened and completed in the late 1940s, several tan bark storage sheds that shared a footprint with the site and the freeway project's thoroughfare were demolished and removed.

The site is situated along the margin of historical marsh and slough areas present on the shores of the Bay; however over the past 50 to 100 years many of these areas have been subject to dredging and filling by reclamation operations.

Two underground storage tanks (USTs) each with approximately 2,000-gallon capacity were abandoned in-place near the existing boat-ramp in the northeast corner of the property under fire marshal observation in the mid-1970s; fuel dispenser and vent tubes may remain (Figure 2). Docktown Marina is listed on the Regional Water Board's Geotracker website as a leaking underground storage tank (LUST) cleanup case closed as of 27 September 1990. Releases of petroleum hydrocarbons are commonly associated with UST use; however, soil sampling completed by Langan in 2016 adjacent to the abandoned USTs indicated that petroleum hydrocarbon related compound concentrations were not detected above 2016 Regional Water Board residential ESLs or Response Plan criteria.

Langan's Phase I ESA dated 8 June 2018 identified an area in the central portion of the site (Figure 2) that was reportedly used for engine repair from approximately 1980 to 2012 (WEST, 2011). Review of aerial photographs showed this area had been used for vehicle and boat storage. Although the majority of the site had been paved for most of the site's history, there was a potential for shallow soil to be impacted with petroleum hydrocarbons from historical activities.

2.2 Site Redevelopment

The development plans currently include the construction of 20 two-story multi-unit residential buildings across the site (Figure 3). Each unit includes an at-grade parking garage. New private roadways will be constructed to connect each residential unit to existing Maple Street. Each building pad is undergoing soil surcharge prior to the erection of the building in addition to raising the site grade to mitigate future sea level rise.

2.3 Pre-Excavation Site Conditions

The Response Plan identified Excavation Areas A through F, where remedial excavation would be required to remove soil with lead greater than the residential ESL or TPH greater than the LTCC. Total lead exceeded the lead Response Plan criteria at 10 locations: GP-7, W-8, B10, B-11, B-12, B-14, B-25, B-26, B-27 and B-28 (Figure 3). The risk-based screening level for soil direct-exposure to lead is 80 mg/kg for residential land use, corresponding to a target child blood lead level of 1 micrograms per deciliter (µg/dL). This level was derived using a model developed by California's Office of Environmental Health Hazard Assessment (OEHHA). Remediation was recommended at these locations to remove soil with lead concentrations greater than the residential ESL of 80 mg/kg.

Soil sampling locations B-29 at 5 feet below ground surface (bgs), W-2 at 2 feet bgs, and GP-7 at 3.5 feet bgs had detected TPH concentrations above the LTCC of 100 mg/kg and were co-located with elevated soil gas concentrations (Figure 3). Consequently, it was recommended that soil containing combined TPH above the LTCC be removed.

Soil vapor VOC sample results from four locations, B-3, B-19, B-20 and B-41 (Figure 3) contributed to unacceptable incremental lifetime cancer risk (ILCR) and/or Hazard Indices (HI) greater than 1. As authorized by the Response Plan, at locations where the nondetect reporting limits exceeded a Response Plan soil vapor criteria, the estimated ILCR was conservatively calculated using half of the laboratory reporting limit. The detections of chlorobenzene in soil vapor contributed to unacceptable HIs. Oxygen present in the subsurface combined with excavation of impacted soil and backfill was selected as the Response Plan action to increase aerobic conditions and facilitate biodegradation of the lightly chlorinated compounds such as chlorobenzene, dichlorobenzene, and vinyl chloride. (Tillman and Weaver, 2005). Additionally, there were limited locations where vadose zone soil TPH concentrations exceeded the LTCC and limited locations with lead above the residential ESL (Figure 3); therefore, excavation was chosen as the preferred response action.

3.0 RESPONSE PLAN ACTIONS

Prior to the commencement of work, a Health and Plan (HASP) for the Response Plan actions was prepared by the general contractor and by Langan for their respective employees to comply with Occupational Safety and Health Administration (OSHA) Standard 29 Code of Federal Regulations (CFR) 1910.120(b)(4), Hazardous Waste Operations and Emergency Response which addressed the anticipated activities associated with implementing the Response Plan actions.

The general contractor for the site is Edwards Development & Advisors of Sisters, Oregon. The excavation subcontractor for the soil removal and disposal was A&B Construction (A&B) of Berkeley, California. The general contractor and excavation subcontractor were responsible for their own HASPs.

Langan was the environmental consultant responsible for excavation observation, confirmation soil sampling, environmental review of soil import, confirmation soil vapor sampling, and soil vapor risk calculation updates.

3.1 Engine Repair Area Soil Sampling

In a 2011 WEST data submittal, an area in the central portion of the site was identified as an Engine Repair area (Figure 2). Staining was observed in the area in Google Earth aerial photographs between 2005 and 2013. The first Response Plan action was collection of soil samples from five borings within the Engine Repair Area as presented on Figure 4 to determine if soils were impacted by combined TPH greater than the LTCC which would require excavation.

In November 2018, five borings, B-55 through B-59, were advanced by Langan to five feet bgs within the Engine Repair Area via hand auger methods (Figure 4). Two samples were collected from each boring at 1.5 and 4.5 feet bgs for a total of 10 samples. Field activities were conducted in accordance with the *Sampling and Analysis Plan for Soil and Soil Vapor Sampling* (SAP; Langan, 2017). Classification of soil, photoionization detector (PID) readings, and visual observations were documented on field boring logs (Appendix B1). Soil samples were analyzed for TPHg, TPHd and TPH as motor oil (TPHmo), and VOCs. Soil analytical results are summarized in Tables 1 and 2, and laboratory analytical reports are presented in Appendix C.

3.1.1 TPH Results

TPH analytical results are presented in Table 1. TPHg was detected above the laboratory reporting limit in five of 10 samples at concentrations ranging from not detected above the laboratory reporting limit of 1 mg/kg to 150 mg/kg. TPHd was detected above the laboratory reporting limit in all 10 samples at concentrations ranging from 3 mg/kg to 310 mg/kg. TPHmo was detected above the laboratory reporting in all 10 samples at concentrations ranging from 20 mg/kg to 970 mg/kg. Samples B-55-4.5 and B-59-1.5 exceeded the TPH LTCC of 100 mg/kg.

3.1.2 VOC Results

VOC analytical results are presented in Table 2. VOCs detected in soil above laboratory reporting limits were ethylbenzene, n-butyl benzene, sec-butyl benzene, chlorobenzene, 1,4-dichlorobenzene, naphthalene, trichloroethene, and 1,2,4-trimethylbenzene. Ethylbenzene and chlorobenzene exceeded the Regional Water Board's 2016 Leaching to Groundwater ESL in sample B-55-4.5. All other detected concentrations were below the 2016 Leaching to Groundwater ESLs.

3.1.3 Excavation Area Additions

Areas G and H required excavation at borings B-55 and B-59, respectively, to remove soil with combined TPH concentrations greater than the Response Plan criteria (Figure 5). Horizontal

excavation boundaries were from the edges of the Engine Repair area and the midpoint between the boring with soil concentrations above the TPH LTCC and the nearest boring with soil concentrations below the TPH LTCC. Vertical excavation boundaries were the midpoint between the nearest clean sample in the same boring, or to a maximum depth of one foot into the groundwater table (6 feet bgs).

3.2 Lead and Petroleum Hydrocarbon Soil Removal

Soil excavation, stockpiling and disposal activities were completed by A&B using track excavators under periodic observation by Langan and in accordance with procedures outlined in the Response Plan. Prior to commencement of soil removal activities, excavation area dimensions were surveyed and marked by a State licensed surveyor. Langan confirmed the excavation area dimensions in the field prior to excavation with a Trimble Global Positioning System (GPS) unit with an approximate accuracy of three feet. Excavation activities to remove soil impacted by lead greater than 80 mg/kg and the TPH LTCC began in January 2019 and were completed in August 2019.

The lateral and vertical excavation extents were dependent on the observed interval of impacted soil and confirmation sample results below the lead Response Plan criteria or TPH LTCC. Excavation area depths were confirmed by Langan using a standard tape measure. Excavated materials were classified as Class I non-Resource Conservation and Recovery Act (RCRA) hazardous material and Class II non-hazardous material based on waste characterization sampling.

Contaminated soil was either temporarily stockpiled on plastic sheeting and covered, or directly loaded into trucks for offsite disposal. Waste classification and tonnage summaries are provided in Section 4.0 and includes the soil excavated as discussed above and in Section 3.2.1, 3.2.2, and 3.2.3. Waste disposal volumes are summarized in Section 4.0 and documentation is presented in Appendix D.

3.2.1 Additional Excavation

Because visually petroleum-impacted soil was observed at five feet bgs in Excavation Areas B and D, Langan requested A&B to over excavate the bottom of these excavation areas an additional 0.5 and 0.25 feet for a total depth of 5.5 and 5.25 feet bgs, respectively, prior to collection of bottom confirmation samples (Figure 5).

Sidewall and excavation bottom confirmation samples in Excavation Areas A, B, C, D, E, F, G, and Sub Areas A1 and A2 had lead and/or LTCC TPH concentrations greater than the Response Plan criteria. In accordance with the Response Plan, A&B over excavated sidewall confirmation sample locations an additional one foot into the sidewall by six feet wide laterally, and extended vertically from ground surface to the total depth of the excavation area. In accordance with the Response Plan, if the results of excavation bottom samples exceeded either the lead Response Plan criteria or the TPH LTCC, over excavation was extended vertically one foot in a two by two foot area or until the excavation extended to one foot into the water table, to a maximum depth of six feet bgs. A Langan representative collected new sidewall and bottom confirmation samples as needed until sample results met Response Plan criteria. Confirmation sampling results are presented in Section 3.3.3.

3.2.2 Unexpected Debris Intervals

An interval of unexpected miscellaneous debris mixed with soil was encountered at approximately two to four feet bgs in the north quadrant of the original Excavation Area E footprint. This interval was within the soil layer assumed to be free of impacts based on previous sampling results (zero to four feet bgs). In accordance with the Response Plan contingency procedures, A&B notified Langan and stopped excavation in this area. Langan visited the site and determined the material could be excavated and stockpiled separately on top of water impermeable sheeting to allow excavation to continue. The resulting debris stockpile was approximately 25 cubic yards (cy). A four-point composite sample was collected and analyzed from the stockpile for waste profiling. Both lead and TPH were detected below the residential ESL and the TPH LTCC, respectively. The debris stockpile was disposed as Class II non-hazardous material at the Potrero Hills Landfill, a licensed waste disposal facility.

Isolated pockets of apparent leather scrap material and other debris were found across Excavation Area E and the over excavation area (Figure 5), likely dumped from the former S.H. Frank Tannery Company operations. The project geotechnical engineer, ENGEO, requested removal of this material. These debris pockets were encountered between four and six feet bgs. This debris material was disposed of as Class II non-hazardous material at the Potrero Hills Landfill.

3.2.3 Unexpected Free-Phase Petroleum Product

Unexpected free-phase heavily degraded petroleum product was observed between four to five feet bgs on the northwest and southeast sidewalls and the bottom of Excavation Area E upon completion of the original excavation footprint (Appendix E). Langan was on site during the

discovery and initiated the appropriate Response Plan contingency procedures including placement of absorbent materials and segregation of excavated soils impacted with the free-phase petroleum product. The free-phase petroleum product was a black sludge with no odor and was observed seeping from the sidewalls and excavation bottom An in-field PID reading of 5 parts per million (ppm) indicated a low organic vapor concentration associated with the degraded free-phase petroleum. A sample of the soil impacted with the degraded free-phase petroleum product (Area ENW 4.5) was analyzed for TPH, metals, VOCs and semi volatile organic compounds (SVOCs). The combined TPH concentration was detected above the LTCC of 100 mg/kg, and lead was detected below 80 mg/kg. Naphthalene was the only VOC detected at 1.5 mg/kg, and SVOC concentrations were below Regional Water Board 2019 residential ESLs. The material was disposed of as Class II non-hazardous material. Langan consulted with the Regional Water Board regarding the discovery of free-phase petroleum product and the next steps were discussed during a 19 June 2019 conference call.

During over excavation activities, automotive oil absorbent material and absorbent booms were placed in the excavation to limit migration of the free phase petroleum product. Soil stockpiles impacted with free-phase petroleum hydrocarbons were segregated, placed on top of and covered by impermeable plastic sheeting, and surrounded by absorbent booms prior to off haul.

During over excavation which extended to the northwest, a six foot section of four-inch diameter, old, degraded pipe was found at approximately 4 feet bgs that contained semi-solid petroleum product (Appendix E). The petroleum product seeping from the pipe was contained using oil absorbent. The pipe section was over excavated with the surrounding impacted soil and added to the free-phase petroleum product soil stockpile. The pipe and impacted soil was disposed off-site as Class II non-hazardous material at the Potrero Hills landfill.

The bottom of Excavation Area E was initially over excavated to approximately 9 feet bgs in areas where free-phase degraded petroleum product was observed in the southwestern portion. However, as Excavation Area E expanded laterally, the bottom was over excavated to a maximum depth of 7 feet bgs per the Response Plan requirement of over excavating bottom confirmation samples which exceeded the TPH LTCC to a maximum depth of six feet (one foot into the groundwater table).

Excavation Area E sidewalls were over excavated until free phase petroleum product was no longer observed, and sidewall confirmation sample results were detected below the TPH LTCC. Excavation Area E over excavation extended approximately 7,750 square feet beyond the original footprint (Figure 5). In accordance with the Response Plan sampling requirements 18 additional

sidewall samples and three additional bottom samples were collected from the over excavation of Area E. As discussed in Section 3.3. This degraded free-phase product, the leather debris, and pipe may have been associated with historical tannery operations.

3.3 Confirmation Sampling

Soil confirmation samples were collected by pushing a new 2-inch-diameter by 6-inch-long, stainless steel sample tube into the soil. The sample tube was sealed with Teflon sheeting, capped with plastic end caps, labeled, and placed on ice in an insulated container. Samples were delivered to McCampbell Analytical, Inc. in Pittsburg, California, a California-certified laboratory, under chain-of-custody protocol for analysis. Confirmation samples were analyzed for either total lead by EPA Method 6010 and/or TPHg and TPHd by EPA Method 8015.

Sample identification numbers refer to the Excavation Area, the sample type, the sequential soil sample number within that Excavation Area, and the sample depth. A letter was added to the end of the sample ID if a confirmation sample required over excavation and resampling. For example, sample Area A-B-1-5.0 refers to Excavation Area A, excavation bottom sample, location number one, depth of five feet bgs and indicates an original confirmation sample. Sample Area A-S-1-4.0A refers to Area A, excavation sidewall sample, location number one, depth of four feet bgs, and represents a resample collected after over excavation of the original confirmation sample which exceeded either the lead and/or TPH LTCC Response Plan criteria. If a bottom confirmation sample results exceeded Response Plan criteria, the sample ID would be the same as the shallow sample with the deeper depth. For example Area A-B-1-6.0 represents the deep sample collected from the same location as sample A-B-1-5.0. The soil confirmation samples were analyzed for TPHg, TPHd, and/or lead as indicated above.

Confirmation soil sampling results demonstrate that combined TPH and lead concentrations in bioattenuation zone soil meet the Response Plan criteria. Confirmation soil sample locations and results are presented in Figures 6 and 7, and Table 3, respectively. Sample results are discussed in this Section 3.3. Laboratory analytical reports for soil confirmation samples are presented in Appendix C.

3.3.1 Confirmation Bottom Samples

Confirmation samples were collected from the bottom of excavation areas at a rate of one sample for each 2,500 square feet, with a minimum of one bottom sample collected per excavation area. Samples were evenly spaced. Twenty-two confirmation samples were collected from the bottom of Excavation Areas A through H and Sub Areas A1 and A2 (Figures 6 and 7). Six bottom

samples were collected in response to sample results that exceeded the Response Plan criteria and the areas where over excavation was required from the observation of free phase petroleum product. Three bottom samples were collected from the expanded Excavation Area E.

3.3.2 Confirmation Sidewall Samples

In accordance with the Response Plan, sidewall confirmation samples were collected every 50 linear feet along the sidewalls of the combined Excavation Areas A through D, including Sub Areas A1 and A2, and every 25 linear feet in Excavation Areas E through H. Sidewall samples were collected from the same depth as the nearest original sample that exceeded the lead Response Plan criteria or TPH LTCC. Two sidewall samples were collected from Excavation Sub Areas A1 and A2 each due to Class II non-hazardous lead and Class I non-RCRA hazardous lead concentrations identified at two separate depths. Sixty-nine sidewall samples were collected from the sidewalls of Excavation Areas A through H and Sub Areas A1 and A2 (Figures 6 and 7). Seventeen sidewall samples were collected in response to samples exceeding Response Plan criteria (Figure 6 and 7).

A total of eighteen sidewall samples were collected from the expanded Excavation Area E excavation. Because of over excavation of free phase petroleum product in Area E and the presence of a concrete slab at the shoreline of Redwood Creek, some confirmation samples proposed in the Response Plan were not collected. The confirmation samples were collected from the outermost wall of the excavations (Figure 7)

The original northwestern and southeastern sidewalls of Excavation Area E were over excavated due to the presence of degraded free-phase petroleum product. Therefore, confirmation samples were not collected from the original northwestern and southeastern sidewalls (Figure 7). Degraded free-phase petroleum product was also observed following the collection of sidewall sample Area E-S-13-5.0 and additional over excavation was required.

The northwestern sidewall of Excavation Area F overlapped a concrete slab overhanging Redwood Creek and the southeastern sidewall of Excavation Area F overlapped the shallow pit discovered beneath the former Peninsula Yacht Club and the Excavation Area E expansion. Therefore, the sidewall confirmation samples could not be collected from the central portion of the northwestern sidewall or from the eastern-most sidewall (Figure 7).

3.3.3 Confirmation Sample Results

Confirmation sample analytical results are presented in Table 3. Confirmation sample locations are presented on Figures 6 and 7. Laboratory analytical reports are presented in Appendix C.

3.3.3.1 Excavation Area A – Non-hazardous Lead Excavation Area

Five sidewall and five bottom confirmation samples were collected from Excavation Area A. One bottom sample and one sidewall sample exceeded the lead criteria of 80 mg/kg and were subsequently over excavated and resampled. The results of the two additional confirmation samples were below the lead Response Plan criteria.

3.3.3.2 Excavation Sub Area A1 – Non-Hazardous and State of California Hazardous Lead Excavation Area

Six sidewall and two bottom confirmation samples were collected from Excavation Sub Area A1. One bottom sample exceeded the lead criteria of 80 mg/kg and was subsequently over excavated and resampled. The results of the bottom sample exceeded the Response Plan lead criteria of 80 mg/kg and was over excavated to a maximum depth of six feet bgs. Based on the excavation depth, the Response Plan did not require additional over excavation.

3.3.3.3 Excavation Sub Area A2 - Non-Hazardous and State of California Hazardous Lead Excavation Area

Four sidewall and two bottom confirmation samples were collected from Excavation Sub Area A2. One bottom sample exceeded the lead criteria of 80 mg/kg and was subsequently over excavated and resampled. The results of the bottom sample exceeded the Response Plan lead criteria and was over excavated to a maximum depth of six feet bgs. Based on the excavation depth, the Response Plan did not require additional over excavation.

3.3.3.4 Excavation Area B – TPH Excavation Area

Two sidewall and one bottom confirmation samples were collected from Excavation Area B. The sidewall sample was analyzed for lead and combined TPH because the location was adjacent to lead Excavation Area A where a sidewall had been removed. The sidewall sample exceeded the Response Plan lead and TPH LTCC and was subsequently over excavated and resampled. The second sidewall sample concentrations were reported below Response Plan criteria. The bottom confirmation sample results did not exceed the TPH LTCC.

3.3.3.5 Excavation Area C – TPH Excavation Area

Two sidewall and one bottom confirmation sample were collected from Excavation Area C. The sidewall sample was analyzed for lead and combined TPH. The sidewall sample exceeded the TPH LTCC criteria and was subsequently over excavated and resampled. The second sidewall sample concentrations were reported below the TPH LTCC. The bottom confirmation sample did not exceed the TPH LTCC.

3.3.3.6 Excavation Area D – TPH Excavation Area

One sidewall and two bottom confirmation samples were collected from Excavation Area D. The sidewall sample was analyzed for lead and combined TPH because the excavation area was adjacent to the removed sidewall of Excavation Area A. The bottom sample exceeded the TPH LTCC and was subsequently over excavated and resampled. The second bottom confirmation sample exceeded the TPH LTCC and was over excavated to a maximum depth of six feet bgs. Based on the excavation depth, the Response Plan did not require additional over excavation.

3.3.3.7 Excavation Area E – TPH Excavation Area

Thirty-three sidewall and four bottom confirmation samples were collected from Excavation Area E and the expanded Area E excavation (Figure 7). Eight sidewall sample locations exceeded the TPH LTCC and were subsequently over excavated and resampled. Six of the resampled sidewall samples had detected concentrations below the TPH LTCC. Sample location E-S-3-5.0 required over excavation and the collection of two more confirmation samples before concentrations were reported below the TPH LTCC. Sample location E-S-4-5.0 required over excavation of five more confirmation samples before concentrations were reported below the TPH LTCC.

3.3.3.8 Excavation Area F – State of California Hazardous Lead Excavation Area

Five sidewall and three bottom confirmation samples were collected from Excavation Area F. One bottom sample exceeded the lead Response Plan criteria and was subsequently over excavated and resampled. The second bottom confirmation sample was detected below the lead Response Plan criteria.

3.3.3.9 Excavation Area G – TPH Excavation Area

Seven sidewall and two bottom confirmation samples were collected from Excavation Area G. One bottom and one sidewall sample exceeded the TPH LTCC criteria and were subsequently

over excavated and resampled. The second bottom and sidewall confirmation sample results were below the TPH LTCC.

3.3.3.10 Excavation Area H – TPH Excavation Area

Four sidewall and one bottom confirmation samples were collected from Excavation Area H. No detections of the confirmation samples exceeded the TPH LTCC.

3.4 Soil Import Backfill

A&B completed backfilling the excavations to grade on 9 September 2019 with imported soil sourced from excavation projects in the San Francisco Bay Area that met import criteria presented in the Response Plan. The top four feet of soil from the original Excavation Area E footprint, excluding the unexpected debris interval discussed in Section 3.2.2, and the top three feet of soil from the Excavation Area G footprint were also used as backfill because prior soil analytical results were below Response Plan reuse criteria (Figure 5).

Langan reviewed analytical data for each potential soil import source to verify the material met the Response Plan import fill criteria. The criteria includes sampling frequency based on source area size, analytical requirements, composite sampling requirements, and import fill screening levels. Organochlorine pesticides (OCPs), chlorinated herbicides, and asbestos were analytical requirements for import source areas formerly used as agricultural land or known to contain serpentinite. Import fill data screening levels are presented on Table 4. Approximately 113,000 cubic yards has been approved as soil import backfill. To date, approximately 89,298 cubic yards of soil has been imported to the site for use as Excavation Area backfill and building pad surcharge. Soil import was obtained from the following Bay Area properties:

- Alameda Landing Waterfront, Alameda
- 2 Fleur Place, Atherton
- 83 Linda Vista Avenue, Atherton
- 311 South Mathilda Avenue, Sunnyvale
- University of California, Berkeley, Hastings, 333 Golden Gate Avenue, San Francisco
- 350 Sherman Avenue, Palo Alto
- 400 Paul Avenue, San Francisco
- 506 Santa Cruz Avenue, Menlo Park
- 520 Almanor Avenue, Sunnyvale
- 920 Bayswater Avenue, Burlingame
- 1107 Cowper Street, Palo Alto

- 2979 Waverly Street, Palo Alto
- Garfield Clubhouse Renovation, 26th and Harrison Street, San Francisco
- Masonic Homes Development, Union City

Appendix F includes the laboratory analytical reports and information packets for the accepted import material sources. Appendix G includes coordination and approval emails from the Regional Water Board, when discussion was warranted for sites where import data required statistical analysis or for sites with limited soluble metal concentration data.

3.5 Waste Disposal

3.5.1 Soil Disposal

A&B excavated approximately 12,176 tons of soil and 1,175 tons of brick debris. Based on information provided by A&B, soil and brick debris excavated was removed, transported, and disposed of as follows:

- Approximately 1,862 tons of Class I non-RCRA soil was removed, transported, and disposed of off-site at ECDC Environmental Landfill, a licensed waste disposal facility, in Easton Carbon, Utah.

- Approximately 10,313 tons of Class II non-hazardous soil and 1,175 tons of non-Class II brick debris material was removed, transported, and disposed of off-site at Potrero Hills Landfill, a licensed waste disposal facility, in Fairfield, California.

Hazardous waste manifests and non- hazardous bills of laden are included in Appendix D.

3.5.1.1 Additional Waste Profiling and Disposal

Excavation Area E was extended by the site's geotechnical consultant, ENGEO, due to the presence of refuse material including bottles, wood, and leather debris at approximately four feet bgs. Environmental sampling was not required in this area because no soil impacts were observed. Four-point composite samples were collected at a frequency of one for every 1,000 cubic yards at the request of the disposal facility to confirm the material was Class II non-hazardous waste. A total of five composite soil samples were collected and analyzed for TPHg, TPHd, TPHmo, VOCs, SVOCs, CAM 17 metals and soluble chromium and lead to verify the waste classification. None of the sample results exceeded State or Federal hazardous waste criteria. The material was disposed of off-site as Class II non-hazardous material at the Potrero Hills Landfill facility. Laboratory analytical reports are provided in Appendix C. Non-hazardous bills of laden are included in Appendix D.

3.5.2 Water Disposal and Reuse

Groundwater and accumulated rain water present within the Excavation Areas required removal prior to backfilling. Water was disposed of or reused as discussed below. Water sample data is summarized on Tables 5 and 6, and analytical laboratory reports are presented in Appendix C.

3.5.2.1 Water Disposal

Construction dewatering was needed to remove accumulated rainwater and groundwater from Excavation Areas A and D prior to the placement of subgrade rock and base fabric. The water was discharged to the City of Redwood City's sanitary sewer system under an approved Silicon Valley Clean Water (SVCW) and the City of Redwood City Non-Routine Discharge Permit dated 28 March 2019 (discharge permit). As required by the discharge permit, a water sample was collected on 21 February 2019 and analyzed for TPHg, TPHd, TPHmo, VOCs, SVOCs, polychlorinated biphenyls (PCBs), total CAM 17 metals, cyanide, flash point, specific conductivity, total suspended solids, phenolics, and field readings of pH and temperature were recorded in accordance with the SVCW discharge permit. Detected concentrations were below the SVCW Wastewater Strength Limitations. Results are summarized in Tables 5 and 6.

Per requirements outlined in the discharge permit, groundwater was held in baker tanks and discharged to the sanitary sewer system at a maximum flow rate of 32 gallons per minute (gpm), and a maximum discharge limit of 4,000 gallons per day. A flow totalizer and sample port was located downstream of the storage tanks to document the daily flow rate, total volume, and field recordings of salinity and electrical conductivity. Daily record logs were submitted weekly to the SVCW permit case worker. A total of 61,521 gallons were discharged to the sanitary sewer from Excavation Areas A through D, excluding Excavation Sub Areas A1 and A2. Laboratory analytical reports for the water sample are provided in Appendix C. Daily discharge and monitoring records, and a copy of the approved permit is presented in Appendix H.

Pooled groundwater from Excavation Sub Areas A1 and A2 was dewatered and held in a storage tank on site. One water sample was collected from the holding tank on 7 June 2019 and analyzed in accordance with the SVCW discharge permit. Benzene was detected above the SVCW Wastewater Strength Limitations and could not be discharged under the SVCW discharge permit (Table 5). The Sub Area A1 and A2 water was disposed of offsite at the appropriately permitted East Bay Municipal Utility District (EBMUD) wastewater treatment plant in Oakland, California. Disposal manifests are presented in Appendix D.

3.5.2.2 Onsite Water Reuse

Pooled water was encountered beneath the former Peninsula Yacht Club building and required dewatering and discharge. One water sample was collected from beneath the former building on 31 May 2019 and analyzed in accordance with the SVCW discharge permit. All detected concentrations were below the SVCW Wastewater Strength Limitations (Tables 5 and 6). The data were submitted to the Regional Water Board for consideration and approval as reuse for onsite dust control. The Regional Water Board approved the reuse of the Yacht Club water via email on 19 June 2019 as provided in Appendix G.

Pooled groundwater from expanded Excavation Area E was dewatered and held in a storage tank on site. One water sample was collected from the groundwater in the bottom of the excavation on 21 June 2019 and analyzed in accordance with the SVCW discharge permit (Tables 5 and 6). Chromium, copper, lead, nickel, and zinc concentrations were in exceedance of the SVCW Wastewater Strength Limitations (Table 6). The data were submitted to the Regional Water Board for consideration of reuse as onsite dust control. Because of elevated metal concentrations the Regional Water Board did not approve reuse. Appendix G. Due to a miscommunication, A&B discharged 1,000 gallons of the water on the asphalt paved area at the site. Four thousand gallons of water remained in the holding tank. A letter from A&B to Langan explaining the incident is provided in Appendix I and was provided to the Regional Water Board; no further action was required. The asphalt paved area has since been demolished and disposed of offsite at an appropriately licensed facility during site redevelopment preparation.

During a high tide, groundwater infiltrated and accumulated in the expanded Excavation Area E. Approximately six feet of water was pumped into two holding tanks on site, including the tank with the remaining 4,000 gallons of groundwater from Excavation Area E, discussed above. Langan collected one water sample from the holding tank that held the combined water on 3 July 2019 and analyzed it in accordance with the SVCW discharge permit. Detected concentrations were below the SVCW Wastewater Strength Limitations, and data was submitted to the Regional Water Board for approval to reuse for onsite dust control (Table 5 and 6). The Regional Water Board approved reuse via email on 9 July 2019 (Appendix G). A total of 101,000 gallons were removed from the expanded Excavation Area E and used for dust control on site.

3.5.3 Disposal of Other Media

The former Peninsula Yacht Club was situated on top of sunken wood piers. The wood piers were removed by A&B and disposed of as treated wood at the Altamont Landfill, a licensed

landfill disposal facility in Livermore, California. A copy of the disposal manifest is provided in Appendix D.

3.6 Confirmation Soil Vapor Sampling

In accordance with the Response Plan, six soil vapor confirmation samples were collected a minimum of six months following placement of imported fill in Excavation Areas A through D, G and H (Figure 8). Imported fill material placement in these excavation areas was completed on 9 September 2019. In August 2020, six months after placement of additional fill for geotechnical ground improvement, six borings were advanced to depths ranging from 15 to 17.25 feet bgs using direct-push drilling methods (Figure 8). Four soil vapor confirmation samples were collected from temporary soil vapor probes co-located with and at the same elevation as the four previous samples with an HI greater than one and/or an ICLR greater than 1E-05 (B-3, B-19, B-20, and B-41) using survey data from BKF Engineers. Two additional soil vapor samples were advanced to approximately 15 feet bgs within the Engine Repair Area (B-60 and B-61). The borings were advanced through 10 to 12 feet of import surcharge material, and were terminated in native material at approximate depths of four to five feet bgs below future building pads.

Field activities were conducted in accordance with the SAP (Langan, 2017). Classification of soil, PID readings, and visual observations are documented on field boring logs (Appendix B2).

3.6.1 Confirmation Soil Vapor Sampling Results

Soil vapor results are presented in Table 7 and Figure 8. Helium, the leak detection compound, was detected at 1.17 percent by volume (%v) in sample B-41 which represented a concentration of helium greater than the 5% allowed by the DTSC Active Soil Gas Advisory (2015). Soil vapor concentrations were adjusted for sample B-41 because helium was detected above 5% of the helium concentration measured inside the shroud during field sampling (Table 7).

Vinyl chloride was detected in sample B-61 at a concentration greater than the Response Plan criteria of 19.3 micrograms per cubic meter (µg/m^3). Methane was detected above the lower explosive limit of (LEL) 5%v in samples B-60 and B-61 at 8.34%v and 9.49%v, respectively. All other detected concentrations were below the Response Plan criteria.

3.7 Updated Soil Vapor Risk Calculations

The Regional Water Board has established Vapor Intrusion Risk ESLs for soil vapor/subslab vapor to account for potential human health risks from direct exposure to contaminated indoor air by adopting a target cancer risk of 1E-06 (one-in-one million) and a non-cancer hazard quotient (HQ)

of unity for individual chemicals. The one-in-one million target cancer risk is considered a negligible cancer risk when large populations might be exposed to a suspected carcinogen. In applying this de minimis risk concept in the derivation of the ESLs, the screening levels can be used to separate chemicals that require additional risk evaluation from negligible-risk chemicals that do not. Consistent with the application of the ESLs as conservative, risk-based screening levels (as opposed to a trigger for regulatory action), the ESL User's Guide (Regional Water Board, February 2016) instructs that cumulative risk for multiple chemicals be calculated when "more than one contaminant is present at concentrations greater than their respective ESLs."

For the evaluation of risk and hazards, the applied threshold for excess cancer risk is 1E-05 (one-in-one-hundred-thousand) and a HI (i.e., sum of all HQs) of less than or equal to 1 as stated in the Regional Water Board approved Response Plan. To account for additive risk when screening chemicals against the ESLs, this theoretical risk limit represents the total cancer risk associated with exposure to multiple carcinogens. The State of California has also established a risk level of 1E-05 for use in determining levels of chemicals and exposures that pose no significant risks of cancer under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). The National Contingency Plan has set an acceptable risk range between 1E-06 and1E-04 (one-in-ten-thousand) at hazardous waste sites regulated under the Superfund program. All ILCR calculated as described below fall within or below the EPA's cumulative risk management range of 1E-06 to 1E-04. No results exceed the upper bound of the range, i.e., 1E-04.

The Response Plan documented four soil vapor sample locations at which the ILCR and/or the HI were greater than the allowable threshold. The ILCR estimates were derived for data which exceeded the Response Plan criteria at each soil vapor sample location and were compared to a cumulative risk threshold value of 1E-05 (one-in-one-hundred-thousand) commonly applied by the Regional Water Board to determine the need for mitigation at each soil vapor location, as stated in the Response Plan. The non-cancer HI for data which exceeded the Response Plan Criteria at each soil vapor was compared to the threshold value of unity (1).

Confirmation soil vapor sampling results were used to update the risk calculated in the Response Plan as presented in Table 8 including the concentration of vinyl chloride at one of the two newly sampled locations that exceeded the Response Plan criteria. Confirmation soil vapor sample results from locations B-3, B-19, B-20 and B-41 replaced the 2016 and 2017 data in the risk table, and prior soil vapor sample results from locations that were excavated during activities described in Section 3.2 were removed from the risk table (SG-2, B-22, and B-54). Soil vapor concentrations for benzene, ethylbenzene, and naphthalene are below the LTCP residential soil vapor criteria in

the presence of a bioattenuation zone as defined in Section 5.3; as stated in the Response Plan, benzene, ethylbenzene, and naphthalene concentrations were not included in the risk table calculations.

As shown on Table 8, at locations where the nondetect reporting limits exceeded a Response Plan soil vapor criteria, the estimated ILCR was conservatively calculated using half of the laboratory reporting limit. Additionally, the confirmation soil vapor sample data eliminated the four soil vapor confirmation sample locations (B-3, B-19, B-20, and B-41) from the risk table because no detected or reporting limits of VOCs exceeded the Response Plan criteria. Sample location B-61 was the only confirmation soil vapor sample where a detected VOC concentration exceeded the Response Plan criteria. The calculated ILCR and HI at B-61 are below the allowable risk threshold of 1E-05 and 1, respectively. Sample B-43 ILCR is below 1E-05, within the allowable risk threshold. The slightly increased ILCR is attributable to the detection of 1,4-dichlorobenzene. As discussed in Section 5.3.2, oxygen present in the subsurface at greater than 4%v, remedial excavation, and placement of import backfill creates increased aerobic conditions that facilitate biodegradation of other lightly chlorinated compounds. In addition, the depth of the bioattenuation zone has increased by the placement of import fill to mitigate sea level rise.

The risk calculations were also completed considering the whole value of laboratory reporting limits which exceeded the Response Plan criteria for comprehensive risk assessment (Table 8). Utilizing the whole value of the reporting limit did not create ILCR or HI values greater than the risk threshold permitted under the Response Plan.

3.8 Vapor Mitigation Evaluation

Soil vapor confirmation samples collected six months after the placement of import fill and the updated risk evaluation confirmed that excavation activities undertaken increased oxygen flux into the subsurface and eliminated the presence of soil vapor sample locations with an HI or ILCR greater than the allowable risk thresholds. VOCs in the soil vapor do not pose an unacceptable risk to future residential receptors based on the risk calculations presented in Table 8 and the discussion above. A VMS system will not be required to mitigate residential exposure to VOCs in soil vapor.

4.0 NOVEMBER 2020 SOIL VAPOR METHANE INVESTIGATION

Soil vapor data collected prior to remedial excavation activities in 2016 and 2017 indicated that methane concentrations in soil vapor in exceedance of the 5% LEL ranging from 10.5%v to 64.1%v (Langan, 2016 and 2018). As discussed in Section 3.6.1, the confirmation soil vapor

results collected in August 2020 indicated that although methane has decreased or was present below 1%v at previous sampling locations B-3, B-19, B-20, and B-41, methane was present above 5%v LEL at the two new locations within the Engine Repair Area B-60 and B-61. Based on the observation of degraded petroleum product that was removed during soil excavation and to assess whether methane was generated by the degrading petroleum hydrocarbons, soil vapor samples were collected in November 2020 at locations where methane was previously present above 2.5%v or half the LEL. On 12, 13 and 16 November 2020, Pitcher Services, LLC. (Pitcher) of East Palo Alto, California, a C-57 licensed drilling company, advanced 17 borings using a direct push drilling methods to install temporary soil vapor probes as shown on Figure 9.

The November 2020 borings were advanced through import surcharge material, which generally increased the original grade. The temporary soil vapor probes were advanced through the surcharge material to elevations of five feet below the future building pads based on survey data provided by from BKF Engineers. The building pad at sample location B-78 was located within the truck access route. Current grade at B-78 sat at approximately five feet below future building pad elevation. Therefore, soil vapor probe B-78 was sampled at 2.5 feet bgs.

4.1 Soil Vapor Sampling

The 17 temporary soil vapor probes were installed and sampled in general accordance with the procedures as outlined in the SAP (Langan, 2017). Prior to purging the temporary probes, pressure was measured using a Dwyer Series 475 Mark III Digital Manometer with a range from 0 to 1.0 inch of water column (INWC) or a Dwyer Series 475 Mark II Digital Monometer with a range from 0 to 10 INWC.

Soil vapor samples were collected into 1-liter summa canisters, appropriately labeled, and delivered to K Prime Inc. of Santa Rosa, California. Soil vapor samples were collected using a helium shroud as discussed in Section 3.6.1. Ambient air samples were not collected. After the soil vapor sample was collected at each location, the temporary soil vapor probe and associated tubing was pulled out, sand and bentonite material was overdrilled, and the boring was backfilled with neat cement grout in accordance with Guidelines, Policies, and Procedures for Subsurface Environmental and Geotechnical Drilling in San Mateo County[3].

[3] https://www.smchealth.org/sites/main/files/file-attachments/drillingletter_0.pdf?1559759696

Soil vapor samples were analyzed for helium by ASTM D-1946 (M), methane, oxygen, carbon dioxide, and nitrogen by ASTM D-1946.

4.2 November 2020 Soil Vapor Analytical Results

Pressure measurements at the temporary soil vapor wells ranged from -0.003 INCW to 1.26 INCW which are typical of diurnal fluctuation and atmospheric pressure (Table 7). Pressure measurements indicate that the subsurface is not under substantial pressure that would drive upward migration.

The laboratory analytical results, including pressure measurements, are summarized in Table 7. Copies of the laboratory analytical reports are presented in Appendix C. Table 7 presents all soil vapor data collected at the site; however, only the November 2020 analytical results are discussed below. Previous soil vapor results are discussed in the 2018 Response Plan.

Gases were detected in the soil vapor samples in the following concentration ranges:

- Methane was detected in three of 17 samples at concentrations ranging from 1.61%v to 34.6%v
- Oxygen was detected in all 17 samples at concentrations ranging from 8.31%v to 24.3%v
- Carbon dioxide was detected in 12 of 17 samples at concentrations ranging from 0.105%v to 18.2%v
- Nitrogen was detected in all 17 samples at concentrations ranging from 38.2%v to 84.9%v.

Methane levels generally decreased at the majority of sample locations with the exception of sample locations B-66 and B-68. At these two locations, methane was detected at concentrations greater than half of the LEL of 2.5%v (Figure 10) but are not present an unacceptable risk as discussed in detail in Section 7.0.

5.0 LOW-THREAT UNDERGROUND STORAGE TANK CASE CLOSURE POLICY

The LTCP establishes statewide case closure criteria for low-threat petroleum underground storage tank (UST) sites (State Water Board, 2012). The LTCP is based on the natural breakdown and attenuation of petroleum fuels and associated petroleum compounds in a subsurface environment where specific bioattenuation zone characteristics are present.

The bioattenuation zone is defined as a continuous zone of soil between a soil vapor sample or the top of groundwater and the bottom of an existing or proposed building. The required depth

of the bioattenuation zone varies depending on the source and concentration of the contamination. Within the bioattenuation zone, concentrations of combined TPH (defined as the sum of the concentrations of TPHg and TPHd in individual samples) in soil must be less than 100 mg/kg, referred to as the LTCC.

The Response Plan documented the ways in which the site data did or would satisfy Scenario 3 and Scenario 4 of the LTCP following remediation excavation and redevelopment. The following sections discuss the LTCP Scenario 3 and Scenario 4 and presents how the site meets the case closure requirements of the LCTP. As requested by the Regional Water Board and as discussed in Section 6.0 because of chlorinated compound detections in soil gas, the site was also evaluated for case closure using the San Francisco Bay Regional Water Board Assessment Tool for Closure of Low-Threat Chlorinated Solvent Sites (LTCS). The combined Petroleum and Chlorinated Case Closure Summary is presented in Appendix J.

5.1 Scenario 3 – Dissolved Phase Benzene Concentrations in Groundwater with Oxygen Greater Than or Equal To 4%v

LTCP Scenario 3 outlines bioattenuation zone criteria requirements at sites where dissolved phase benzene concentrations in groundwater at five feet below the foundation of existing or potential buildings are less than 1,000 µg/L, and oxygen is present within the bioattenuation zone at 4%v or greater. For a site to be considered for closure under Scenario 3, the bioattenuation zone must:

- Be a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase benzene and the foundation of existing or potential buildings;
- Contain combined TPH less than the 100 mg/kg LTCC throughout the entire depth of the bioattenuation zone;
- Contain oxygen greater than or equal to 4%v measured at the bottom of the 5-foot zone; and
- Dissolved phase benzene concentrations in groundwater are less than 1,000 µg/L.

5.2 Scenario 4 – Direct Measurement of Soil Gas Concentrations with Satisfactory Bioattenuation Zone

Scenario 4 outlines bioattenuation zone criteria that, if met, allows for the use of soil vapor residential screening levels for benzene, ethylbenzene, and naphthalene that are three to four orders of magnitude higher than the Regional Water Board's 2016 Residential ESLs. The LTCP residential screening levels assume a 1,000-fold bioattenuation of petroleum vapors within the

five foot bioattenuation zone through adsorption, dispersion, dilution, volatilization, and biological degradation. The LTCP residential soil vapor screening levels are:

- Benzene: 85,000 µg/m^3
- Ethylbenzene: 1,100,000 µg/m^3
- Naphthalene: 93,000 µg/m^3.

In order to apply the LTCP residential screening levels, the bioattenuation zone must:

- Be a continuous zone of five vertical feet of soil between the soil vapor measurement and the foundation of an existing building or ground surface of future construction;
- Contain combined TPH less than LTCC of 100 mg/kg measured in at least two depths within the 5-foot zone; and
- Contain oxygen greater than or equal to 4%v measured at the bottom of the 5-foot zone.

5.3 Low-Threat Closure Policy Data Summary

Analytical data collected during the 2016/2017 and 2020 field investigations, completion of remedial excavations, and confirmation soil sample results indicate the site satisfies the bioattenuation zone criteria required by Scenarios 3 and 4. Scenario 3 and Scenario 4 share the two following bioattenuation zone criteria requirements:

- Combined TPH less than LTCC of 100 mg/kg; and
- Oxygen greater than or equal to 4%v.

Prior to implementation of Response Plan actions, three of 30 soil samples analyzed for combined TPH at the site (B-29-5.0, GP-7, and W-2) had concentrations of TPH that exceeded the LTCC of 100 mg/kg within the bioattenuation zone. These were the requirements for the TPH excavation areas (Figure 3). These sample locations were excavated during remedial excavation as described in Section 3.2. Removal of soil that exceeded the LTCC of 100 mg/kg was confirmed through collection of confirmation soil samples as described in Section 3.3.

Prior to 2020, oxygen was detected at concentrations greater than the bioattenuation requirement of 4%v in 12 of 13 soil vapor samples. In sample B-17 oxygen was detected at 2.19%v, but nearby samples B-4 and B-47 oxygen was detected at 6.74%v and 11.7%v, respectively. In August and November 2020 soil vapor oxygen concentrations ranged between 8.31%v to 24.3%v. Results indicate that oxygen concentrations meet the bioattenuation zone requirements of the LTCP.

5.3.1 Scenario 3 Evaluation

To evaluate if the site met Scenario 3 specific criteria, groundwater data collected from six boring locations in 2017 and seven groundwater samples collected during previous investigations was reviewed. Depth to groundwater was observed between 5 and 9 feet bgs. In all 13 groundwater samples, benzene concentrations were well below the 1,000 µg/L criterion, with a maximum concentration of 18 µg/L (Table 9).

In 2017, the shallowest groundwater was observed at 5 feet bgs. Development activities to date have included the addition of fill material across the entire site to mitigate sea level rise which has increased the ground surface elevation an average of approximately 5 feet; thus, the resulting vadose zone or unsaturated vertical interval between the groundwater and future building foundations is 10 feet or more.

Benzene concentrations in groundwater are below 1,000 µg/L, observed depth to groundwater in conjunction with the placement of approximately 5 feet of fill to raise the ground surface elevation, removal of soil with total TPH greater than the LTCC, and detections of oxygen in the subsurface across the site greater than 4%v qualify the site to achieve regulatory closure under the LTCP Scenario 3.

5.3.2 Scenario 4 Evaluation

In order to use the LTCP residential soil vapor screening levels, a bioattenuation zone of 5 feet is required between a soil vapor sample and the foundation of a future building, concentrations of combined TPH concentrations must be detected below the TPH LTCC measured at a minimum of two depths within the five foot zone, and oxygen in soil vapor equal to or greater than 4%v must be present.

Prior to 2020, soil vapor samples were collected between 2.5 feet bgs and 4.75 feet bgs. With the exception of B-78 as discussed in Section 4.0, soil vapor samples were collected between 5.5 and 11 feet bgs, which equated to approximately five feet below future building pad elevation. Development plans have included the placement of approximately 5 feet of import fill across the entire site which increased the vertical interval between soil vapor samples and future building foundations to greater than 5 feet or a maximum of 10 feet or more.

In 2017, two soil samples were collected between 0 and 5 feet bgs from boring locations B-27, B-29, B-31, B-32, B-33 and B-34 and analyzed for TPH. In previous investigations, one sample was collected between 0 and 5 feet bgs from 16 boring locations and analyzed for TPH. Only

three of the 28 soil samples collected within the five foot zone had detected TPH concentrations above the TPH LTCC. Combined TPH concentrations greater than the TPH LTCC of 100 mg/kg. Soil that exceeded the TPH LTCC has been excavated and disposed off-site (Section 3.2), and combined TPH was detected below the LTCC in confirmation soil samples (Section 3.3).

Because of the 5 foot bioattenuation zone, excavation of soil with TPH detections above the LTCC, and the presence of oxygen at 4%v or greater in soil vapor, soil vapor data was compared to the Scenario 4 LTCP residential screening levels for benzene, ethylbenzene, and naphthalene.

Benzene, ethylbenzene, and naphthalene soil vapor concentrations were detected well below the LTCP bioattenuation zone residential screening levels of 85,000 µg/m^3, 1,100,000 µg/m^3, and 93,000 µg/m^3, respectively. For this reason, benzene, ethylbenzene, and naphthalene concentrations have been excluded from risk calculations as discussed in Section 3.7. Furthermore, oxygen greater than 4%v is present in the subsurface, impacted soil excavation and backfill creates an increase in aerobic conditions to facilitate the biodegradation of lightly chlorinated compounds (e.g. chlorobenzene, dichlorobenzene and vinyl chloride) (Tillman and Weaver, 2005).

6.0 ASSESSMENT TOOL FOR CLOSURE OF LOW-THREAT CHLORINATED SOLVENT SITES

The Regional Water Board requested Langan evaluate the CVOC data using the LTCS as requested in an email dated 29 October 2020 (Appendix A) The LTCS presents nine narrative criteria for closure of solvent-impacted sites characterized as low-threat (2009). The LTCS is based on is based on the "understanding that cleanup standards can be met under natural conditions within a reasonable timeframe, once adequate source control and plume remediation are complete and considering site-specific conditions, the future land use, and the likelihood of and timeframe for actual beneficial use of the affected water resources."

The criteria are grouped into three categories to illustrate how the criteria are related to the overall site assessment and cleanup process. The criteria include development of a conceptual site model, documentation of control of sources and mitigation of risks and threats, and demonstration that residual impacts will not adversely affect current and future land and water uses.

The Regional Water Board has requested the site data be compared to the LTCS given the presence of seven detections of vinyl chloride in soil gas, three of which exceed the Response

Plan criteria. Additionally the following chlorinated VOCs (COVCs) were detected at 20 locations below Response Plan criteria:

Carbon Tetrachloride	Cis-1,2-Dichloroethene
Chloroethane	Methylene Chloride
Chloroform	Tetrachloroethene
Chloromethane	Trichloroethene
1,1-Dichloroethene	1,1,1-Trichloroethane
1,1-Dichloroethane	1,1,2-Trichloroethane
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
Trans-1,2-Dichloroethene	

In total, CVOCs including vinyl chloride were detected at 22 soil vapor sample locations. The following sections present the evaluation of the site against the LTCS and satisfies the three categories of narrative criteria required to utilize the LTCS. A combined Petroleum and Chlorinated Case Closure Summary is presented in Appendix J.

6.1 Narrative Criteria Group 1 - Develop a Conceptual Site Model

Group 1 criteria addresses conceptual site model development, including source and plume delineation, site characterization, receptor identification, exposure pathway evaluation, risk assessment, and establishment of cleanup standards.

Soil, soil vapor, and groundwater has been sampled extensively over the past decade leading to sufficient characterization (Figure 11). Soil, soil vapor, and groundwater sampling results confirm that there is no vinyl chloride source in soil or groundwater contributing to detections in sol vapor. Vinyl chloride and other CVOCs were not detected at or above the laboratory reporting limits in soil or groundwater samples collected by others in 2008 and 2011 and by Langan in 2017 (Table 2 and Table 9).

Forty-one soil vapor samples collected were analyzed for VOCs (Table 7). Vinyl chloride was detected above laboratory reporting limits in seven soil vapor samples, three of which exceeded the Response Plan criteria. The majority of the remaining 34 soil vapor samples had elevated vinyl chloride reporting limits that exceeded Response Plan criteria because of dilution factors required for analysis of other VOCs. August 2020 soil vapor confirmation data eliminated one Response Plan criteria exceedance for vinyl chloride. The 15 CVOCs listed above in Section 6.0 were also detected in 20 soil vapor samples below Response Plan criteria.

Given the lack of detected vinyl chloride and other CVOC concentrations in soil and groundwater, exposure pathways, receptors and potential risks were evaluated considering soil vapor data only. The potential exposure pathway to future receptors/residents is from vapor intrusion into future buildings.

6.2 Narrative Criteria Group 2 – Control Sources and Mitigate Risks and Threats

As noted in the LTCS, Group 2 criteria evaluates risk mitigation to human and ecological receptors and threats to water resources.

Soil and groundwater data have confirmed that a vinyl chloride and other CVOCs have not been detected in soil or groundwater which indicates a CVOC source is not contributing to soil vapor concentrations that would require remediation.

Remedial excavation removed soil at soil vapor sample locations SG-2, where the second highest concentration of vinyl chloride was detected and at locations B-3, B-19, B-20, B-21, B-22, B-41, and B-54. B-3 and B-41 where the maximum nondetect reporting limit and detected concentration of vinyl chloride, respectively, prior to excavation. Confirmation soil vapor samples at B-3 and B-41 following excavation and placement of imported backfill reported vinyl chloride at 1.99 µg/m^3 and not detected, respectively. SG-2, collected in 2011, had the second highest vinyl chloride detection at 21 µg/m^3 and the location was excavated as part of Excavation Area E. Excavated locations B-20, B-21 and B-22 had detections of CVOCs other than vinyl chloride that were below Response Plan criteria. Excavated locations B-19 and B-54 did not have detections of CVOCs, including vinyl chloride.

As discussed in Section 3.7, ILCR and HI were calculated from soil vapor concentrations and reporting limits that exceeded the Response Plan criteria. At location B-61, vinyl chloride was detected above the Response Plan criteria, however the ILCR and HI were within acceptable risk thresholds. Vinyl chloride and other CVOC detections and nondetect reporting limits greater than the Response Plan criteria do not create an ILCR or HI that exceed the allowable threshold of 1E-05 or 1, respectively. Vinyl chloride and other CVOCs in soil vapor do not present an unacceptable risk to future residential receptors.

6.3 Narrative Criteria Group 3 – Demonstrate that Residual Pollution in All Media Will Not Adversely Affect Present and Anticipated Land and Water Uses

Group 3 criteria evaluates the need for source control and evaluation of potential adverse effects to future beneficial uses from residual pollutants.

Vinyl chloride or chlorinated VOC plumes were not detected in soil or groundwater indicating that a source is not contributing to VOCs in soil vapor. Vinyl chloride was detected above laboratory reporting limits in seven soil vapor samples, three of which exceeded the Response Plan criteria. Vinyl chloride reporting limits for majority of the remaining 34 soil vapor samples exceeded Response Plan criteria. In the August 2020 soil vapor sample B-41, vinyl chloride was not detected above the Response Plan criteria. The 15 CVOCs listed above in Section 6.0 were also detected in 20 soil vapor samples below Response Plan criteria.

Remedial excavation removed soil at the locations of soil vapor samples SG-2, B-3, B-19, B-20, B-21, B-22, B-41, and B-54. B-3 and B-41 had the highest nondetect reporting limit and detected concentration of vinyl chloride, respectively, prior to excavation. Confirmation soil vapor samples at B-3 and B-41 following excavation and placement of import fill reported vinyl chloride at 1.99 µg/m^3 and not detected, respectively. SG-2, collected in 2011, had the second highest vinyl chloride detection at 21 µg/m^3 and the location was excavated as part of Excavation Area E. Excavated locations B-20, B-21 and B-22 had detections of CVOCs other than vinyl chloride that were below Response Plan criteria. Excavated locations B-19 and B-54 did not have detections of CVOCs, including vinyl chloride.

Risk calculations using recent soil vapor concentrations, do not present an unacceptable ILCR of HI to future residential receptors. Furthermore, oxygen present in the subsurface and impacted soil excavation and backfill creates increased aerobic conditions that facilitate biodegradation of other lightly chlorinated compounds (e.g. chlorobenzene, dichlorobenzene, and vinyl chloride) (Tillman and Weaver, 2005). VMS and other engineering or institutional controls are not required to mitigate residual VOCs in the subsurface.

7.0 METHANE SOIL VAPOR DATA DISCUSSION

Soil vapor methane data has been collected across the site in 2016 and 2017 pre-excavation and in August and November 2020 post-remedial excavation. Prior to commencement of site redevelopment activities, 13 of 15 soil vapor samples results for methane exceeded half the LEL of 5%v[4]. As documented in the boring logs provided in Appendix B1, subsurface conditions at the site are conducive to natural methane generation, accumulation, and distribution. Bayshore organics and observed degraded wood debris are likely generating methane. Soil vapor samples were collected near the water table where the lithology consists of permeable soil whereas

[4] National Institute for Occupational Safety and Health, 2016.

shallower soil contain more fines (see Appendix B1 boring logs). At sample locations that were not excavated the lithology consists of lower permeability soils with higher percentage of fines. The shallow low permeability soils are potentially acting as a natural cap, holding methane concentrations in the subsurface near the water table. In August 2020, methane concentrations decreased in soil vapor sample locations (B-3, B-19, B-20 and B-41) where excavation has removed the low permeability soils and degraded TPH that could potentially generate methane. Methane concentrations in those four confirmation soil vapor samples were less than 1%v.

In general, the methane levels at the site decreased greatly between 2016/2017 and 2020 and oxygen levels in the subsurface increased. The observed decrease in methane concentrations can be attributed to 1) demolition of site features including buildings and pavement, 2) excavation of degraded TPH in bioattenuation zone soil and 3) increased oxygen within the subsurface. Methane was detected above 2.5%v in only two of the November 2020 sample locations next to Redwood Creek. In November 2020, the maximum detected methane concentration was 34.6%v in sample B-66, compared to the previous 2017 detection in nearby B-17 at 64.1%v. Locations B-70 and B-71, which were co-located with August 2020 confirmation samples B-60 and B-61, show a reduction from approximately 8 to 9%v methane to non-detect in just a few months (Figure 10).

In November 2020, methane concentrations significantly decreased. Methane concentrations exceeded 2.5%v in only two of 17 soil vapor samples analyzed. In sample B-67, methane was detected at 1.61%v. Methane was not detected above laboratory reporting limits in the remaining 14 soil vapor samples. Pressure measurements collected from the 17 soil vapor probes in November 2020 ranged from -0.006 to 1.26 inches of water column, which indicates pressures in the subsurface are unlikely to drive upward migration of methane gas and related risk.

Remedial excavations removed soil impacted with TPH above the LTCC within the bioattenuation zone, and also removed an area of unexpected free-phase degraded petroleum product beneath the former Yacht Club building and maintenance building. Soil samples removed during remedial excavation are shown in strikethrough text in Tables 1, 2 and 10. Removal of TPH in bioattenuation zone soil is partially responsible for the observed decrease in methane concentrations in soil vapor, and mitigates the potential for future methane generation.

Excavation increased the ambient air flow in the subsurface. In November 2020, oxygen was detected in the 17 samples at concentrations ranging from 8.31%v to 24.3%v. The higher oxygen levels will facilitate the growth of methanotroph (bacteria and other organisms) growth, which effectively consume methane.

Methane concentrations at samples B-66 and B-68 were detected above 2.5%v. B-66 and B-68 are locations at the shoreline where degraded wood and various debris has been observed and recorded on boring logs B-15 and B-42 (Appendix B1). Methane detections at these two locations are likely a result of degraded wood debris. Oxygen was present at 8.31%v and 16.4%v at these two locations which will facilitate further methane degradation over time. TPH concentrations near B-68 were detected below the TPH LTCC. Soil with TPH detections above the LTCC have been excavated. Thus, TPH is not a source for methane generation. Additionally, pressure measurements were recorded in the range typical of atmospheric pressure fluctuations and do not suggest the subsurface is under pressure to facilitate the upward migration of methane. These data and the decreasing trend in methane levels indicate the risk presented by methane above half the LEL at B-66 and B-68 will continue to substantially decrease. and the overall results did not identify a methane concern and the Regional Water Board agreed via email on 25 November (Appendix A); therefore, vapor mitigation for methane is not needed.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Response Plan actions as described in Section 3.0 were completed beginning in November 2018 and concluding in November 2020. Engine Repair Area soil sampling identified two locations (B-55 and B-59) where combined TPH was greater than the LTCC criteria of 100 mg/kg. To achieve site closure under the LTCP, two additional TPH excavation areas (Excavation Areas G and H) were identified to remove soil with combined TPH greater than LTCC.

Remedial excavation removed soils with combined TPH greater than the LTCC within the bioattenuation zone, and lead greater than 80 mg/kg to six feet below ground surface (bgs). During excavation, unexpected degraded free-phase petroleum product was encountered in Excavation Area E. Excavation Area E was extended laterally until results of confirmation soil samples were detected below the LTCC and/or the excavation depth was extended to a maximum of one foot into the groundwater table (six feet bgs). The geotechnical engineer requested the excavation of unexpected debris and 13,351 tons of material, including approximately 12,176 tons of soil and 1,175 tons of brick debris, was excavated and disposed at licensed waste disposal facilities. Soil and debris were stockpiled and disposed of offsite in accordance with local, state, and federal regulations. Groundwater encountered at the site which could not be reused as dust control was discharged under a SVCW permit, or trucked and disposed at EBMUD wastewater facility.

Material was imported to backfill the excavations raise site grade to mitigate sea level rise, and continues to be imported for use as surcharge at the future building pads. Imported fill data was

reviewed and approved in accordance with the import fill requirements documented in the Response Plan.

Soil vapor confirmation sampling was completed six months after final placement of surcharge material. VOCs were not detected above Response Plan criteria in the four soil vapor confirmation samples. One of the two newly sampled locations reported a concentration of vinyl chloride which exceeded the Response Plan criteria.

Soil vapor risk calculations were updated with results from the six soil vapor confirmation sampling locations. The data collected at the four resampled locations did not exceed Response Plan Criteria, and therefore the risk was not recalculated. The updated the ILCR and HI are below the allowable risk threshold of 1E-05 and 1, respectively. VOCs in the soil vapor do not pose an unacceptable risk to future residential receptors. A VMS system is not required to mitigate residential exposure to VOCs in soil vapor.

Remedial excavation has satisfied the LTCP Scenarios 3 and 4. TPH in bioattenuation zone soil is less than the LTCC of 100 mg/kg, oxygen in soil vapor have been detected at concentrations greater than 4%v across the entire site, benzene in groundwater is less than 1,000 µg/L, and import material will raise the site grade by approximately five feet and increase depth of the bioattenuation zone to facilitate degradation of VOCs in soil vapor. The bioattenuation zone also allows for the use of residential LTCP soil vapor screening criteria for benzene, ethylbenzene, and naphthalene that are three to four orders of magnitude greater than Regional Water Board ESLs.

Vinyl chloride and other CVOCs have not been detected in soil and groundwater indicating there is no source contributing to soil vapor concentrations. Vinyl chloride detections in soil vapor do not present an unacceptable risk to future residential receptors. Remedial excavations removed soil at the locations where soil vapor samples had the highest nondetect reporting limit or preexcavation detection of vinyl chloride. Co-located post excavation confirmation soil vapor samples collected did not detect vinyl chloride concentrations above laboratory reporting limits or detections were below the Response Plan criteria. Therefore, VMS or institutional controls are not required to mitigate residual VOCs in the soil vapor.

Soil vapor sampling was completed in November 2020 to obtain updated methane data following remedial excavation and backfill activities and pressure measurements to determine whether pressures that could drive upward migration were present at the site. Soil vapor samples were collected at depths which correlated to approximately five feet below future building pad

elevations. Methane concentrations had decreased across the site and were detected between 0.100%v to 36.4%v. Methane exceeded 2.5% at two bayshore locations where organics and wood are degrading. Oxygen was detected in all 17 samples at concentrations ranging from 8.31%v to 24.3%v confirming that LTCP bioattenuation zone oxygen criteria continued to be met Pressure measurements indicated that upward migration of methane is unlikely.

In general, methane concentrations in soil vapor decreased significantly between 2016/2017 and 2020. The decrease in methane concentrations can be attributed to 1) demolition of site features including buildings and pavement, 2) excavation of TPH in soil and 3) increased oxygen within the subsurface .Methane was detected above 2.5%v in two locations only (B-66 and B-68). Soil with TPH detections above the LTCC near B-66 have been excavated. TPH concentrations in soil in the near vicinity of B-68 were detected below the combined TPH LTCC. Thus, TPH is no longer a potential source for methane generation. It is our opinion that the November 2020 methane detections at B-66 and B-68 is a result of degrading bayshore organics and wood debris. Oxygen was present at 8.31%v and 16.4%v at these two locations and at greater than 8.31%v across the remainder of the site which supports enhanced methanotroph (bacteria and other organisms) growth, which effectively consume methane.

Based upon the completion of Response Plan actions and results of soil vapor confirmation samples, no further remedial action is recommended for site soil, soil vapor, or groundwater, and a VMS and engineering or institutional controls overseen by the Regional Water Board are not required.

9.0 LIMITATIONS

Descriptions of specific field activities and historical events are based on our observations, and on information provided by others. The opinions and information presented in this report apply to site conditions and the information available at the time the work was performed and do not apply to changes of which we are not aware or have not had the opportunity to evaluate.

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TABLES

Table 1
Soil Analytical Results for Total Petroleum Hydrocarbons
1548 Maple Street Development
Redwood City, California

Sample ID	Date	Depth	TPHg	TPHd	TPHmo	TPHg+d
		(feet bgs)	mg/kg			
GP-1	4/7/2008	1.0	<0.1	<9.9	70	< 10
GP-2	4/7/2008	2.0	<0.1	<5.0	35	< 5.1
GP-3	4/7/2008	1.5	<0.1	<5.0	<20	< 5.1
~~GP-4~~	~~4/7/2008~~	~~2.0~~	~~<0.1~~	~~<5.0~~	~~<20~~	~~< 5.1~~
GP-5	4/7/2008	3.0	<0.1	<25	190	< 25.1
		6.0	<0.1	13	47	13
GP-6	4/7/2008	2.5	<0.1	<5.0	49	< 5.1
~~GP-7~~	~~4/7/2008~~	~~3.5~~	~~160~~	~~120~~	~~720~~	~~**280**~~
W-1	4/15/2011	2.0	<1.00	<10.0	<10.0	< 11
~~W-2~~	~~4/15/2011~~	~~2.0~~	~~<1.00~~	~~172~~	~~229~~	~~**172**~~
W-3	4/15/2011	2.0	<1.00	80.9	148	80.9
W-4	4/15/2011	2.0	<1.00	<10.0	40	< 11
W-5	4/15/2011	2.0	<1.00	15.4	83.6	15.4
~~W-8~~	~~4/15/2011~~	~~0.3~~	~~<1.00~~	~~66.1~~	~~89.8~~	~~66.1~~
W-9	4/15/2011	2.0	<1.00	41	127	41
B-7-3.0	09/23/16	3.0	<1.0	2.5	32	2.5
B-7.5.5	09/23/16	5.5	<1.0	<1.0	7.8	< 2.0
B-9-3.5	09/23/16	3.5	<1.0	<1.0	<5.0	< 2.0
B-9-5.5	09/23/16	5.5	<1.0	<1.0	5.4	< 2.0
~~B-27-3.0~~	~~11/10/2017~~	~~3.0~~	~~8.5~~	~~50~~	~~250~~	~~58.5~~
~~B-27-5.0~~	~~11/10/2017~~	~~5.0~~	~~21~~	~~27~~	~~140~~	~~48~~
~~B-29-3.0~~	~~11/10/2017~~	~~3.0~~	~~1.6~~	~~26~~	~~140~~	~~27.6~~
~~B-29-5.0~~	~~11/10/2017~~	~~5.0~~	~~100~~	~~4,100~~	~~5,200~~	~~**4,200**~~
B-31-3.0	11/10/2017	3.0	< 1.0	15	73	15
B-31-5.0	11/10/2017	5.0	11	30	150	41
B-32-3.0	11/10/2017	3.0	< 1.0	14	63	14
B-32-5.0	11/10/2017	5.0	26	43	230	69
B-33-3.0	11/10/2017	3.0	< 1.0	2.6	23	2.6
B-33-5.0	11/10/2017	5.0	< 1.0	21	120	21
B-34-3.0	11/10/2017	3.0	< 1.0	2.1	< 5.0	2.1
B-34-5.0	11/10/2017	5.0	< 1.0	< 5.0	< 25	< 6.0
~~B-55-1.5~~	~~11/9/2018~~	~~1.5~~	~~< 1.0~~	~~18~~	~~86~~	~~18~~
~~B-55-4.5~~	~~11/9/2018~~	~~4.5~~	~~150~~	~~310~~	~~970~~	~~**460**~~
B-56-1.5	11/9/2018	1.5	< 1.0	3.0	24	3.0
B-56-4.5	11/9/2018	4.5	< 1.0	29	87	29
B-57-1.5	11/9/2018	1.5	< 1.0	3.8	20	3.8
B-57-4.5	11/9/2018	4.5	5.6	20	81	25.6
B-58-1.5	11/9/2018	1.5	1.3	6.0	39	7.3
B-58-4.5	11/9/2018	4.5	4.2	14	57	18.2
~~B-59-1.5~~	~~11/9/2018~~	~~1.5~~	~~5.9~~	~~200~~	~~580~~	~~**205.9**~~
~~B-59-4.5~~	~~11/9/2018~~	~~4.5~~	~~< 1.0~~	~~18~~	~~77~~	~~18~~
LTCP Combined TPH Criteria			**--**	**--**	**--**	**100**

Notes:

~~Stirkethrough text~~ indicates a sample location removed during remedial excavation

Bold text indicates concentration exceeds the LTCP Combined TPH Criteria

bgs - Below ground surface

LTCP - Low-Threat Underground Storage Tank Case Closure Policy (State Water Resources Control Board, 2012)

LTCP Combined TPH Critera - Soil Criteria for TPHg+d in bioattenuation zone, Response Plan combined TPH criteria

TPHg - Total petroleum hydrocarbons as gasoline

TPHd - Total petroleum hydrocarbons as diesel

TPHmo - Total petroleum hydrocarbons as motor oil

mg/kg - Milligrams per kilogram

< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)

LANGAN

Table 2
Soil Analytical Results for Volatile Organic Compounds
1548 Maple Street Development
Redwood City, California

Langan Project: 731685405
December 2020

Sample ID	Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Total Xylenes	n-Butyl benzene	sec-Butyl benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane	Diisopropyl ether	Metyl-t-butyl ether	Methylene Chloride	Naphthalene	PCE	TCE	1,2,4-Trimethylbenzene	Vinyl Chloride	Other VOCs
			mg/kg																							
~~B-27-3.0~~	~~11/10/2017~~	~~3.0~~	~~< 0.020~~	~~< 0.020~~	~~0.15~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~0.34~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~0.031~~	~~< 0.016~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	~~0.023~~	~~< 0.020~~	~~< 0.020~~	~~< 0.020~~	**~~< 0.020~~**	~~ND~~
~~B-27-5.0~~	~~11/10/2017~~	~~5.0~~	**~~< 0.10~~**	~~< 0.10~~	~~0.75~~	~~< 0.10~~	~~< 0.10~~	~~< 0.10~~	~~< 0.10~~	**~~< 0.10~~**	**~~2.9~~**	~~< 0.10~~	**~~< 0.10~~**	~~< 0.10~~	~~< 0.10~~	~~0.19~~	~~0.57~~	**~~< 0.080~~**	~~< 0.10~~	~~< 0.10~~	~~< 0.10~~	~~0.21~~	~~< 0.10~~	~~< 0.10~~	~~0.13~~	**~~< 0.10~~**	~~ND~~
~~B-29-3.0~~	~~11/10/2017~~	~~3.0~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0040~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~ND~~
~~B-29-5.0~~	~~11/10/2017~~	~~5.0~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~0.11~~	~~< 0.050~~	~~< 0.050~~	**~~< 0.050~~**	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.040~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	~~< 0.050~~	**~~< 0.050~~**	~~ND~~
B-31-3.0	11/10/2017	3.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-31-5.0	11/10/2017	5.0	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	0.78	< 0.033	< 0.033	< 0.033	< 0.033	0.12	< 0.027	< 0.033	< 0.033	< 0.033	0.041	< 0.033	< 0.033	< 0.033	**< 0.033**	ND
B-32-3.0	11/10/2017	3.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-32-5.0	11/10/2017	5.0	< 0.025	< 0.025	0.079	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.53	< 0.025	< 0.025	< 0.025	< 0.025	0.070	< 0.020	< 0.025	< 0.025	< 0.025	0.033	< 0.025	< 0.025	< 0.025	**< 0.025**	ND
B-33-3.0	11/10/2017	3.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-33-5.0	11/10/2017	5.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-34-3.0	11/10/2017	3.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-34-5.0	11/10/2017	5.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	0.024	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
~~B-55-1.5~~	~~11/9/2018~~	~~1.5~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0040~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.010~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~ND~~
~~B-55-4.5~~	~~11/9/2018~~	~~4.5~~	**~~< 0.20~~**	~~< 0.20~~	**~~1.6~~**	~~< 0.20~~	~~0.42~~	~~0.45~~	~~< 0.20~~	**~~< 0.20~~**	**~~6.1~~**	~~< 0.20~~	**~~< 0.20~~**	~~< 0.20~~	~~< 0.20~~	~~1.3~~	**~~< 0.16~~**	~~< 0.20~~	~~< 0.20~~	~~< 0.40~~	~~0.47~~	~~< 0.20~~	~~< 0.20~~	~~0.36~~	**~~< 0.20~~**	~~ND~~
B-56-1.5	11/9/2018	1.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-56-4.5	11/9/2018	4.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-57-1.5	11/9/2018	1.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-57-4.5	11/9/2018	4.5	< 0.010	< 0.010	0.046	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.19	< 0.010	< 0.010	< 0.010	< 0.010	0.026	< 0.0080	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	**< 0.010**	ND
B-58-1.5	11/9/2018	1.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.052	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0040	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B-58-4.5	11/9/2018	4.5	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.28	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.0080	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	**< 0.010**	ND
~~B-59-1.5~~	~~11/9/2018~~	~~1.5~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0040~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.010~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~ND~~
~~B-59-4.5~~	~~11/9/2018~~	~~4.5~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0040~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.010~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~< 0.0050~~	~~ND~~
Leaching to Groundwater ESLs			**0.049**	**9.3**	**1.4**	**11**	--		--	**0.048**	**1.5**	**11**	**0.068**	**68**	**1.6**	**1.4**	**0.054**	--	**0.84**	**0.73**	**3.9**	**0.42**	**0.51**	--	**0.01**	Various

Notes:
Bold indicates concentration or reporting limit exceeds the Leaching to Groundwater ESL
~~Striketrough text~~ indicates a sample location removed during remedial excavation
bgs - Below ground surface
ESLs - Environmental screening levels
mg/kg - Milligrams per kilogram
ND - Not detected at or above laboratory reporting limits
PCE - Tetrachloroethene
Regional Water Board - Regional Water Quality Control Board
TCE - Trichloroethene
Total Xylenes - Sum of m/p and o xylenes
Various - ESLs for VOCs not listed
VOCs - Volatile organic compounds
< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)
-- - Not applicable
Leaching to Groundwater ESLs - Nondrinking water leaching to groundwater ESLs (Regional Water Board ESLs, Table S-2, February 2016, Rev. 3)

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Table 3
Excavation Area Confirmation Soil Sample Results
1548 Maple Street Development
Redwood City, California

Sample ID	Date	Depth (feet bgs)	TPHg	TPHd	TPHg+d	Lead	STLC Lead	TCLP Lead
			mg/kg				mg/L	
BOTTOM SAMPLES								
Area A-B-1-5.0	2/6/2019	5.0	--	--	--	**110**	**6.9**	< 0.10
Area A-B-1-6.0	4/15/2019	6.0	--	--	--	31	--	--
Area A-B-2-5.0	2/6/2019	5.0	--	--	--	26	--	--
Area A-B-3-5.0	2/28/2019	5.0	--	--	--	61	1.7	--
Sub Area A1-B-1-5.0	6/7/2019	5.0	--	--	--	**110**	**18**	< 0.10
Sub Area A1-B-1-6.0	6/19/2019	6.0	--	--	--	**110**	--	--
Sub Area A2-B-1-5.0	6/7/2019	5.0	--	--	--	**85**	**8.3**	< 0.10
Sub Area A2-B-1-6.0	6/19/2019	6.0	--	--	--	**220**	--	--
Area B-B-1-5.5	1/30/2019	5.5	6.0	20	26	--	--	--
Area C-B-1-3.0	2/8/2019	3.0	5.6	19	25	--	--	--
Area D-B-1-5.25	1/30/2019	5.3	260	690	**950**	--	--	--
Area D-B-1-6.0	2/21/2019	6.0	230	680	**910**	--	--	--
Area E-B-1-6.5	6/26/2019	6.5	< 1.0	2.5	3	--	--	--
Area E-B-2-7.0	7/3/2019	7.0	1.4	4.6	6	--	--	--
Area E-B-3-7.5	8/2/2019	7.5	< 1.0	10	10	--	--	--
Area E-B-4-7.0	8/2/2019	7.0	< 1.0	6.6	7	--	--	--
Area F-B-1-2.0	6/21/2019	2.0	--	--	--	20	--	--
Area F-B-2-2.0	6/21/2019	2.0	--	--	--	**350**	**14**	0.11
Area F-B-2-3.0	6/26/2019	3.0	--	--	--	30	--	--
Area G-B-1-5.0	2/13/2019	5.0	100	540	**640**	--	--	--
Area G-B-1-6.0	2/21/2019	6.0	6.1	1.3	7.4	--	--	--
Area H-B-1-3.0	5/31/2019	3.0	9.6	21	30.6	--	--	--
SIDEWALL SAMPLES								
Area A-S-1-4.0	1/30/2019	4.0	--	--	--	29	--	--
Area A-S-2-5.0	1/30/2019	5.0	--	--	--	28	--	--
Area A-S-3-4.0	2/6/2019	4.0	--	--	--	25	--	--
Area A-S-4-4.0	2/6/2019	4.0	--	--	--	**170**	**5.0**	< 0.10
Area A-S-4A-4.0	2/28/2019	4.0	--	--	--	31	--	--
Sub Area A1-S-1-2.0	6/4/2019	2.0	--	--	--	15	--	--
Sub Area A1-S-1-5.0	6/6/2019	5.5	--	--	--	29	--	--
Sub Area A1-S-2-2.0	6/4/2019	2.0	--	--	--	59	--	--
Sub Area A1-S-2-5.0	6/6/2019	5.5	--	--	--	16	--	--
Sub Area A1-S-3-2.0	6/7/2019	2.0	--	--	--	28	--	--
Sub Area A1-S-3-5.0	6/7/2019	5.0	--	--	--	33	--	--
Sub Area A2-S-1-4.0	6/7/2019	4.0	--	--	--	34	--	--
Sub Area A2-S-1-5.0	6/7/2019	5.0	--	--	--	26	--	--
Sub Area A2-S-2-4.0	6/7/2019	4.0	--	--	--	40	--	--
Sub Area A2-S-2-5.0	6/7/2019	5.0	--	--	--	21	--	--
Area B-S-1-4.0	1/30/2019	4.0	210	2,100	**2,310**	**230**	**8.5**	< 0.10
Area B-S-1A-4.0	2/28/2019	4.0	19	53	72	40	--	--
Area C-S-1-2.0	2/8/2019	2.0	4.7	100	**105**	67	**5.5**	< 0.10
Area C-S-1A-2.0	2/28/2019	2.0	< 1.0	49	49	38	--	--
Area D-S-1-4.5	1/30/2019	4.5	6.7	24	31	29	--	--
Area E-S-1-5.0	6/12/2019	5.0	5	23	28	--	--	--
Area E-S-2-5.0	6/12/2019	5.0	1.8	18	20	--	--	--
Area E-S-3-5.0	6/12/2019	5.0	69	3,900	**3,969**	--	--	--
Area E-S-3-5.0A	8/2/2019	5.0	< 1.0	360	**360**	--	--	--
Area E-S-3-5.0B	8/8/2019	5.0	< 1.0	15	15	--	--	--
Area E-S-4-5.0	6/26/2019	5.0	< 1.0	310	**310**	--	--	--
Area E-S-4-5.0A	8/2/2019	5.0	11 B	400	**411**	--	--	--
Area E-S-4-5.0B	8/8/2019	5.0	2.1 B	470	**472**	--	--	--
Area E-S-4-5.0C	8/14/2019	5.0	9.6	100	**110**	--	--	--
Area E-S-4-5.0D	8/20/2019	5.0	1.9 B	150	**152**	--	--	--
Area E-S-4-5.0E	8/20/2019	5.0	< 1.0	2	2	--	--	--
Area E-S-5-5.0	6/12/2019	5.0	29	570	**599**	--	--	--
Area E-S-5-5.0A	8/2/2019	5.0	< 1.0	3	3	--	--	--
Area E-S-6-5.0	6/26/2019	5.0	2.1 B	30	32.1	--	--	--
Area E-S-7-5.0	6/26/2019	5.0	6.9	67	74	--	--	--
Area E-S-8-5.0	6/28/2019	5.0	2.6	52	55	--	--	--
Area E-S-9-5.0	6/28/2019	5.0	< 1.0	47	47	--	--	--
Area E-S-10-5.0	6/28/2019	5.0	1.4	7.1	9	--	--	--
Area E-S-11-5.0	6/28/2019	5.0	< 1.0	7.6	8	--	--	--
Area E-S-12-5.0	7/3/2019	5.0	1.4	3.4	5	--	--	--
~~Area E-S-13-5.0~~	~~7/3/2019~~	~~5.0~~	~~< 1.0~~	~~180~~	**180**	--	--	--
Area E-S-14-5.0	7/10/2019	5.0	230	640	**870**	--	--	--
Area E-S-14-5.0A	7/16/2019	5.0	2.4	24	26	--	--	--
Area E-S-15-5.0	7/10/2019	5.0	160	520	**680**	--	--	--

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Table 3
Excavation Area Confirmation Soil Sample Results
1548 Maple Street Development
Redwood City, California

Sample ID	Date	Depth (feet bgs)	TPHg	TPHd	TPHg+d	Lead	STLC Lead	TCLP Lead
			mg/kg				mg/L	
Area E-S-15-5.0A	7/16/2019	5.0	2.8	8.2	11	--	--	--
Area E-S-16-5.0	7/18/2019	5.0	190	1,100	**1,290**	--	--	--
Area E-S-16-5.0A	7/25/2019	5.0	6.3 B	21	27.3	--	--	--
Area E-S-17-5.0	7/18/2019	5.0	130	220	**350**	--	--	--
Area E-S-17-5.0A	7/25/2019	5.0	10 B	26	36	--	--	--
Area E-S-18-5.0	7/18/2019	5.0	1.8	30	32	--	--	--
Area E-S-19-5.0	7/18/2019	5.0	9.1	87	96	--	--	--
Area E-S-20-5.0	7/18/2019	5.0	5.6	160	**166**	--	--	--
Area E-S-20-5.0A	7/25/2019	5.0	< 1.0	33	33			
Area F-S-1-1.0	6/21/2019	1.0	--	--	--	76	--	--
Area F-S-2-1.0	6/21/2019	1.0	--	--	--	47	--	--
Area F-S-3-1.0	6/21/2019	1.0	--	--	--	42	--	--
Area F-S-4-1.0	6/21/2019	1.0	--	--	--	28	--	--
Area F-S-5-1.0	6/21/2019	1.0	--	--	--	26	--	--
Area G-S-1-4.5	2/8/2019	4.5	180	470	**650**	--	--	--
Area G-S-1A-4.5	2/13/2019	4.5	1.6	16	18	--	--	--
Area G-S-2-4.5	2/8/2019	4.5	4.2	12	16	--	--	--
Area G-S-3-4.5	2/8/2019	4.5	2.7	6.7	9	--	--	--
Area G-S-4-4.5	2/13/2019	4.5	< 1.0	9.1	9	--	--	--
Area G-S-5-4.5	2/13/2019	4.5	< 1.0	22	22	--	--	--
Area G-S-6-4.5	2/13/2019	4.5	< 1.0	19	19	--	--	--
Area H-S-1-1.5	5/31/2019	1.5	1.9	19	21	--	--	--
Area H-S-2-1.5	5/31/2019	1.5	< 1.0	12	12	--	--	--
Area H-S-3-1.5	5/31/2019	1.5	< 1.0	4	4	--	--	--
Area H-S-4-1.5	5/31/2019	1.5	< 1.0	7.9	8	--	--	--
LTCP Combined TPH Criteria			**--**	**--**	**100**	**--**	**--**	**--**
Response Plan Criteria			**NA**	**NA**	**--**	**80**	**--**	**--**
STLC Lead			**--**	**--**	**--**	**--**	**5**	**--**
TCLP Lead			**--**	**--**	**--**	**--**	**--**	**5**

Notes:

Grey text indicates a sample that was over excavated due to concentration exceeding Response Plan screening criteria

Bold text indicates concentration exceeds applicable screening criteria

~~Strikethrough~~ text indicates a sidewall sample location that was removed due to additional over excavation, and replaced with a new sample

-- - Not analyzed/not applicable

< 1.0 - Analyte was not detected at or above the laboratory reporting limit (1.0 mg/kg)

B - Analyte detected in the associated Method Blank and in the sample

bgs - Below ground surface

LTCP Combined TPH Critera - Soil Criteria for TPHg+d in bioattenuation zone, Response Plan combined TPH criteria

mg/kg - Milligrams per kilogram

mg/L - Milligrams per liter

NA - Not applicable in the Response Plan scenario

Regional Water Board - Regional Water Quality Control Board

STLC -Soluble Threshold Limit Concentration

TCLP - Toxicity Characteristic Leaching Procedure

TPHd - Total petroleum hydrocarbons as diesel

TPHg - Total petroleum hydrocarbons as gasoline

TPHg+d - Combined concentrations of TPHg and TPHd

Response Plan Criteria - Residential shallow soil direct exposure human health risk ESLs (Regional Water Board ESLs, Table S-1, February 2016 Rev. 3)

Table 4
Soil Import Criteria
1548 Maple Street
Redwood City, California

Chemical	Environmental Screening Levels[1] For Import Fill	
	Number	Scientific Notation
	(mg/kg)	
Volatile Organic Compounds (VOCs)		
Acetone	59,000	5.9E+04
Benzene	0.23	2.3E-01
Bromodichloromethane	0.52	5.2E-01
Bromoform (Tribromomethane)	63	6.3E+01
Bromomethane	8	8.0E+00
Carbon Tetrachloride	0.12	1.2E-01
Chlorobenzene	250	2.5E+02
Chloroethane	13,000	1.3E+04
Chloroform	0.3	3.0E-01
Chloromethane	100	1.0E+02
Dibromochloromethane	8.3	8.3E+00
1,2-Dibromo-3-chloropropane	0.0053	5.3E-03
1,2-Dichlorobenzene	2,000	2.0E+03
1,3-Dichlorobenzene	--	--
1,4-Dichlorobenzene	3	3.0E+00
1,1-Dichloroethane	3.8	3.8E+00
1,2-Dichloroethane	0.37	3.7E-01
1,1-Dichloroethene	94	9.4E+01
cis-1,2-Dichloroethene	19	1.9E+01
trans-1,2-Dichloroethene	120	1.2E+02
1,2-Dichloropropane	0.88	8.8E-01
Ethylbenzene	5.1	5.1E+00
Methylene Chloride	1.9	1.9E+00
tert-Butyl methyl ether (MTBE)	42	4.2E+01
Styrene	6,600	6.6E+03
Tetrachloroethene	0.6	6.0E-01
Toluene	970	9.7E+02
1,2,2-Tetrachloroethane	--	--
1,1,1,2-Tetrachloroethane	4.2	4.2E+00
1,1,2,2-Tetrachloroethane	0.53	5.3E-01
1,2,4-Trichlorobenzene	24	2.4E+01
1,1,1-Trichloroethane	2,100	2.1E+03
1,1,2-Trichloroethane	0.96	9.6E-01
Trichloroethene	1.2	1.2E+00
Trichlorofluoromethane	--	--
Trichlorotrifluoroethane	--	--
Vinyl Chloride	0.008	8.2E-03
Xylenes (total)	560	5.6E+02
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene	3,600	3.6E+03
Acenaphthylene	--	--
Anthracene	18,000	1.8E+04
Benzo(a)anthracene	0.16	1.6E-01
Benzo(a)pyrene	0.016	1.6E-02
Benzo(b)fluoranthene	0.16	1.6E-01
Benzo(g,h,i)perylene	--	--
Benzo(k)fluoranthene	1.6	1.6E+00
1,1-Biphenyl	64	6.4E+01
bis(2-chloroethyl) ether	0.12	1.2E-01
bis(2-ethylhexyl)phthalate	39	3.9E+01
2-Chlorophenol	390	3.9E+02
Chrysene	15	1.5E+01
Dibenz(a,h)anthracene	0.016	1.6E-02
3,3-Dichlorobenzidine	0.58	5.8E-01
2,4-Dichlorophenol	230	2.3E+02
Diethyl phthalate	51,000	5.1E+04
Dimethyl phthalate	--	--

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Table 4
Soil Import Criteria
1548 Maple Street
Redwood City, California

Chemical	Environmental Screening Levels[1] For Import Fill	
	Number	Scientific Notation
	(mg/kg)	
2,4-Dimethylphenol	1,600	1.6E+03
2,4-Dinitrophenol	160	1.6E+02
2,4-Dinitrotoluene	2.2	2.2E+00
Fluoranthene	2,400	2.4E+03
Fluorene	2,400	2.4E+03
Indeno(1,2,3-cd)pyrene	0.16	1.6E-01
2-Methylnaphthalene	240	2.4E+02
Naphthalene	1.8	1.8E+00
Pentachlorophenol	1.0	1.0E+00
Phenanthrene	--	--
Phenol	23,000	2.3E+04
Pyrene	1,800	1.8E+03
2,4,5-Trichlorophenol	7,800	7.8E+03
2,4,6-Trichlorophenol	9.9	9.9E+00
Pesticides/Polychlorinated Biphenyls		
Aldrin	0.036	3.6E-02
Polychlorinated biphenyls	0.25	2.5E-01
Chlordane	0.48	4.8E-01
Dieldrin	0.038	3.8E-02
Dioxin (2,3,7,8-TCDD)	0.0000049	4.9E-06
p-DDD	2.7	2.7E+00
p-DDE	1.9	1.9E+00
p-DDT	1.9	1.9E+00
Endrin	21	2.1E+01
Endosulfan I [2]	420	4.2E+02
Heptachlor	0.14	1.4E-01
Heptachlor epoxide	0.067	6.7E-02
Hexachlorobenzene	0.34	3.4E-01
Hexachlorobutadiene	8.9	8.9E+00
beta-Hexachlorocyclohexane (Lindane)	0.55	5.5E-01
Hexachloroethane	14	1.4E+01
Methoxychlor	350	3.5E+02
Toxaphene	0.51	5.1E-01
Metals		
Antimony	31	3.1E+01
Arsenic	0.067*	6.7E-02
Barium	15,000	1.5E+04
Beryllium	150	1.5E+02
Boron	16,000	1.6E+04
Cadmium	39	3.9E+01
Chromium (total)	--	--
Chromium III	120,000	1.2E+05
Chromium VI	0.3	3.0E-01
Cobalt	23	2.3E+01
Copper	3,100	3.1E+03
Lead	80	8.0E+01
Manganese	--	--
Mercury	13	1.3E+01
Molybdenum	390	3.9E+02
Nickel	820	8.2E+02
Selenium	390	3.9E+02
Silver	390	3.9E+02
Thallium	0.78	7.8E-01
Vanadium	140,000	1.4E+05
Zinc	23,000	2.3E+04

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Table 4
Soil Import Criteria
1548 Maple Street
Redwood City, California

Chemical	Environmental Screening Levels[1] For Import Fill	
	Number	Scientific Notation
	(mg/kg)	
Total Petroleum Hydrocarbons (TPH)		
TPH-Diesel	230	2.3E+02
TPH-Gasoline	740	7.4E+02
TPH-Motor Oil	11,000	1.1E+04
TPHG+D[3]	100	1.0E+02

Notes:

mg/kg - milligrams per kilogram

-- - Not Established

[1] - Environmental Screening Level from San Francisco Bay Regional Water Quality Control Board Table S-1, direct exposure human health risk levels, residential shallow soil exposure (Rev. 3, February 2016)

[2] - ESL for Endosulfan used

[3] - Soil Criteria for TPHg+d in bioattenuation zone, Response Plan combined TPH criteria

***** Bay Area background arsenic concentrations in soil range from 1.2 to 31 mg/kg (Hookston Station, July 2006)

Table 5
Wastewater Analytical Results for Non-Metals
1548 Maple Street Development
Redwood City, California

Sample ID	Sample Date	TPHg	TPHd	TPHmo	Temperature	pH	Flash Point	Salinity	Specific Conductivity	TSS	Phenolics	Benzene	TBA	Carbon Tetrach-loride	Carbon Disulfide	Chloro-benzene	Chloro-form	1,4-Dichloro-benzene	Methylene Chloride	PCE	Other VOCs	Bis (2-ehtylhexyl) Phthalate	Di-n-butyl Phthalate	Fluoran-thene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphth-alene	Phenol	Other SVOCs	Total Cyanide	PCBs
		µg/L			°C	S.U.	°C	g/L	µmhos/cm	mg/L	µg/L																				
Area A-D Water	2/21/2019	< 50	91	< 250	13	9.35	>100	1.19	2,320	65.4	2.8	< 0.50	< 2.0	< 0.50	< 0.50	6.2	< 0.50	1.2	< 2.0	< 0.50	ND	< 2.0	< 1.0	< 0.50	< .50	< .50	< .50	< 1.0	ND	< 5.0	< 0.50
Yacht Club	5/31/2019	< 50	190	470	25.3	8.52	>100	< 1.00	1,180	27	2	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	ND	< 0.21	< 0.10	< 0.052	0.12	0.16	0.16	0.12	ND	7.3	< 0.50
Sub Area A1+A2	6/7/2019	190	120	< 250	20.5	8.11	> 100	5.8	11,200	50.4	< 40	**8.6**	15 B	< 1.2	< 1.2	77	< 1.2	< 1.2	< 5.0	< 1.2	ND	1.2	0.19	0.16	< 0.095	< 0.095	< 0.095	0.31	ND	2.8	< 0.50
Area E Water	6/21/2019	< 50	260	380	24.5	6.1	> 100	4.38	7,880	27.0	12.6	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	ND	1.9	< 0.40	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	ND	8.5	< 0.50
Area E Tide	7/3/2019	< 50	< 50	< 250	21.5	8.49	> 100	20.1	32,700	26.0	< 2.0	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	ND	< 0.80	0.43	< 0.20	< 0.20	< 0.20	< 0.20	< 0.40	ND	< 10	< 0.50
Silicon Valley Wastewater Strength Limitations		**100,000**	**100,000**	**100,000**	**65**	**Not less than 6**	**60**	**--**	**--**	**--**	**2,600**	**2**	**--**	**1**	**8**	**--**	**30**	**--**	**70**	**30**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**200**	**60**	**--**

Notes
Bold text indicates concentration or parameter exceeds Silicon Valley Wastewater Strength Limitation
– - Waste water limitation not established
< 50 - Analyte not detected at or above the laboratory reporting limit (50 µg/L)
> 100 - Flash point is greater than 100 degrees Celcius
°C - Degrees Celcius
µg/L - Micrograms per liter
µmhos/cm - Micromhos per centimeter
B - Analyte detected in the associated method blank and in the sample
g/L - Grams per liter
mg/L - Milligrams per liter
ND - Multiple analytes not detected at or above the laboratory reporting limits
PCBs - Polychlorinated biphenyls
PCE - Tetrachloroethene
S.U. - Standard pH units at 25 degrees Celcius
SVOCs - Semi-volatile organic compounds
TBA - t-Butyl alcohol
TPHd - Total petroleum hydrocarbons as diesel
TPHg - Total petroleum hydrocarbons as gasoline
TPHmo - Total petroleum hydrocarbons as motor oil
TSS - Total suspended solids
VOCs - Volatile organic compounds
Silicon Valley Wastewater Strength Limitations - Wastewater strenght limitations from the Regulations of Silicon Valley Clean Water, Sections 2.3 and 2.4

Table 6
Wastewater Analytical Results for Metals
1548 Maple Street Development
Redwood City, California

Sample ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		µg/L																
Area A-D Water	2/21/2019	3.3	6	24	< 0.50	< 0.25	3.3	1.1	10	< 0.50	0.08	25	5.7	0.62	< 0.19	< 0.50	11	< 15
Yacht Club	5/31/2019	3.6	7.2	130	< 0.50	< 0.50	2	3.5	23	7.7	0.065	7.5	14	< 0.50	< 0.50	< 0.50	3.2	72
Sub Area A1+A2	6/7/2019	< 5.0	10	150	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 5.0	< 0.50	34	16	< 5.0	< 5.0	< 5.0	22	< 200
Area E Water	6/21/2019	< 25	95	2,600	< 25	< 25	**860**	180	**770**	**490**	7.3	110	**1,100**	< 25	< 25	< 25	760	**1,900**
Area E Tide	7/3/2019	< 10	< 10	160	< 10	< 10	< 10	< 10	< 10	< 10	< 1.0	26	< 20	< 10	< 10	< 10	11	< 400
Silicon Valley Wastewater Strength Limitations		**--**	**100**	**--**	**--**	**40**	**200**	**--**	**200**	**200**	**2**	**--**	**60**	**--**	**100**	**--**	**--**	**1,000**

Notes
Bold text indicates concentration exceeds Silicon Valley Wastewater Strength Limitation
-- - Waste water limitation not established
< 50 - Analyte not detected at or above the laboratory reporting limit (50 µg/L)
µg/L - Micrograms per liter
Silicon Valley Wastewater Strength Limitations - Wastewater strenght limitations from the Regulations of Silicon Valley Clean Water, Section 2.3

Table 7
Soil Vapor Analytical Results
1548 Maple Street Development
Redwood City, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	Pressure	Barometric Pressure	Benzene	Toluene	Ethyl benzene	p/m-Xylene	o-Xylene	Total Xylenes	Acetone	Butane	Bromomethane	sec-Butyl-benzene	tert-Butyl-benzene	2-Butanone	Carbon Disulfide	Carbon Tetra-chloride	Chloro benzene	Chloro ethane	Chloroform	Chloro methane	Cycloh-exane	Dichlorodifluoromethane	Dichlorotetrafluoroethane	1,1-Difluoroethane	1,2-Dichloro benzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	T-1,2-Dichloroethene
			inches of Water Column																														
SOIL VAPOR																																	
SG-1	April 2011	3.8	--	--	< 30	43	< 41	--	--	--	--	--	--	--	--	--	370	--	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--
~~SG-2~~	~~April 2011~~	~~4.2~~	--	--	~~32~~	~~40~~	~~64~~	--	--	--	--	--	--	--	--	--	~~730~~	--	--	--	--	--	~~44~~	--	--	--	--	--	--	--	--	--	--
B-1	09/23/16	4.5	0.386**	29.85	9.42	69.3	< 10.9	< 21.7	< 10.9	--	--	--	--	--	--	--	--	< 15.7	< 11.5	12.8	< 12.2	19.3	--	< 12.4	--	--	< 15.0	< 15.0	< 15.0	--	--	--	--
B-2[1]	09/23/16	--	0.28	29.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	~~09/23/16~~	~~3.0~~	~~0.77~~	~~29.86~~	~~3,490~~	~~4,340~~	~~104,000~~	~~1,890~~	~~< 868~~	--	--	--	--	--	--	--	--	**~~< 1,260~~**	**~~87,900~~**	~~< 528~~	**~~< 977~~**	~~< 413~~	--	~~< 989~~	--	--	~~< 1,200~~	~~< 1,200~~	**~~< 1,200~~**	--	--	--	--
	08/12/20	14.6	--	--	13.4	156	18.4	63.6	26.9	90.5	--	--	< 0.388	--	--	--	--	1.13	< 0.460	1.40	17.3	4.28	--	3.28	< 0.699	--	< 0.601	< 0.601	< 0.601	< 0.397	< 0.405	< 0.405	< 0.396
B-4	09/23/16	4.5	-0.219	29.85	161	92.0	279	< 86.8	< 43.4	--	--	--	--	--	--	--	--	**< 62.9**	2,150	< 26.4	< 48.8	< 20.7	--	< 49.5	--	--	< 60.1	< 60.1	< 60.1	--	--	--	--
B-5	09/23/16	4.5	0.11	29.87	< 63.9	9,560	118	453	160	--	--	--	--	--	--	--	--	**< 126**	< 92.1	< 52.8	**< 97.7**	< 41.3	--	< 98.9	--	--	< 120	< 120	< 120	--	--	--	--
B-6	09/23/16	4.5	0.4901	29.87	12.0	31.2	17.3	< 17.4	< 8.68	--	--	--	--	--	--	--	--	< 12.6	23.3	< 5.28	< 9.77	< 4.13	--	< 9.89	--	--	< 12.0	< 12.0	< 12.0	--	--	--	--
B-15	09/27/17	3.5	--	--	< 16	< 19	< 22	< 87	< 22	--	220	820	--	< 27	< 27	< 44	200	< 31	< 23	< 13	< 24	< 10	340	< 25	--	< 54	< 30	< 30	< 30	--	--	--	--
B-16	09/20/17	4.5	--	--	1,300	77	3,000	58	24	--	59	200	--	17	< 2.7	11	640	< 3.1	4,900	< 1.3	< 2.4	< 1.0	120	< 2.5	--	< 5.4	< 3.0	< 3.0	14	--	--	--	--
B-17	09/20/17	4.5	--	--	2,100	42	240	180	130	--	< 95	1,500	--	440	< 55	< 88	< 120	**< 63**	13,000	< 26	< 49	< 21	520	< 49	--	< 110	< 60	< 60	**230**	--	--	--	--
B-18	09/20/17	4.5	--	--	40	81	85	< 9.0	4.5	--	220	46	--	4.2	< 2.9	33	670	< 3.3	340	< 1.4	9.2	3.3	24	< 2.6	--	< 5.6	4.2	< 3.1	< 3.1	--	--	--	--
B-19	~~09/20/17~~	~~4.75~~	--	--	~~5,500~~	~~620~~	~~11,000~~	~~740~~	~~420~~	--	~~< 95~~	~~580~~	--	~~1,700~~	~~< 55~~	~~< 88~~	~~< 120~~	**~~< 63~~**	**~~40,000~~**	~~< 26~~	~~< 49~~	~~< 21~~	~~300~~	~~< 49~~	--	~~< 110~~	~~81~~	~~280~~	**~~2,000~~**	--	--	--	--
	08/12/20	16.6	--	--	32.7	26.5	53.1	27.1	7.49	34.6	--	--	< 0.388	--	--	--	--	< 0.629	143	0.930	0.612	3.89	--	1.84	< 0.699	--	9.59	6.74	48.6	<0.397	0.645	< 0.405	< 0.396
B-20	~~09/20/17~~	~~4.5~~	--	--	~~1,200~~	~~1,900~~	~~49,000~~	~~800~~	~~370~~	--	~~150~~	~~660~~	--	~~1,600~~	~~< 55~~	~~< 88~~	~~970~~	**~~< 63~~**	**~~71,000~~**	~~< 26~~	~~< 49~~	~~22~~	~~190~~	~~< 49~~	--	~~< 110~~	~~< 60~~	~~120~~	**630**	--	--	--	--
	08/12/20	15.2	--	--	52.4	25.3	17.3	11.6	5.64	17.3	--	--	2.40	--	--	--	--	< 0.629	75.3	2.68	1.24	6.04	--	2.30	< 0.699	--	< 0.601	< 0.601	1.28	0.604	0.807	< 0.405	0.699
~~B-21~~	~~09/19/17~~	~~4.25~~	--	--	~~< 2.2~~	~~< 2.6~~	~~< 3.0~~	~~< 12~~	~~< 3.0~~	--	~~12~~	~~< 17~~	--	~~< 3.8~~	~~< 3.8~~	~~< 6.2~~	~~< 8.7~~	~~< 4.4~~	~~3.5~~	~~< 1.8~~	~~< 3.4~~	~~< 1.4~~	~~< 2.4~~	~~< 3.5~~	--	~~< 7.6~~	~~< 4.2~~	~~< 4.2~~	~~< 4.2~~	--	--	--	--
~~B-22~~	~~09/19/17~~	~~4.5~~	--	--	~~49~~	~~69~~	~~70~~	~~< 170~~	~~< 43~~	--	~~580~~	~~570~~	--	~~< 55~~	~~< 55~~	~~< 88~~	~~1,100~~	**~~< 63~~**	~~< 46~~	~~< 26~~	~~< 49~~	~~< 21~~	~~290~~	~~< 49~~	--	~~< 110~~	~~< 60~~	~~< 60~~	~~< 60~~	--	--	--	--
B-35	11/09/17	4.5	--	--	6.9	27	8.5	21	9.1	--	--	--	--	--	--	--	--	< 0.63	2.5	1.1	< 1.2	41	--	< 1.2	--	3.1	--	--	--	--	--	--	--
B-36	11/09/17	4.5	--	--	6.8	13	7.3	26	12	--	--	--	--	--	--	--	--	< 0.63	8.3	1.4	< 1.2	12	--	< 1.2	--	< 6.8	--	--	--	--	--	--	--
B-37	11/09/17	4.5	--	--	6.8	11	5.7	18	7.3	--	--	--	--	--	--	--	--	< 0.63	4.8	< 0.66	2.1	34	--	< 1.2	--	< 6.8	--	--	--	--	--	--	--
B-38	11/11/17	4.0	--	--	44	33	63	< 87	< 22	--	< 48	1,400	--	< 27	< 27	< 44	< 62	< 31	< 23	< 13	< 24	< 10	130	< 25	--	< 54	< 30	< 30	< 30	--	--	--	--
B-39	11/10/17	4.0	--	--	140	160	5,700	95	71	--	180	590	--	360	< 27	49	240	< 31	1,600	< 13	< 24	< 10	73	< 25	--	< 54	80	52	86	--	--	--	--
B-40	11/11/17	3.5	--	--	960	160	2,800	250	120	--	< 95	1900	--	290	< 55	< 88	620	**< 63**	8,000	< 26	< 49	< 21	130	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-41	~~11/14/17~~	~~3.5~~	--	--	~~4,300~~	~~180~~	~~710~~	~~1,400~~	~~890~~	--	~~< 95~~	~~260~~	--	~~7,600~~	~~< 55~~	~~< 88~~	~~< 120~~	**~~< 63~~**	**~~44,000~~**	~~< 26~~	~~< 49~~	~~< 21~~	~~270~~	~~< 49~~	--	~~< 110~~	~~69~~	~~330~~	**~~1,900~~**	--	--	--	--
	08/12/20	15.8	--	--	1.90	3.23	1.27	7.43	1.51	8.94	--	--	< 0.388	--	--	--	--	< 0.629	< 0.460	< 0.264	< 0.488	1.02	--	2.46	< 0.699	--	< 0.601	< 0.601	< 0.601	< 0.397	< 0.405	< 0.405	< 0.396
Helium %v Adjusted Concentrations					1.92	3.27	1.28	7.52	1.53	9.04	--	--	< 0.393	--	--	--	--	< 0.636	< 0.465	< 0.267	< 0.494	1.03	--	2.49	< 0.707	--	< 0.608	< 0.608	< 0.608	< 0.402	< 0.410	< 0.410	< 0.401
B-42	11/11/17	2.5	--	--	910	68	190	< 170	< 43	--	< 95	710	--	< 55	< 55	< 88	< 120	**< 63**	4,100	< 26	< 49	< 21	270	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-43	11/14/17	4.0	--	--	1,500	180	3,700	360	160	--	< 95	520	--	600	61	< 88	< 120	**< 63**	18,000	< 26	< 49	< 21	140	< 49	--	< 110	170	200	**1,100**	--	--	--	--
B-44	11/14/17	4.0	--	--	< 32	91	210	< 170	< 43	--	< 95	4,200	--	< 55	< 55	< 88	190	**< 63**	320	< 26	< 49	30	110	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-45	11/11/17	4.0	--	--	310	130	900	< 170	< 43	--	320	1,300	--	< 55	< 55	< 88	630	**< 63**	4,300	< 26	< 49	< 21	170	< 49	--	< 110	65	< 60	**140**	--	--	--	--
B-46	11/11/17	4.0	--	--	59	42	< 43	< 170	< 43	--	< 95	1,200	--	< 55	< 55	< 88	490	**< 63**	3,700	< 26	< 49	< 21	240	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-47	11/11/17	4.0	--	--	270	110	850	< 170	< 43	--	< 95	1,100	--	< 55	< 55	< 88	820	**< 63**	2,100	< 26	< 49	< 21	< 34	< 49	--	< 110	< 60	61	< 60	--	--	--	--
B-48	11/11/17	4.5	--	--	4.5	21	4.2	12	4.3	--	75	57	--	< 2.7	< 2.7	14	< 6.2	< 3.1	< 2.3	< 1.3	< 2.4	1.6	5.5	< 2.5	--	< 5.4	< 3.0	4.9	< 3.0	--	--	--	--
B-49	11/10/17	4.5	--	--	< 32	63	< 43	< 170	< 43	--	1100	490	--	< 55	< 55	< 88	< 120	**< 63**	< 46	< 16	< 49	< 21	< 34	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-50	11/10/17	4.5	--	--	< 32	160	50	180	50	--	< 95	310	--	< 55	< 55	< 88	< 120	**< 63**	< 46	< 26	< 49	< 21	190	< 49	--	< 110	< 60	< 60	< 60	--	--	--	--
B-51	11/10/17	4.5	--	--	13	23	11	32	15	--	130	120	--	< 3.6	< 3.6	31	890	< 4.2	< 3.0	< 1.7	4.0	< 1.4	50	< 3.3	--	< 7.1	< 4.0	50	< 4.0	--	--	--	--
B-52	11/11/17	3.5	--	--	12	51	11	43	17	--	--	--	--	--	--	--	--	< 0.63	< 1.2	< 0.66	7.0	0.69	--	2.4	--	< 6.8	--	--	--	--	--	--	--
B-53	11/11/17	3.5	--	--	4.1	9.4	4.9	13	5.0	--	--	--	--	--	--	--	--	< 0.63	1.7	1.5	< 1.2	16	--	1.3	--	2.3	--	--	--	--	--	--	--
B-54	~~11/11/17~~	~~2.5~~	--	--	~~1,600~~	~~1,900~~	~~22,000~~	~~630~~	~~190~~	--	~~< 95~~	~~600~~	--	~~600~~	~~< 55~~	~~< 88~~	~~140~~	**~~< 63~~**	~~9,300~~	~~< 26~~	~~< 49~~	~~< 21~~	~~260~~	~~< 49~~	--	~~< 110~~	~~< 60~~	~~< 60~~	~~< 60~~	--	--	--	--
B-60	08/12/20	14.5	--	--	20.7	17.9	18.3	12.9	7.12	20.0	--	--	< 0.777	--	--	--	--	< 1.26	522	0.992	< 0.977	2.77	--	2.42	< 1.40	--	29.4	11.4	79.0	< 0.793	< 0.810	< 0.809	< 0.793
B-61	08/12/20	14.5	--	--	25.6	10.8	4.55	4.39	1.24	5.63	--	--	< 0.388	--	--	--	--	< 0.629	11.0	2.55	0.780	2.05	--	2.58	< 0.699	--	< 0.601	< 0.601	< 0.601	< 0.397	< 0.405	< 0.405	21.6
B-62	11/12/20	11.0	0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-63	11/12/20	11.0	0.007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-64	11/12/20	11.0	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-65	11/12/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-66	11/12/20	5.5	1.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-67	11/13/20	5.5	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-68	11/13/20	6.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-69	11/13/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-70-B	11/13/20	6	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-71	11/13/20	5.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-72	11/13/20	11.0	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-73	11/13/20	11.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-74	11/13/20	11.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-75	11/13/20	7.0	0.314	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-76	11/13/20	4.5	-0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-77	11/13/20	4.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-78	11/13/20	2.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMBIENT AIR																																	
AA-091917	09/19/17	--	--	--	0.34	1.8	0.3	0.68	0.34	--	--	--	--	--	--	--	--	0.63	< 0.12	< 0.066	< 0.12	1.2	--	3.3	--	--	--	--	--	--	--	--	--
AA-092017	09/20/17	--	--	--	0.71	2	0.65	1.1	0.56	--	--	--	--	--	--	--	--	0.68	< 0.12	< 0.066	0.16	1.2	--	3.2	--	--	--	--	--	--	--	--	--
AA-110917	11/09/17	--	--	--	0.44	0.81	0.16	0.5	0.2	--	--	--	--	--	--	--	--	0.66	< 0.12	< 0.066	0.13	1.2	--	3.1	--	1.4	--	--	--	--	--	--	--
AA-111017	11/10/17	--	--	--	0.66	1.6	0.31	1	0.42	--	--	--	--	--	--	--	--	0.61	< 0.12	0.072	0.17	1.2	--	2.8	--	1.9	--	--	--	--	--	--	--
AA-111117	11/11/17	--	--	--	0.52	0.94	0.2	0.61	0.25	--	--	--	--	--	--	--	--	0.66	< 0.12	< 0.066	0.14	1.0	--	3.4	--	1.3	--	--	--	--	--	--	--
AA-081220	08/12/20				< 0.160	0.303	0.0706	0.194	0.0885	0.282	--	--	< 0.0388	--	--	--	--	0.456	< 0.0460	< 0.0264	0.0928	0.699	--	1.33	0.120	--	< 0.0601	< 0.0601	< 0.0601	< 0.0397	< 0.0405	< 0.0405	< 0.0396
Response Plan Criteria					**NA**	**1.6E+05**	**NA**	**5.2E+04**	**5.2E+04**	**5.2E+04**	**1.6E+07**	--	**2.6E+03**	--	--	--	--	**3.3E+01**	**2.6E+04**	**5.2E+06**	**6.1E+01**	**4.7E+04**	--	--	--	--	**1.0E+05**	--	**1.3E+02**	**3.7E+04**	**8.8E+02**	**5.4E+01**	**3.1E+04**
LTCP Scenario 4 Residential Screening Levels					8.50E+04	--	1.10E+06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7
Soil Vapor Analytical Results
1548 Maple Street Development
Redwood City, California

Langan Project: 731685405
December 2020

Sample ID	Date Sampled	Sample Depth (feet bgs)	Pressure	Barometric Pressure	C-1,2-Dichloroethene	1,2-Dichloropropane	C-1,3-Dichloropropene	T-1,3-Dichoropropene	1,2-Dibromoethane	Ethanol	4-Ethyl-toluene	Heptane	Hexane	Hexachloro-butadiene	Isobutane	Isopropyl benzene	Isopro-panol	p-Isopropyl-toluene	Methanol	MTBE	Methylene Chloride	Methyl Methacrylate	Naphthalene	Propane	Propene	n-Propyl-benzene	Propylene	Styrene	Tert-Butyl Alcohol	PCE	TCE	Trichloro-fluoro-methane
			inches of Water Column		(µg/m³)																											
SOIL VAPOR																																
SG-1	April 2011	3.8	--	--	--	--	--	--	--	--	--	<39	86	--	--	--	--	--	--	<34	--	--	--	--	--	--	2,800	--	--	--	--	--
~~SG-2~~	~~April 2011~~	~~4.2~~	--	--	--	--	--	--	--	--	--	~~50~~	~~69~~	--	--	--	--	--	--	~~150~~	--	--	--	--	--	--	~~2,800~~	--	--	--	--	--
B-1	09/23/16	4.5	0.386**	29.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 8.68	--	--	--	--	--	--	< 10.6	--	18.4	< 13.4	< 14.0
B-2[1]	09/23/16	--	0.28	29.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	~~09/23/16~~	~~3.0~~	~~0.77~~	~~29.86~~	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**< 695**	--	--	--	--	--	--	~~< 852~~	--	**< 1,360**	**< 1,070**	~~< 1,120~~
	08/12/20	14.6	--	--	< 0.397	< 0.462	< 0.454	< 0.454	< 0.768	--	--	--	--	< 1.07	--	--	--	--	--	--	< 10.4	--	33.7	--	--	--	--	1.52	--	2.65	7.33	5.55
B-4	09/23/16	4.5	-0.219	29.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 34.7	--	--	--	--	--	--	< 42.6	--	< 67.8	< 53.7	< 56.2
B-5	09/23/16	4.5	0.11	29.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 69.5	--	--	--	--	--	--	< 85.2	--	< 136	< 107	< 112
B-6	09/23/16	4.5	0.4901	29.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 6.95	--	--	--	--	--	--	< 8.52	--	31.1	< 10.7	< 11.2
B-15	09/27/17	3.5	--	--	--	--	--	--	--	< 94	< 25	130	240	--	570	< 25	< 120	< 27	< 660	83	< 170	< 20	--	1,600	< 170	< 25	--	< 64	< 61	< 34	< 27	< 56
B-16	09/20/17	4.5	--	--	--	--	--	--	--	140	7.9	140	180	--	64	86	< 12	3.2	120	540	< 17	16	--	310	150	11	--	16	< 6.1	< 3.4	< 2.7	< 5.6
B-17	09/20/17	4.5	--	--	--	--	--	--	--	< 190	96	910	860	--	970	730	< 250	< 55	< 1,300	< 140	< 350	< 41	--	< 540	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-18	09/20/17	4.5	--	--	--	--	--	--	--	< 9.8	< 2.6	27	29	--	26	4.7	< 13	28	< 68	370	< 18	2.9	--	< 28	< 18	< 2.6	--	< 6.6	< 6.3	8.6	< 2.8	7.5
B-19	~~09/20/17~~	~~4.75~~	--	--	--	--	--	--	--	~~< 190~~	~~230~~	~~550~~	~~420~~	--	~~< 240~~	~~1,600~~	~~< 250~~	~~510~~	~~< 1,300~~	~~< 140~~	~~< 350~~	~~< 41~~	--	~~< 540~~	~~< 340~~	~~< 49~~	--	~~440~~	~~< 120~~	~~< 68~~	~~< 54~~	~~< 110~~
	08/12/20	16.6	--	--	1.14	< 0.462	< 0.454	< 0.454	< 0.768	--	--	--	--	< 1.07	--	--	--	--	--	--	< 10.4	--	**56.5**	--	--	--	--	6.39	--	4.06	41.2	6.98
B-20	~~09/20/17~~	~~4.5~~	--	--	--	--	--	--	--	~~< 190~~	~~200~~	~~460~~	~~220~~	--	~~920~~	~~2,000~~	~~< 250~~	~~130~~	~~< 1,300~~	~~< 140~~	~~< 350~~	~~< 41~~	--	~~4,500~~	~~< 340~~	~~290~~	--	~~< 130~~	~~< 120~~	~~< 68~~	~~< 54~~	~~< 110~~
	08/12/20	15.2	--	--	5.53	< 0.462	< 0.454	< 0.454	< 0.768	--	--	--	--	< 1.07	--	--	--	--	--	--	< 10.4	--	8.85	--	--	--	--	3.07	--	42.6	51.7	4.71
~~B-21~~	~~09/19/17~~	~~4.25~~	--	--	--	--	--	--	--	~~< 13~~	~~< 3.4~~	~~< 11~~	~~< 9.9~~	--	~~< 17~~	~~< 3.4~~	~~< 17~~	~~< 3.8~~	~~< 92~~	~~< 10~~	~~< 24~~	~~< 2.9~~	--	~~< 38~~	~~< 24~~	~~< 3.4~~	--	~~< 8.9~~	~~< 8.5~~	~~< 4.7~~	~~5~~	~~< 7.9~~
~~B-22~~	~~09/19/17~~	~~4.5~~	--	--	--	--	--	--	--	~~< 190~~	~~< 49~~	~~240~~	~~220~~	--	~~690~~	~~< 49~~	~~< 250~~	~~< 55~~	~~< 1,300~~	~~160~~	~~< 350~~	~~< 41~~	--	~~2,800~~	~~< 340~~	~~< 49~~	--	~~< 130~~	~~< 120~~	~~160~~	~~< 54~~	~~< 110~~
B-35	11/09/17	4.5	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	--	--	--	< 0.90	0.88	--	--	--	--	--	--	--	--	7.2	< 1.3	< 1.4
B-36	11/09/17	4.5	--	--	--	--	--	--	--	--	8.7	--	--	--	--	--	--	--	--	< 0.90	1	--	--	--	--	--	--	--	--	2.1	< 1.3	< 1.4
B-37	11/09/17	4.5	--	--	--	--	--	--	--	--	6.5	--	--	--	--	--	--	--	--	< 0.90	0.94	--	--	--	--	--	--	--	--	4.3	< 1.3	< 1.4
B-38	11/11/17	4.0	--	--	--	--	--	--	--	< 94	< 25	96	270	--	1,000	< 25	< 120	36	< 660	< 72	< 170	< 20	--	6,200	< 170	< 25	--	< 64	< 61	< 34	< 27	< 56
B-39	11/10/17	4.0	--	--	--	--	--	--	--	< 94	120	< 82	130	--	570	400	< 120	140	< 660	< 72	< 170	< 20	--	1,600	540	< 25	--	< 64	< 61	< 34	< 27	< 56
B-40	11/11/17	3.5	--	--	--	--	--	--	--	< 190	69	250	480	--	650	590	< 250	< 55	< 1,300	< 140	< 350	< 41	--	4,500	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-41	~~11/14/17~~	~~3.5~~	--	--	--	--	--	--	--	~~< 190~~	~~840~~	~~720~~	~~280~~	--	~~< 240~~	~~7,700~~	~~< 250~~	~~< 55~~	~~< 1,300~~	~~< 140~~	~~< 350~~	~~< 41~~	--	~~< 540~~	~~600~~	~~< 49~~	--	~~< 130~~	~~< 120~~	~~< 68~~	~~< 54~~	~~< 110~~
	08/12/20	15.8	--	--	< 0.397	< 0.462	< 0.454	< 0.454	< 0.768	--	--	--	--	< 1.07	--	--	--	--	--	--	< 10.4	--	11.2	--	--	--	--	0.615	--	1.43	0.894	1.61
	Helium %v Adjusted Concentrations				< 0.402	< 0.467	< 0.459	< 0.459	< 0.777	--	--	--	--	< 1.083	--	--	--	--	--	--	< 10.522	--	11.33	--	--	--	--	0.62	--	1.45	0.90	1.63
B-42	11/11/17	2.5	--	--	--	--	--	--	--	< 190	< 49	290	360	--	850	120	< 250	< 55	< 1,300	< 140	< 350	< 41	--	1,600	600	< 49	--	< 130	< 120	< 68	< 54	< 110
B-43	11/14/17	4.0	--	--	--	--	--	--	--	< 190	220	180	170	--	540	930	< 250	210	< 1,300	< 140	< 350	< 41	--	1,100	500	120	--	< 130	< 120	< 68	< 54	< 110
B-44	11/14/17	4.0	--	--	--	--	--	--	--	< 190	< 49	< 160	320	--	1,400	< 49	< 250	69	< 1,300	**6,200**	< 350	< 41	--	6,500	1,300	< 49	--	< 130	< 120	70	< 54	< 110
B-45	11/11/17	4.0	--	--	--	--	--	--	--	< 190	< 49	< 160	170	--	1,000	82	< 250	< 55	< 1,300	580	< 350	< 41	--	5,000	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-46	11/11/17	4.0	--	--	--	--	--	--	--	< 190	< 49	350	410	--	1,500	68	< 250	< 55	< 1,300	< 140	< 350	< 41	--	1,700	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-47	11/11/17	4.0	--	--	--	--	--	--	--	< 190	< 49	< 160	280	--	330	< 49	< 250	< 55	< 1,300	< 140	< 350	< 41	--	2,000	920	< 49	--	< 130	< 120	< 68	< 54	< 110
B-48	11/11/17	4.5	--	--	--	--	--	--	--	92	< 2.5	< 8.2	12	--	32	< 2.5	27	< 2.7	87	< 7.2	< 17	< 2.0	--	92	33	< 2.5	--	< 6.4	< 6.1	< 3.4	< 5.6	< 5.6
B-49	11/10/17	4.5	--	--	--	--	--	--	--	< 190	< 49	< 160	400	--	250	< 49	< 250	< 55	< 1,300	< 140	< 350	< 41	--	< 540	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-50	11/10/17	4.5	--	--	--	--	--	--	--	< 190	< 49	< 160	< 140	--	< 240	< 49	< 250	< 55	< 1,300	< 140	< 350	< 41	--	620	< 340	< 49	--	< 130	< 120	< 68	< 54	< 110
B-51	11/10/17	4.5	--	--	--	--	--	--	--	15	12	38	41	--	77	< 3.2	39	< 3.6	< 86	90	< 23	< 2.7	--	230	200	6.9	--	< 8.4	18	6.8	< 3.5	< 7.4
B-52	11/11/17	3.5	--	--	--	--	--	--	--	--	11	--	--	--	--	--	--	--	--	4.5	1.1	--	--	--	--	--	--	--	--	7.2	< 1.3	2.0
B-53	11/11/17	3.5	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	--	--	--	43	0.98	--	--	--	--	--	--	--	--	< 1.7	< 1.3	< 1.4
B-54	~~11/11/17~~	~~2.5~~	--	--	--	--	--	--	--	~~< 190~~	~~100~~	~~880~~	~~370~~	--	~~< 240~~	~~1,400~~	~~< 250~~	~~71~~	~~< 1,300~~	~~240~~	~~< 350~~	~~< 41~~	--	~~1,100~~	~~1,100~~	~~< 49~~	--	~~< 130~~	~~< 120~~	~~< 68~~	~~< 54~~	~~< 110~~
B-60	08/12/20	14.5	--	--	2.26	< 0.924	< 0.908	< 0.908	< 1.54	--	--	--	--	< 2.13	--	--	--	--	--	--	< 20.8	--	9.55	--	--	--	--	5.75	--	1.99	9.49	2.34
B-61	08/12/20	14.5	--	--	187	< 0.462	< 0.454	< 0.454	< 0.768	--	--	--	--	< 1.07	--	--	--	--	--	--	< 10.4	--	< 0.786	--	--	--	--	< 0.426	--	4.29	12.4	3.91
B-62	11/12/20	11.0	0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-63	11/12/20	11.0	0.007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-64	11/12/20	11.0	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-65	11/12/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-66	11/12/20	5.5	1.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-67	11/13/20	5.5	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-68	11/13/20	6.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-69	11/13/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-70-B	11/13/20	6	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-71	11/13/20	5.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-72	11/13/20	11.0	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-73	11/13/20	11.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-74	11/13/20	11.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-75	11/13/20	7.0	0.314	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-76	11/13/20	4.5	-0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-77	11/13/20	4.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-78	11/13/20	2.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMBIENT AIR																																
AA-091917	09/19/17	--	--	--	--	--	--	--	--	--	< 0.25	--	--	--	--	--	--	--	--	< 0.090	2.2	--	--	--	--	--	--	--	--	< 0.17	< 0.13	1.8
AA-092017	09/20/17	--	--	--	--	--	--	--	--	--	< 0.25	--	--	--	--	--	--	--	--	< 0.090	0.4	--	--	--	--	--	--	--	--	< 0.17	< 0.13	2.0
AA-110917	11/09/17	--	--	--	--	--	--	--	--	--	< 0.25	--	--	--	--	--	--	--	--	< 0.090	0.39	--	--	--	--	--	--	--	--	< 0.17	< 0.13	1.5
AA-111017	11/10/17	--	--	--	--	--	--	--	--	--	< 0.25	--	--	--	--	--	--	--	--	< 0.090	0.51	--	--	--	--	--	--	--	--	0.20	< 0.13	1.4
AA-111117	11/11/17	--	--	--	--	--	--	--	--	--	< 0.25	--	--	--	--	--	--	--	--	< 0.090	0.37	--	--	--	--	--	--	--	--	< 0.17	< 0.13	1.6
AA-081220	08/12/20				< 0.0397	< 0.0462	< 0.0454	< 0.0454	< 0.0768	--	--	--	--	< 0.107	--	--	--	--	--	--	< 1.04	--	0.159	--	--	--	--	< 0.0426	--	< 0.0678	< 0.0537	1.37
				Response Plan Criteria	**4.2E+03**	**1.4E+02**	--	--	**2.3E+00**	--	--	--	--	**6.4E+01**	--	--	--	--	--	**5.4E+03**	**5.1E+02**	--	**NA**	--	--	--	--	**4.7E+05**	--	**2.4E+02**	**2.4E+02**	--
				LTCP Scenario 4 Residential Screening Levels	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.30E+04	--	--	--	--	--	--	--	--	--	--	--

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Table 7
Soil Vapor Analytical Results
1548 Maple Street Development
Redwood City, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	Pressure	Barometric Pressure	Trichloro-trifluoro-ethane	1,1,1-Trichloro-ethane	CFC-113	1,1,2-Trichloroe thane	1,1,2,2-Tetrachlo roethane	1,2,4-Trichloro benzene	1,2,4-TMB	1,3,5-TMB	2,2,4-Trimethyl Pentane	Vinyl Chloride	All Other VOCs	Carbon Monoxide (CO)	Carbon Dioxide (CO_2)	Methane (CH_4)	Oxygen (O_2)	Nitrogen (N)	Helium (He)
			inches of Water Column															%v			
SOIL VAPOR																					
SG-1	April 2011	3.8	--	--	--	--	--	--	--	--	--	--	--	**< 24**	--	--	--	**26**	--	--	< 1,600*
~~SG-2~~	~~April 2011~~	~~4.2~~	--	--	--	--	--	--	--	--	--	--	--	**~~21~~**	--	--	--	**~~13~~**	--	--	~~< 2,300*~~
B-1	09/23/16	4.5	0.386**	29.85	--	--	--	--	--	--	< 12.3	< 12.3	--	**< 6.39**	ND	--	6.99	**~~4.16~~**	15.3	73.6	< 0.250
B-2[1]	09/23/16	--	0.28	29.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	~~09/23/16~~	~~3.0~~	~~0.77~~	~~29.86~~	--	--	--	--	--	--	~~< 983~~	~~< 983~~	--	**~~< 511~~**	~~ND~~	--	--	--	--	--	~~< 0.100~~
	08/12/20	14.6	--	--	< 3.83	< 0.546	--	< 0.546	< 0.687	< 0.742	23.7	12.5	--	1.99	--	--	--	0.16	19.4	80.2	< 0.100
B-4	09/23/16	4.5	-0.219	29.85	--	--	--	--	--	--	< 49.2	< 49.2	--	**< 25.6**	ND	--	31.3	**20.7**	6.74	41.3	< 0.100
B-5	09/23/16	4.5	0.11	29.87	--	--	--	--	--	--	< 98.3	< 98.3	--	**< 51.1**	ND	--	--	--	--	--	< 0.100
B-6	09/23/16	4.5	0.4901	29.87	--	--	--	--	--	--	< 9.83	< 9.83	--	**< 5.11**	ND	--	31.1	**18.4**	9.61	40.9	< 0.100
B-15	09/27/17	3.5	--	--	--	--	< 110	--	--	--	< 74	< 25	420	< 1.3	ND	< 0.500	9.96	**10.5**	12.6	67.0	< 0.0100
B-16	09/20/17	4.5	--	--	--	--	< 11	--	--	--	8.2	< 2.5	260	< 1.3	ND	--	--	--	--	--	< 0.0100
B-17	09/20/17	4.5	--	--	--	--	< 230	--	--	--	< 150	< 49	< 47	**< 26**	ND	< 0.500	22.1	**64.1**	2.19	9.55	< 0.0100
B-18	09/20/17	4.5	--	--	--	--	< 12	--	--	--	< 7.7	< 2.6	6.7	< 1.3	ND	--	--	--	--	--	< 0.0100
B-19	~~09/20/17~~	~~4.75~~	--	--	--	--	~~< 230~~	--	--	--	~~1,000~~	~~330~~	~~< 47~~	**~~< 26~~**	~~ND~~	--	--	--	--	--	~~< 0.0100~~
	08/12/20	16.6	--	--	< 3.83	< 0.546	--	< 0.546	< 0.687	1.65	27.4	24.7	--	1.3	--	--	--	0.17	17.7	81.0	< 0.100
B-20	~~09/20/17~~	~~4.5~~	--	--	--	--	~~< 230~~	--	--	--	~~700~~	~~280~~	~~55~~	**~~< 26~~**	~~ND~~	--	--	--	--	--	~~< 0.0100~~
	08/12/20	15.2	--	--	< 3.83	< 0.546	--	< 0.546	< 0.687	< 0.742	4.55	3.37	--	2.64	--	--	--	0.408	17.0	82.4	< 0.100
~~B-21~~	~~09/19/17~~	~~4.25~~	--	--	--	--	~~< 16~~	--	--	--	~~< 10~~	~~< 3.4~~	~~< 3.3~~	~~< 1.8~~	~~ND~~	~~< 0.500~~	~~< 0.500~~	~~< 0.500~~	~~21.2~~	~~78.3~~	~~< 0.0100~~
~~B-22~~	~~09/19/17~~	~~4.5~~	--	--	--	--	~~< 230~~	--	--	--	~~< 150~~	~~62~~	~~< 47~~	**~~< 26~~**	~~ND~~	~~< 0.500~~	~~< 0.500~~	**~~36.4~~**	~~6.81~~	~~56.8~~	~~< 0.0100~~
B-35	11/09/17	4.5	--	--	--	--	< 1.9	--	--	--	20	6.2	--	< 0.26	ND	--	--	--	--	--	< 0.0100
B-36	11/09/17	4.5	--	--	--	--	< 1.9	--	--	--	36	13	--	< 0.26	ND	--	11.9	**20.3**	6.57	61.2	1.00
B-37	11/09/17	4.5	--	--	--	--	< 1.9	--	--	--	36	11	--	< 0.26	ND	--	--	--	--	--	< 0.0100
B-38	11/11/17	4.0	--	--	--	--	< 110	--	--	--	< 74	< 25	< 23	**< 13**	ND	--	24.8	**47.5**	4.84	22.8	< 0.0100
B-39	11/10/17	4.0	--	--	--	--	< 110	--	--	--	< 74	< 25	< 23	**< 13**	ND	--	--	--	--	--	< 0.0100
B-40	11/11/17	3.5	--	--	--	--	< 230	--	--	--	190	< 49	< 47	**< 26**	ND	--	--	--	--	--	< 0.0100
B-41	~~11/14/17~~	~~3.5~~	--	--	--	--	~~< 230~~	--	--	--	~~3,600~~	~~920~~	~~< 47~~	**28**	~~ND~~	--	--	--	--	--	~~< 0.0100~~
	08/12/20	15.8	--	--	< 3.83	< 0.546	--	< 0.546	< 0.687	< 0.742	0.55	< 0.492	--	< 0.0895	--	--	--	< 0.100	19.7	80.2	1.17
	Helium %v Adjusted Concentrations				< 3.875	< 0.552	--	< 0.552	< 0.695	< 0.751	0.56	< 0.498	--	< 0.091	--	--	--	< 0.101	19.93	81.14	--
B-42	11/11/17	2.5	--	--	--	--	< 230	--	--	--	< 150	< 49	92	**< 26**	ND	--	23.4	**24.3**	5.45	46.8	< 0.0100
B-43	11/14/17	4.0	--	--	--	--	< 230	--	--	--	230	77	< 47	**< 26**	ND	--	--	--	--	--	< 0.0100
B-44	11/14/17	4.0	--	--	--	--	< 230	--	--	--	< 150	< 49	73	**< 26**	ND	--	25.1	**3.51**	5.23	66.2	< 0.0100
B-45	11/11/17	4.0	--	--	--	--	< 230	--	--	--	< 150	< 49	< 47	**< 26**	ND	--	--	--	--	--	< 0.0100
B-46	11/11/17	4.0	--	--	--	--	< 230	--	--	--	< 150	< 49	51	**< 26**	ND	--	--	--	--	--	< 0.0100
B-47	11/11/17	4.0	--	--	--	--	< 230	--	--	--	< 150	< 49	< 47	**< 26**	ND	--	13.7	1.11	11.7	73.5	< 0.0100
B-48	11/11/17	4.5	--	--	--	--	< 11	--	--	--	< 7.4	< 2.5	5.9	< 1.3	ND	--	--	--	--	--	< 0.0100
B-49	11/10/17	4.5	--	--	--	--	< 230	--	--	--	< 150	< 49	< 47	**< 26**	ND	--	20.2	**12.4**	4.85	62.6	< 0.0100
B-50	11/10/17	4.5	--	--	--	--	< 230	--	--	--	< 150	< 49	< 47	**< 26**	ND	--	--	--	--	--	< 0.0100
B-51	11/10/17	4.5	--	--	--	--	< 15	--	--	--	52	33	700	< 1.7	ND	--	--	--	--	--	< 0.0100
B-52	11/11/17	3.5	--	--	--	--	< 1.9	--	--	--	65	25	--	< 0.26	ND	--	--	--	--	--	0.0517
B-53	11/11/17	3.5	--	--	--	--	< 1.9	--	--	--	16	6.9	--	< 0.26	ND	--	--	--	--	--	< 0.0100
B-54	~~11/11/17~~	~~2.5~~	--	--	--	--	~~< 230~~	--	--	--	~~< 150~~	~~120~~	~~< 47~~	**~~< 26~~**	~~ND~~	--	--	--	--	--	~~< 0.0100~~
B-60	08/12/20	14.5	--	--	< 7.66	< 1.09	--	< 1.09	< 1.37	< 1.48	39.9	13.9	--	0.637	--	--	--	**8.34**	17.0	74.1	< 0.150
B-61	08/12/20	14.5	--	--	< 3.83	< 0.546	--	< 0.546	< 0.687	< 0.742	< 0.492	< 0.492	--	**19.3**	--	--	--	**9.49**	15.7	74.3	< 0.150
B-62	11/12/20	11.0	0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.100	< 0.100	21.6	78.3	< 0.100
B-63	11/12/20	11.0	0.007	--	--	--	--	--	--	--	--	--	--	--	--	--	0.201	< 0.100	18.4	81.4	< 0.100
B-64	11/12/20	11.0	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	0.124	< 0.100	18.5	81.4	< 0.100
B-65	11/12/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	0.236	< 0.100	22.0	77.8	< 0.100
B-66	11/12/20	5.5	1.26	--	--	--	--	--	--	--	--	--	--	--	--	--	10.8	**34.6**	16.4	38.2	< 0.100
B-67	11/13/20	5.5	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.100	1.61	22.4	75.9	< 0.100
B-68	11/13/20	6.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	18.2	**18.3**	8.31	55.2	< 0.100
B-69	11/13/20	5.5	-0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	0.662	< 0.100	20.3	79.0	< 0.100
B-70-B	11/13/20	6	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.100	< 0.100	15.1	84.9	< 0.100
B-71	11/13/20	5.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.100	< 0.100	21.3	78.6	< 0.100
B-72	11/13/20	11.0	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	0.105	< 0.100	17.9	82.0	< 0.100
B-73	11/13/20	11.0	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	0.968	< 0.100	18.4	80.6	< 0.100
B-74	11/13/20	11.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	0.27	< 0.100	21.8	78.0	< 0.100
B-75	11/13/20	7.0	0.314	--	--	--	--	--	--	--	--	--	--	--	--	--	0.836	< 0.150	24.3	74.9	< 0.150
B-76	11/13/20	4.5	-0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	1.09	< 0.100	18.6	80.3	< 0.100
B-77	11/13/20	4.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	0.552	< 0.100	22.3	77.2	< 0.100
B-78	11/13/20	2.5	0	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.100	< 0.100	22.9	77.0	< 0.100
AMBIENT AIR																					
AA-091917	09/19/17	--	--	--	--	--	0.68	--	--	--	< 0.25	< 0.12	--	< 0.026	ND	--	--	--	--	--	--
AA-092017	09/20/17	--	--	--	--	--	0.68	--	--	--	0.36	< 0.12	--	< 0.026	ND	--	--	--	--	--	--
AA-110917	11/09/17	--	--	--	--	--	0.64	--	--	--	< 0.25	< 0.12	--	< 0.026	ND	--	--	--	--	--	--
AA-111017	11/10/17	--	--	--	--	--	0.59	--	--	--	0.42	0.14	--	< 0.026	ND	--	--	--	--	--	--
AA-111117	11/11/17	--	--	--	--	--	0.60	--	--	--	0.50	< 0.12	--	< 0.026	ND	--	--	--	--	--	--
AA-081220	08/12/20				0.520	< 0.0546	--	--	< 0.0687	0.104	0.0657	< 0.0492	--	< 0.00895	--	--	--	--	--	--	--
Response Plan Criteria					--	**5.2E+05**	--	**8.8E+01**	**2.4E+01**	**1.0E+03**	--	--	--	**4.7E+00**	Various	--	--	**2.5*****	--	--	--
LTCP Scenario 4 Residential Screening Levels					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7
Soil Vapor Analytical Results
1548 Maple Street Development
Redwood City, California

Notes:
Bold - Detected concentration or reporting limit is at or above the Response Plan Criteria
~~Strikethrough text~~ indicates data replaced with more recent confirmation sample data or sample location was removed during remedial excavation
bgs - Below ground surface
%v - Percent by volume
< 6.39 - Analyte was not detected above the laboratory reporting limit (6.39 µg/m^3)
µg/m^3- Micrograms per cubic meter
CFC-113 - 1,1,2-Trichloro-1,2,2-Trifluoroethane
ESLs - Environmental screening levels
LTCP - Low-Threat Underground Storage Tank Case Closure Policy (Regional Water Board, 2012)
MTBE - Methyl tert-butyl ether
NA - Criteria not applicable
ND - Not detected at or above the laboratory reporting limit
PCE - Tetrachloroethene
Regional Water Board - Regional Water Quality Control Board
TCE - Trichloroethene
TMB - Trimethylbenzene
Various - Analysis of multiple compounds with various Residential ESLs
VOCs - Volatile organic compounds
– - Not applicable/not analyzed
** - The manometer was over pressurized and readings were not within typical +/- 0.5% accuracy range.
*** - Half of the lower explosive limit for methane of 5% volume (National Institute for Occupational Safety and Health, 2016)
1. Groundwater was encountered during sampling at B-2 so a soil vapor sample was not collected at this location.

Response Plan Criteria - 2016 Residential subslab/soil gas vapor intrusion human health risk ESLs (Table SG-1, February 2016, Rev.3)

Table 8
Soil Vapor Risk Evaluation
1548 Maple Street Development
Redwood City, California

Detected Compounds	Sample ID	Soil Gas Concentration (µg/m^3)	Maximum Reporting Limit (µg/m^3)	Carcinogen Residential Subslab/Soil Gas ESL (µg/m^3)	Non-Carcinogen Residential Subslab/Soil Gas ESL (µg/m^3)	ILCR	Hazard Quotient
Vinyl Chloride	SG-1	**12**	511	4.7	52,000	2.55E-06	0.0002
					Total	3E-06	0.0002
Carbon Tetrachloride	B-4	--	1,260	33	21,000	--	--
Vinyl Chloride	B-4	**13**	511	4.7	52,000	2.72E-06	0.0002
					Total	3E-06	0.0002
Carbon Tetrachloride	B-5	**63**	1,260	33	21,000	1.91E-06	0.003
Chloroform	B-5	--	977	61	51,000	--	--
Vinyl Chloride	B-5	**26**	511	4.7	52,000	5.44E-06	0.0005
					Total	7E-06	0.003
Carbon Tetrachloride	B-17	--	1,260	33	21,000	--	--
1,4-Dichlorobenzene	B-17	230	1,200	130	420,000	1.77E-06	0.0005
Vinyl Chloride	B-17	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	5E-06	0.001
Vinyl Chloride	B-38	**7**	511	4.7	52,000	1.38E-06	0.0001
					Total	1E-06	0.0001
Vinyl Chloride	B-39	**7**	511	4.7	52,000	1.38E-06	0.0001
					Total	1E-06	0.0001
Carbon Tetrachloride	B-40	--	1,260	33	21,000	--	--
Vinyl Chloride	B-40	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Carbon Tetrachloride	B-42	--	1,260	33	21,000	--	--
Vinyl Chloride	B-42	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Carbon Tetrachloride	B-43	--	1,260	33	21,000	--	--
1,4-Dichlorobenzene	B-43	1,100	1,200	130	420,000	8.46E-06	0.003
Vinyl Chloride	B-43	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	1E-05	0.003
Carbon Tetrachloride	B-44	--	1,260	33	21,000	--	--
MTBE	B-44	6,200	140	5,400	1,600,000	1.15E-06	0.004
Vinyl Chloride	B-44	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	4E-06	0.004
Carbon Tetrachloride	B-45	--	1,260	33	21,000	--	--
1,4-Dichlorobenzene	B-45	140	1,200	130	420,000	1.08E-06	0.0003
Vinyl Chloride	B-45	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	4E-06	0.001
Carbon Tetrachloride	B-46	--	1,260	33	21,000	--	--
Vinyl Chloride	B-46	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Carbon Tetrachloride	B-47	--	1,260	33	21,000	--	--
Vinyl Chloride	B-47	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Carbon Tetrachloride	B-49	--	1,260	33	21,000	--	--
Vinyl Chloride	B-49	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Carbon Tetrachloride	B-50	--	1,260	33	21,000	--	--
Vinyl Chloride	B-50	**13**	511	4.7	52,000	2.77E-06	0.0003
					Total	3E-06	0.0003
Vinyl Chloride	B-61	19.3	511	4.7	52,000	4.11E-06	0.0004
					Total	4E-06	0.0004

Notes:
Bold text indicates concentration is a nondetect entered as half the laboratory reporting limit.
µg/m3 - Micrograms per cubic meter
ESL - Environmental screening level
ILCR - Incremental life-time cancer risk
ILCR > 1E-05 or Hazard Index > 1
-- - Half of laboratory reporting limit which does not exceed Response Plan criteria
Hazard Index - Sum of all Hazard Quotients at one sample location
MTBE - Methyl tert-butyl ether

Table 9
Groundwater Analytical Results
1548 Maple Street Development
Redwood City, California

Sample ID	Date	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Total Xylenes	Acetone	Bromo-dichloro-methane	Bromoform	2-Butanone	t-Butyl alcohol	Carbon Disulfide	Chloro-benzene	Chloroform	1,4-Dichloro-benzene	Diiso-propylether	2-Hexanone	MTBE	4-Methyl-2-pentanone	Naphthalene	1,2,4-Trimethyl benzene	Vinyl Chloride	All Other VOCs
		µg/L																							
GP-1	4/7/2008	< 25	< 55	< 220	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	< 0.50	--	< 0.50	--	--	--	--	< 5.0	< 5.0	--	ND
GP-3	4/7/2008	< 25	< 52	< 210	< 0.50	< 0.50	2	< 0.50	--	--	--	--	--	--	14	--	0.72	--	--	--	--	< 5.0	< 5.0	--	ND
GP-4	4/7/2008	< 25	< 70	< 280	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	< 0.50	--	< 0.50	--	--	--	--	< 5.0	< 5.0	--	ND
GP-5	4/7/2008	< 25	< 62	< 250	< 0.50	< 0.50	< 0.50	< 0.50	--	--	--	--	--	--	< 0.50	--	< 0.50	--	--	--	--	< 5.0	< 5.0	--	ND
W-9	4/15/2011	80	--	--	< 0.50	< 0.50	8.36	< 0.50	--	--	--	--	--	--	5.93	--	1.09	--	--	--	--	1.52	< 0.50	--	ND
W-10	4/15/2011	<100	< 50	< 50	**< 2.50**	< 2.50	< 2.50	< 2.50	--	--	--	--	--	--	< 2.50	--	< 2.50	--	--	--	--	< 2.50	< 2.50	--	ND
W-12	4/15/2011	80	< 50	< 50	**1.3**	< 0.50	2.75	<0.50	--	--	--	--	--	--	43.1	--	2.14	--	--	--	--	< 1.00	0.6	--	ND
B-27GW	11/11/2017	450	< 50	< 250	**7.3**	1	**24**	< 1.5	< 100	< 5.0	< 5.0	< 20	< 20	< 5.0	200	**< 5.0**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	ND
B-29GW	11/11/2017	86	7,900	12,000	< 0.50	< 0.50	< 0.50	< 1.5	83	< 0.50	< 0.50	9.9	4	0.87	< 0.50	< 0.50	< 0.50	< 0.50	0.76	< 5.0	0.78	1.3	< 0.50	< 5.0	ND
B-31GW	11/11/2017	1,100	950	2,600	**7.4**	0.55	**24**	2.7	< 200	< 10	< 10	< 40	< 40	< 10	430	**< 10**	**15**	< 10	< 10	9	< 10	< 10	< 10	< 10	ND
B-32GW	11/11/2017	460	220	700	**18**	< 0.50	2.7	< 1.5	< 50	< 2.5	< 10	17	< 10	< 2.5	160	**< 2.5**	< 2.5	< 2.5	< 2.5	21	< 2.5	< 2.5	< 2.5	< 2.5	ND
B-33GW	11/11/2017	< 50	10,000	23,000	< 0.50	0.64	< 0.50	< 1.5	57	< 0.50	< 0.50	9.6	2.6	1.9	2	< 0.50	< 0.50	< 0.50	< 0.50	6.3	< 0.50	< 0.50	< 0.50	< 0.50	ND
B-34GW	11/11/2017	150	100	800	< 0.50	< 0.50	< 0.50	< 1.5	20	1.7	0.8	3.3	< 2.0	2.9	0.98	**3.1**	< 0.50	38	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	ND
Residential ESLs		*	*	*	**1.1**	**3,600**	**13**	**1,300**	**34,000,000**	--	--	--	--	--	**1,400**	**2.3**	**12**	--	--	**1,200**	--	**20**	--	**0.061**	**Various**

Notes:
Bold text indicates concentration or reporting limit exceeds Residential ESL
ESLs - Environmental screening levels
MTBE - Methyl-tert butyl ether
ND - Multiple compounds not detected at or above respective laboratory reporting limits
Regional Water Board - Regional Water Quality Control Board
Total Xylenes - Sum of p/m and o xylenes
TPHd - Total petroleum hydrocarbons as diesel
TPHg - Total petroleum hydrocarbons as gasoline
TPHmo - Total petroleum hydrocarbons as motor oil
Various - ESLs for multiple compounds
µg/L - micrograms per liter
< 25 - Analyte not detected at or above laboratory reporting limit (25 µg/L)
-- - Not analyzed/not applicable
* - Residential shallow groundwater vapor intrusion human health risk level not applicable.
Residential ESLs - Residential shallow groundwater vapor intrusion human health risk ESL (Regional Water Board ESLs, Table GW-3, February 2016, Rev. 3)

Table 10
Soil Analytical Results for Metals
1548 Maple Street Development
Redwood City, California

Sample ID	Date	Depth (feet bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg										mg/L		mg/kg							
GP-1	4/7/2008	1.0	<1.0	**<1.0**	180	<1.0	<1.0	110	**<1.0**	13	29	24	--	--	0.59	<1.0	140	<2.0	<1.0	**<2.0**	42	68
GP-2	4/7/2008	2.0	<1.0	**3.1**	160	<1.0	<1.0	82	**<1.0**	11	32	41	--	--	1.9	1.1	120	<2.0	<1.0	**<2.0**	38	75
GP-3	4/7/2008	1.5	<1.0	**2.5**	110	<1.0	<1.0	56	**<1.0**	8.8	27	16	--	--	0.38	<1.0	69	<2.0	<1.0	**<2.0**	38	60
~~GP-4~~	~~4/7/2008~~	~~2.0~~	~~<1.0~~	**~~<1.0~~**	~~40~~	~~<1.0~~	~~<1.0~~	~~51~~	**~~<1.0~~**	~~7.3~~	~~22~~	~~5.6~~	**~~--~~**	**~~--~~**	~~0.1~~	~~1.2~~	~~43~~	~~<2.0~~	~~<1.0~~	**~~<2.0~~**	~~40~~	~~47~~
GP-5	4/7/2008	3.0	<1.0	**2**	180	<1.0	<1.0	59	--	10	32	31	--	--	0.073	<1.0	53	<2.0	<1.0	**<2.0**	42	82
		6.0	<1.0	**<1.0**	150	<1.0	<1.0	65	--	9.7	24	18	--	--	0.12	<1.0	82	<2.0	<1.0	**<2.0**	38	58
GP-6	4/7/2008	2.5	<1.0	**<1.0**	220	<1.0	<1.0	180	--	19	28	5.3	--	--	0.17	<1.0	260	<2.0	<1.0	**<2.0**	71	58
~~GP-7~~	~~4/7/2008~~	~~3.5~~	~~<1.0~~	**~~<1.0~~**	~~140~~	~~<1.0~~	~~1.1~~	~~20~~	**~~--~~**	~~2.1~~	~~92~~	**~~120~~**	**~~--~~**	**~~--~~**	~~1.1~~	~~<1.0~~	~~15~~	~~<2.0~~	~~7.4~~	**~~<2.0~~**	~~4.1~~	~~230~~
W-1	4/15/2011	2.0	--	--	--	--	--	--	--	--	--	10.4	--	--	--	--	--	--	--	--	--	--
~~W-2~~	~~4/15/2011~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~43.7~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
W-3	4/15/2011	2.0	--	--	--	--	--	--	--	--	--	31.8	--	--	--	--	--	--	--	--	--	--
W-4	4/15/2011	2.0	--	--	--	--	--	--	--	--	--	12.4	--	--	--	--	--	--	--	--	--	--
W-5	4/15/2011	2.0	--	--	--	--	--	--	--	--	--	15.3	--	--	--	--	--	--	--	--	--	--
~~W-6~~	~~4/15/2011~~	~~1.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~8.8~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
W-7	4/15/2011	1.0	--	--	--	--	--	--	--	--	--	13.8	--	--	--	--	--	--	--	--	--	--
~~W-8~~	~~4/15/2011~~	~~0.3~~	~~<2.50~~	**~~7.09~~**	~~136~~	~~<2.50~~	~~<2.50~~	~~51~~	**~~--~~**	~~11.7~~	~~245~~	**~~249~~**	**~~--~~**	**~~--~~**	~~6.31~~	~~<2.50~~	~~51.6~~	~~<2.50~~	~~<2.50~~	**~~<2.50~~**	~~50.5~~	~~362~~
W-9	4/15/2011	2.0	--	--	--	--	--	--	--	--	--	40.6	--	--	--	--	--	--	--	--	--	--
W-13	4/15/2011	1.0	--	--	--	--	--	--	--	--	--	21.6	--	--	--	--	--	--	--	--	--	--
W-14	4/15/2011	1.0	--	--	--	--	--	--	--	--	--	23.2	--	--	--	--	--	--	--	--	--	--
W-15	4/15/2011	1.0	--	--	--	--	--	--	--	--	--	58.7	--	--	--	--	--	--	--	--	--	--
W-16	4/15/2011	1.0	--	--	--	--	--	--	--	--	--	25.2	--	--	--	--	--	--	--	--	--	--
~~B-10-2.0~~	~~9/19/2017~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~54~~	~~2.5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-10-4.0~~	~~9/19/2017~~	~~4.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~140~~**	~~4.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-10R-6.0~~	~~11/10/2017~~	~~6.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~26~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-10R-7.3~~	~~11/10/2017~~	~~7.3~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-11-2.0~~	~~9/19/2017~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~51~~	~~2.1~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-11-4.0~~	~~9/19/2017~~	~~4.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~110~~**	~~4.8~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-11R-6.0~~	~~11/10/2017~~	~~6.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~42~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-11R-7.8~~	~~11/10/2017~~	~~7.8~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~4.5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-12-2.0~~	~~9/19/2017~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~28~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-12-4.0~~	~~9/19/2017~~	~~4.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~140~~**	**~~5.8~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-12R-5.5~~	~~11/10/2017~~	~~5.5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~81~~**	**~~7.2~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-12R-7.3~~	~~11/10/2017~~	~~7.3~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~2.6~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
B-13-0.5	9/19/2017	0.5	--	--	--	--	--	--	--	--	--	39	--	--	--	--	--	--	--	--	--	--
~~B-14-1.0~~	~~9/19/2017~~	~~1.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~240~~**	**~~9.0~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-14R-3.0~~	~~11/9/2017~~	~~3.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~13~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-14R-5.0~~	~~11/9/2017~~	~~5.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~5.9~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
B-23-1.0	11/10/2017	1.0	--	--	--	--	--	--	--	--	--	34	--	--	--	--	--	--	--	--	--	--
B-23-3.0	11/10/2017	3.0	--	--	--	--	--	--	--	--	--	79	0.77	--	--	--	--	--	--	--	--	--
B-23-4.5	11/10/2017	4.5	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	--	--	--	--	--	--
B-24-2.0	11/10/2017	2.0	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--	--	--	--	--	--
B-24-5.5	11/10/2017	5.5	--	--	--	--	--	--	--	--	--	59	1.6	--	--	--	--	--	--	--	--	--
B-24-6.0	11/10/2017	6.0	--	--	--	--	--	--	--	--	--	9.4	--	--	--	--	--	--	--	--	--	--
~~B-25-2.0~~	~~11/10/2017~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~25~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-25-5.5~~	~~11/10/2017~~	~~5.5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~95~~**	**~~6.5~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-25-6.0~~	~~11/10/2017~~	~~6.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	~~28~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-26-2.0~~	~~11/10/2017~~	~~2.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~110~~**	**~~5.9~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-26-2.8~~	~~11/10/2017~~	~~2.8~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~210~~**	~~3.5~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**
~~B-26-6.0~~	~~11/10/2017~~	~~6.0~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~170~~**	**~~7.3~~**	~~< 0.10~~	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**	**~~--~~**

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Table 10
Soil Analytical Results for Metals
1548 Maple Street Development
Redwood City, California

Sample ID	Date	Depth (feet bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg										mg/L		mg/kg							
~~B-27-2.0~~	~~11/10/2017~~	~~2.0~~	–	–	–	–	–	–	–	–	–	**80**	~~3.0~~	–	–	–	–	–	–	–	–	–
~~B-27-4.0~~	~~11/10/2017~~	~~4.0~~	–	–	–	–	–	–	–	–	–	**200**	~~1.6~~	–	–	–	–	–	–	–	–	–
~~B-27-6.0~~	~~11/10/2017~~	~~6.0~~	–	–	–	–	–	–	–	–	–	~~5.8~~	–	–	–	–	–	–	–	–	–	–
~~B-28-1.5~~	~~11/10/2017~~	~~1.5~~	–	–	–	–	–	–	–	–	–	~~33~~	–	–	–	–	–	–	–	–	–	–
B-28-6.0	11/10/2017	6.0	--	--	--	--	--	--	--	--	--	**90**	1.0	--	--	--	--	--	--	--	--	--
Residential ESLs			**31**	**0.067**	**15,000**	**150**	**39**	**--**	**0.3**	**23**	**3,100**	**80**	**--**	**--**	**13**	**390**	**820**	**390**	**390**	**0.78**	**390**	**23,000**
HAZARDOUS WASTE CRITERIA																						
STLC Lead			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
TCLP Lead			**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**5**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Notes:
Bold indicates concentration exceeds the Residential ESL
~~Stirkethrough text~~ indicates a sample location removed during remedial excavation
bgs - Below ground surface
ESLs - Environmental screening levels
mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
RCRA - Resource Conservation and Recovery Act
Regional Water Board - Regional Water Quality Control Board
Residential ESLs - Residential shallow soil direct exposure human health risk ESLs (Regional Water Board ESLs, Table S-1, February 2016, Rev. 3)
STLC -Soluble Threshold Limit Concentration
TCLP - Toxicity Characteristic Leaching Procedure
< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)
– - Not applicable/not analyzed

FIGURES

Legend

Approximate Site Extent

Notes:
1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online

2. All features shown are to be considered approximate.

N W E S

2,000 0 2,000
SCALE IN FEET

LANGAN
135 Main Street, Suite 1500
San Francisco, CA 94105
T: 415.955.5200 F:415.955.5201 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
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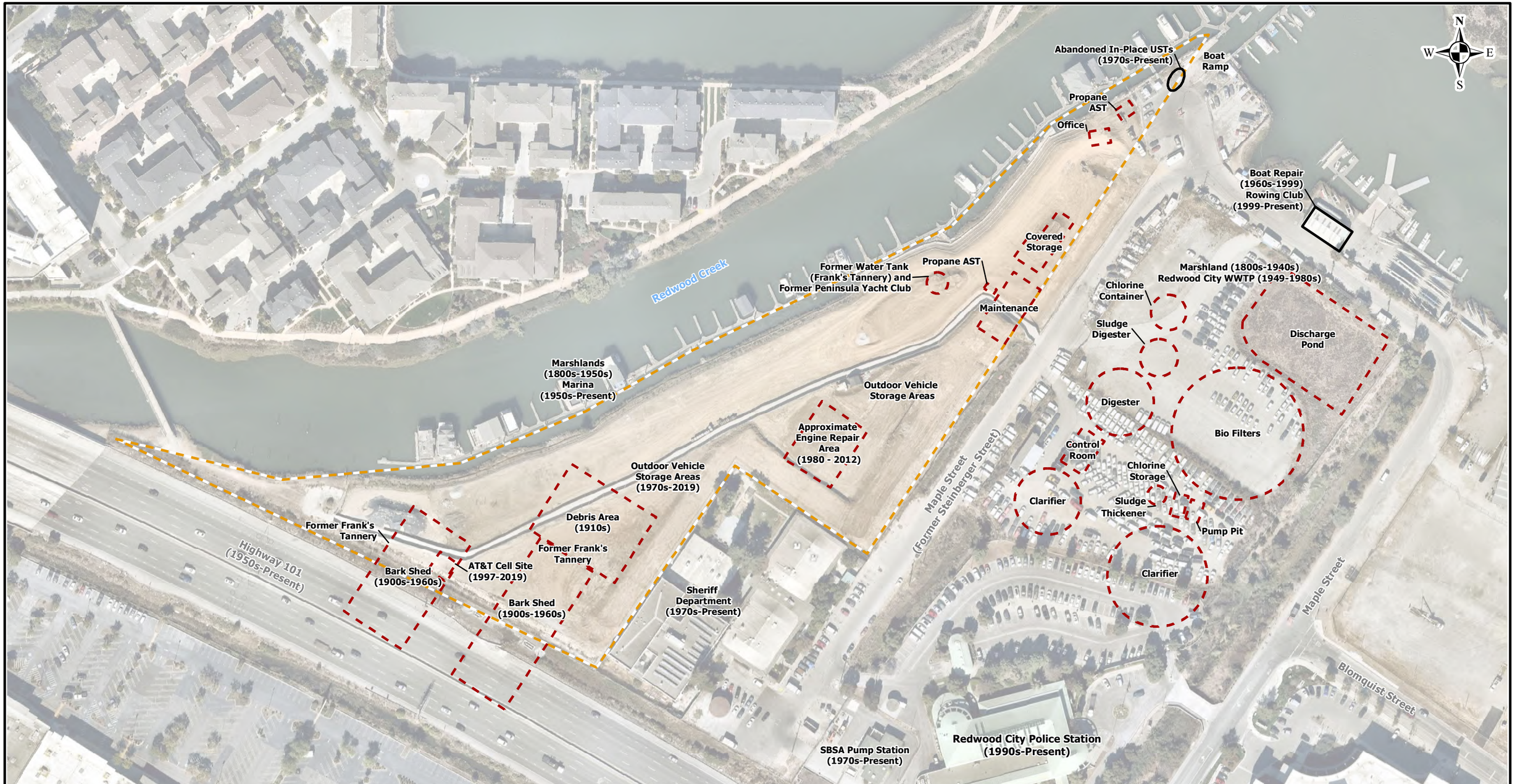
Project
1548 MAPLE STREET
REDWOOD CITY
SAN MATEO COUNTY CALIFORNIA

Drawing Title
SITE LOCATION MAP

Project No. 731685405	Figure 1
Date 12/3/2020	
Scale 1 " = 2,000 '	
Drawn By BJS	

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 1 - Site Location Map.mxd



Legend

- Former Structures and Features
- Existing Structures and Features
- Approximate Site Boundary

Notes:
1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown 10/14/2020.
2. All features shown are to be considered approximate.
3. Historic samples and features digizted in GIS from West Environmental Services and Technology figure titled, "Site Plan and Boring Locations", dated April 2011.

140 0 140
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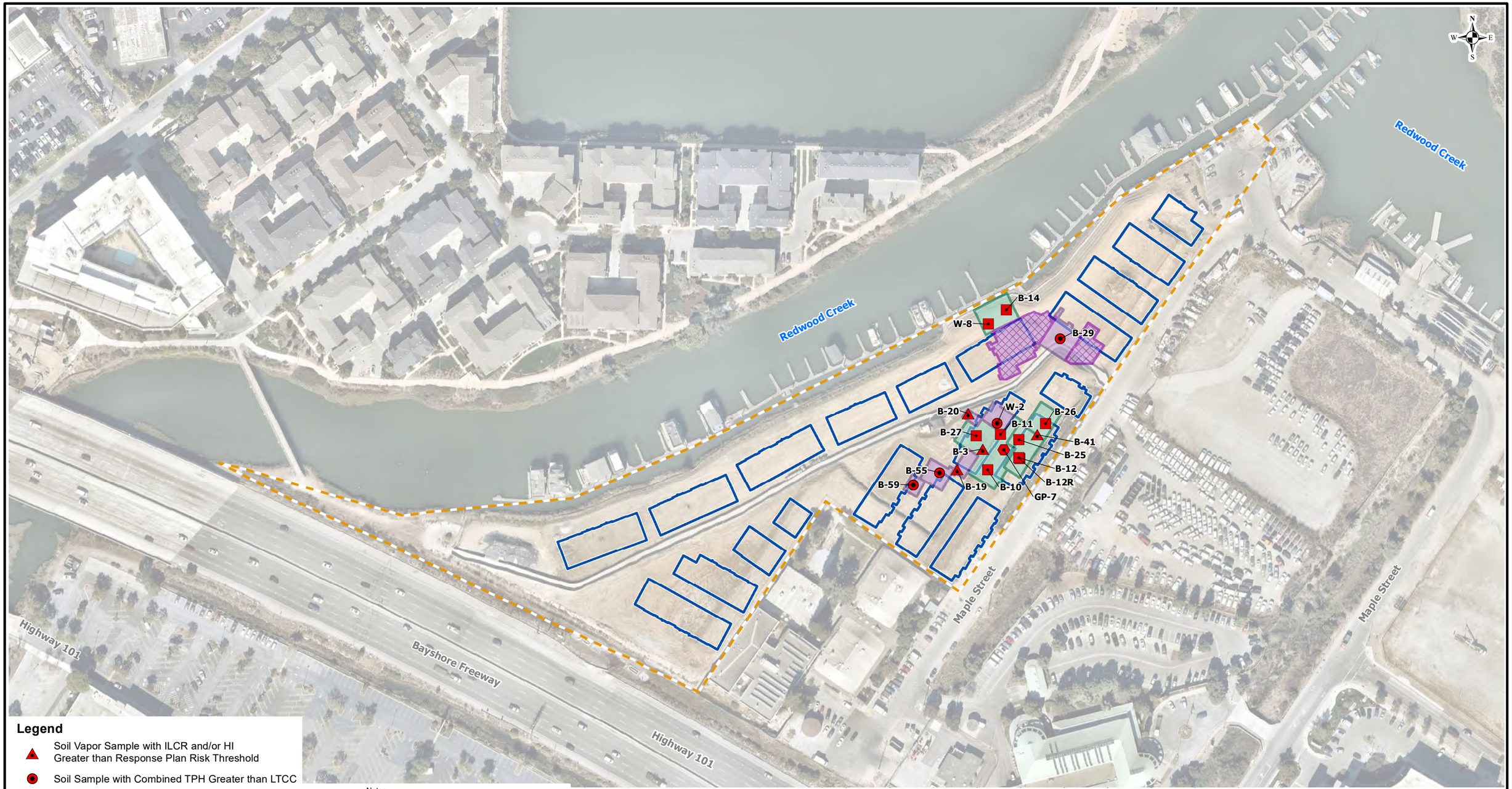
Drawing Title
HISTORICAL USE FEATURES

Project No.	731685405
Date	12/8/2020
Scale	1 " = 140 '
Drawn By	OG

Figure 2

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 2 - Historical Use Features.mxd



Legend

- Soil Vapor Sample with ILCR and/or HI Greater than Response Plan Risk Threshold
- Soil Sample with Combined TPH Greater than LTCC
- Soil Sample with Lead Greater than Response Plan Criteria
- Soil sample with combined TPH greater than LTCC, and with Lead Greater than Response Plan Criteria
- Approximate Building Footprint
- Approximate Site Boundary
- Area E Ext., Excavation Expansion
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area

Notes:
1. Aerial imagery provided by Near Map, 10/14/2020.
2. All features shown are approximate.
3. Sample locations shown provided by EnGeo (2008), West (2011), and Langan (2016, 2017, 2018, 2020).
4. Combined TPH – Sum of concentrations of TPH as gasoline and diesel
5. HI – Hazard index
6. ILCR – Incremental Lifetime Cancer Risk
7. LTCC - Low-Threat Underground Storage Tank Case Closure Policy Criteria
8. TPH – Total petroleum hydrocarbons

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Drawing Title
SAMPLE LOCATIONS DRIVING RESPONSE PLAN ACTION

Project No.	731685405
Date	12/8/2020
Scale	1 " = 150 '
Drawn By	NB

Figure 3

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\Figure 3 - Sample Locations Driving Response Plan Action.mxd

Legend

- Soil Sample Location
- Approximate Over-Excavation of Excavation Area E Soil with Observed Free-Phase Petroleum Product
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area
- Approximate Engine Repair Area
- Site Boundary

Notes:
1. Aerial image is provided by Langan's subscription to Nearmap.com. Aerial flown 10/14/2020.
2. All features shown are approximate.

50 0 50
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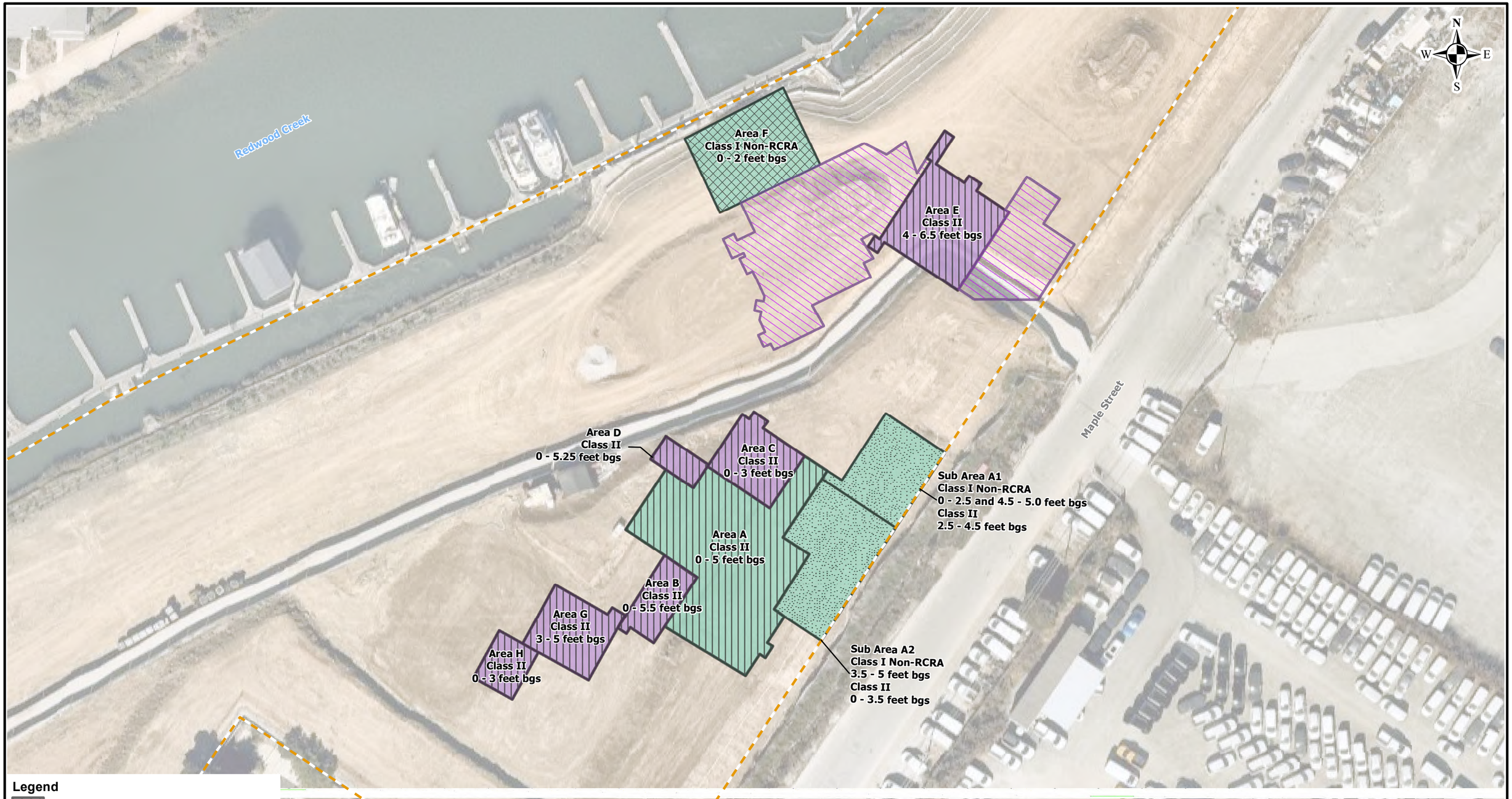
Project	1548 MAPLE STREET REDWOOD CITY SAN MATEO COUNTY CALIFORNIA
Drawing Title	ENGINE REPAIR AREA SOIL SAMPLING
Project No.	731685405
Date	12/3/2020
Scale	1 " = 50 '
Drawn By	OG
Figure	4

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 3 - Engine Repair Area Soil Sampling_2.mxd



Legend

- Class I Non-RCRA Material
- Class II Material
- Class I Non-RCRA Material and Class II Material
- Approximate Over-Excavation of Soil with Observed Free-Phase Petroleum Product
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area
- Site Boundary

RCRA Resource Conservation and Recovery Act
bgs Below ground surface

Notes:
1. Aerial image is provided by Langan's subscription to Nearmap.com. Aerial flown 10/14/2020.
2. All features shown are approximate.

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Drawing Title
EXCAVATION AREA FOOTPRINTS AND WASTE DISPOSAL CLASSIFICATIONS

Project No.	731685405
Date	12/3/2020
Scale	1 " = 50 '
Drawn By	BJS

Figure 5

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 4 - Original Excavation Area Footprints.mxd

Legend

- Sidewall Excavation Sample Location
- Excavation Floor Sample Location
- Class II Material
- Class I Non-RCRA Material and Class II Material
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area
- Site Boundary

RCRA	Resource Conservation and Recovery Act
bgs	Below ground surface

Notes:
1. Aerial image is provided by Langan's subscription to Nearmap.com. Aerial flown 10/14/2020.
2. All features shown are approximate.

25 0 25
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San Francisco, CA 94105
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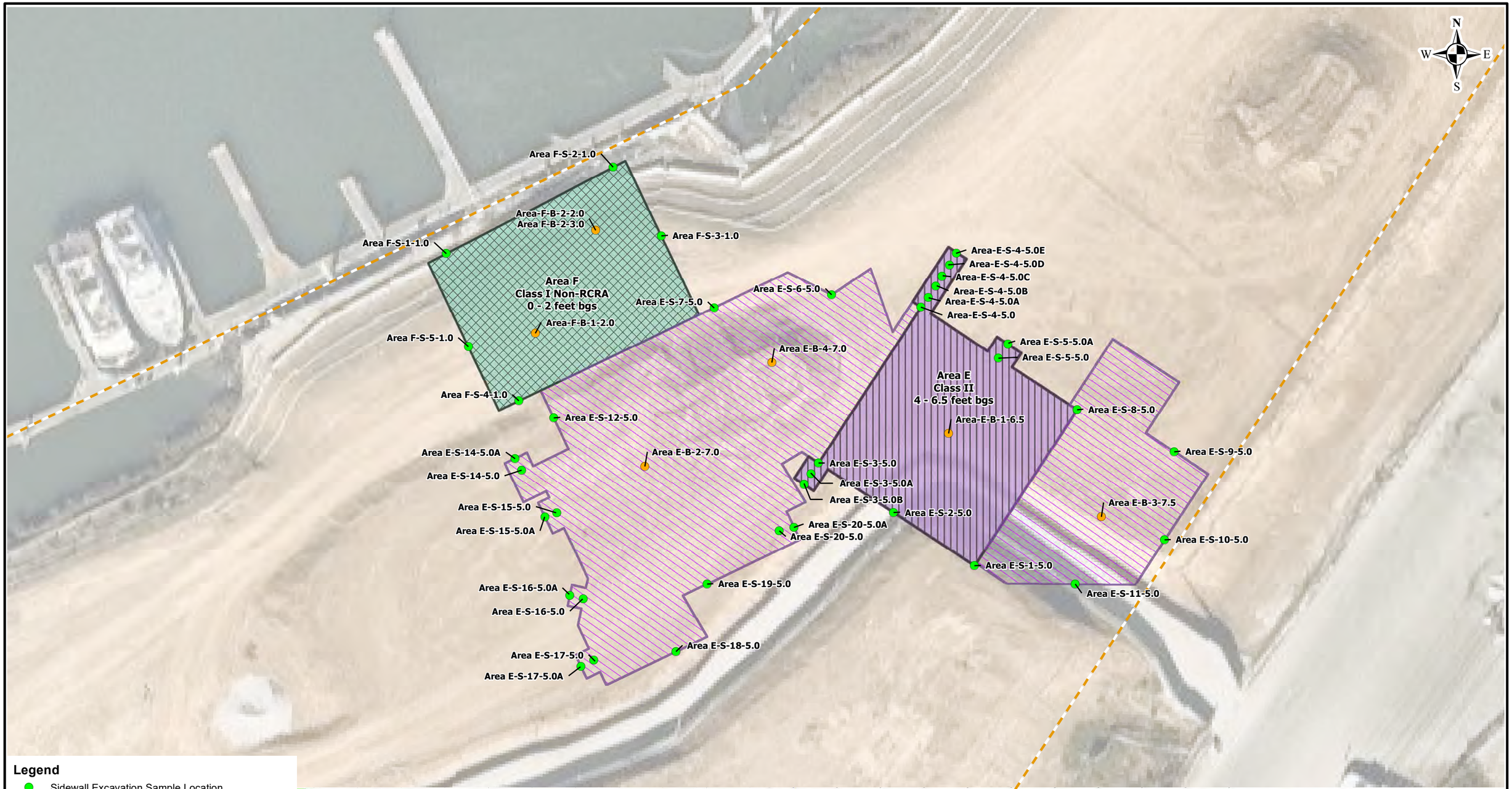
Drawing Title
CONFIRMATION SOIL SAMPLE LOCATIONS - EXCAVATION AREAS A THROUGH D, G, AND H

Project No.	731685405
Date	12/8/2020
Scale	1 " = 25 '
Drawn By	OG

Figure 6

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 6 - Confirmation Sampling - Area A-D, G and H.mxd



Legend

- Sidewall Excavation Sample Location
- Excavation Floor Sample Location
- Class I Non-RCRA Material
- Class II Material
- Approximate Over-Excavation of Excavation Area E Soil with Observed Free-Phase Petroleum Product
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area
- Site Boundary

RCRA	Resource Conservation and Recovery Act
bgs	Below ground surface

Notes:
1. Aerial image is provided by Langan's subscription to Nearmap.com. Aerial flown 8/29/2019.
2. All features shown are approximate.

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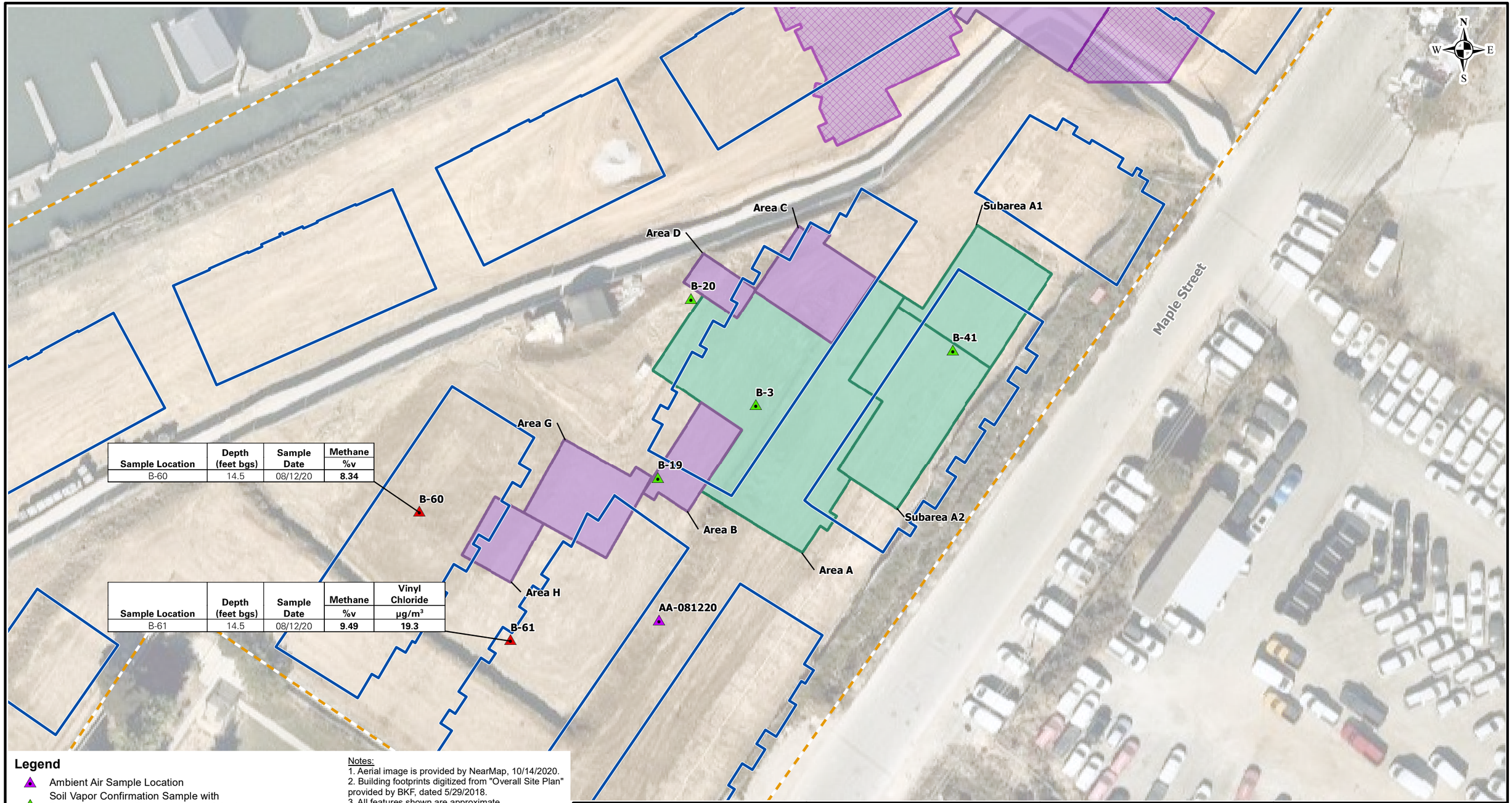
Project
1548 MAPLE STREET
REDWOOD CITY
SAN MATEO COUNTY CALIFORNIA

Drawing Title
CONFIRMATION SOIL SAMPLE LOCATIONS - EXCAVATION AREAS E AND F

Project No.	731685405
Date	12/3/2020
Scale	1 " = 25 '
Drawn By	OG

Figure 7

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\2019-08_Interim Response Plan Completion Report\Figure 5 - Confirmation Sampling - Area E and F.mxd



Sample Location	Depth (feet bgs)	Sample Date	Methane %v
B-60	14.5	08/12/20	**8.34**

Sample Location	Depth (feet bgs)	Sample Date	Methane %v	Vinyl Chloride µg/m³
B-61	14.5	08/12/20	**9.49**	**19.3**

Legend

- Ambient Air Sample Location
- Soil Vapor Confirmation Sample with Results Less than Response Plan Criteria
- Soil Vapor Confirmation Sample with Results Greater than Response Plan Criteria
- Approximate Over-Excavation of Excavation Area E Soil with Observed Free-Phase Petroleum Product
- Approximate Lead Excavation Area
- Approximate TPH Excavation Area
- Approximate Building Footprint
- Approximate Site Boundary

Notes:
1. Aerial image is provided by NearMap, 10/14/2020.
2. Building footprints digitized from "Overall Site Plan" provided by BKF, dated 5/29/2018.
3. All features shown are approximate.

Screening Criteria units	Methane %v	Vinyl Chloride µg/m³
Response Plan criteria	**2.5**	**4.7**

40 0 40
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SAN MATEO COUNTY CALIFORNIA

Drawing Title
SOIL VAPOR CONFIRMATION SAMPLE RESULTS

Project No.	Figure
731685405	8
Date: 12/8/2020	
Scale: 1 " = 40 '	
Drawn By: JNE	

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\Figure 8 - Soil Vapor Confirmation Sample Locations.mxd

Sample Location	Depth (feet bgs)	Sample Date	Methane %v
B-66	5.5	11/12/20	**34.6**

Sample Location	Depth (feet bgs)	Sample Date	Methane %v
B-68	6.0	11/13/20	**18.3**

B-78
B-62
B-63
B-64
B-65
B-66
B-73
B-67
B-70
B-71
B-72
B-68
B-74
B-69
B-75
B-76
B-77

Redwood Creek
Redwood Creek
Maple Street
Maple Street
Bayshore Freeway
Highway 101

Legend

- Methane Results Above Half the LEL
- Methane Results Below Half the LEL
- Approximate Building Footprint
- Approximate Site Boundary
- Area E Ext., Excavation Expansion
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area

Notes:
1. Aerial imagery provided by Near Map, 10/14/2020.
2. All features shown are approximate.
3. LEL - Lower explosive limit (5% by volume) of methane
4. **Bold text** indicates concentration exceeds half of the LEL for methane

150 0 150
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T: 415.955.5200 F: 415.955.5201 www.langan.com

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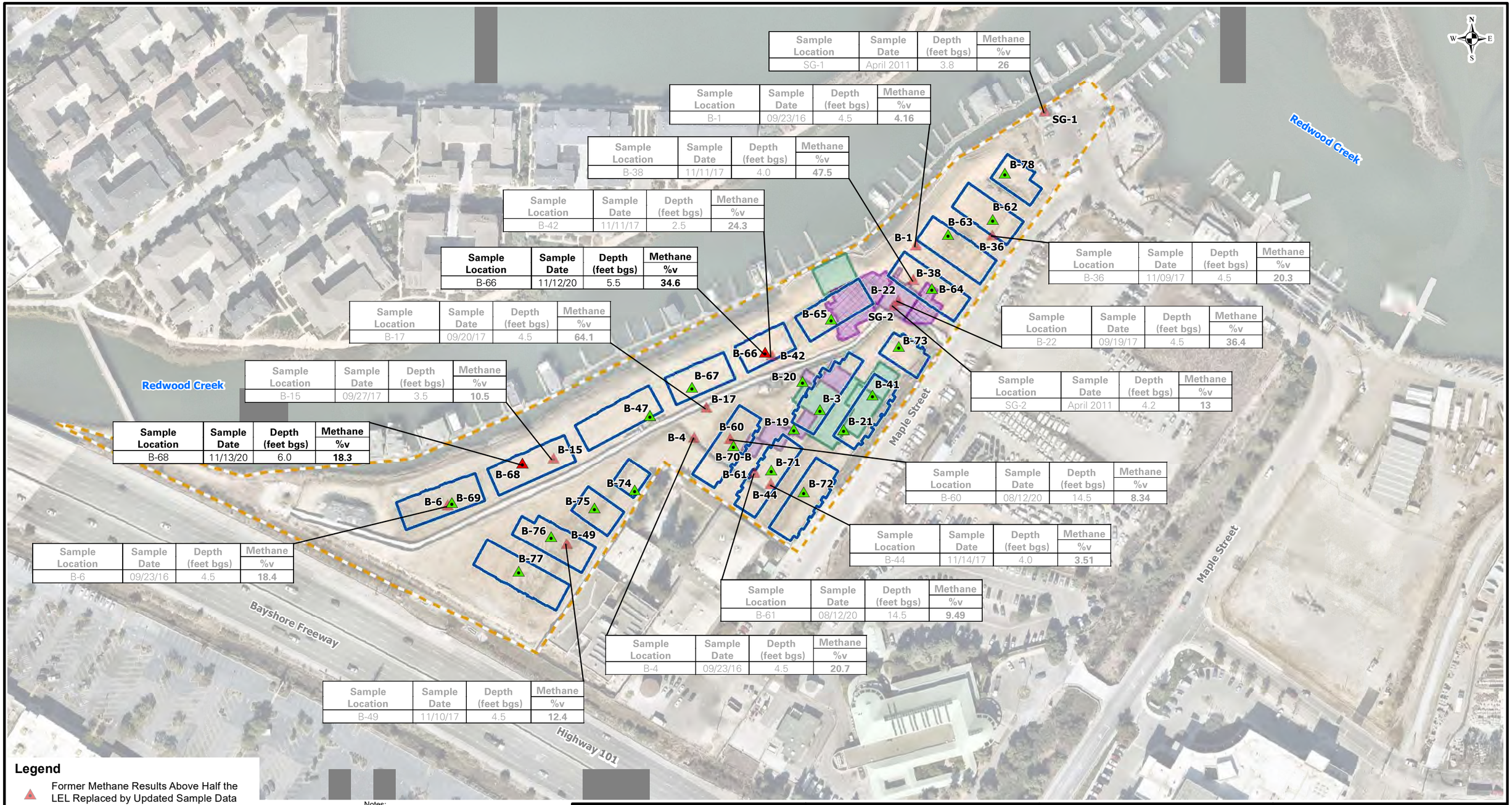
Drawing Title
NOVEMBER 2020 SOIL VAPOR METHANE RESULTS

Project No.	Figure
731685405	9
Date: 12/3/2020	
Scale: 1 " = 150 '	
Drawn By: NB	

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\Figure B - Nov 2020 Soil Vapor Methane Results.mxd



Sample Location	Sample Date	Depth (feet bgs)	Methane %v
SG-1	April 2011	3.8	**26**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-1	09/23/16	4.5	**4.16**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-38	11/11/17	4.0	**47.5**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-42	11/11/17	2.5	**24.3**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-66	11/12/20	5.5	**34.6**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-17	09/20/17	4.5	**64.1**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-15	09/27/17	3.5	**10.5**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-68	11/13/20	6.0	**18.3**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-6	09/23/16	4.5	**18.4**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-49	11/10/17	4.5	**12.4**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-36	11/09/17	4.5	**20.3**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-22	09/19/17	4.5	**36.4**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
SG-2	April 2011	4.2	**13**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-60	08/12/20	14.5	**8.34**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-44	11/14/17	4.0	**3.51**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-61	08/12/20	14.5	**9.49**

Sample Location	Sample Date	Depth (feet bgs)	Methane %v
B-4	09/23/16	4.5	**20.7**

Legend

- Former Methane Results Above Half the LEL Replaced by Updated Sample Data
- Methane Results Above Half the LEL
- Methane Results Below Half the LEL
- Approximate Building Footprint
- Approximate Site Boundary
- Area E Ext., Excavation Expansion
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area

Notes:
1. Aerial imagery provided by Near Map, 10/14/2020.
2. All features shown are approximate.
3. **Bold text** indicates concentration exceeds half of the LEL for methane.
4. Grey text indicates a former methane sample result above half the LEL replaced by updated sample data.
5. bgs - Below ground surface
6. LEL - Lower explosive limit (5%v) of methane
7. %v - Percent by volume

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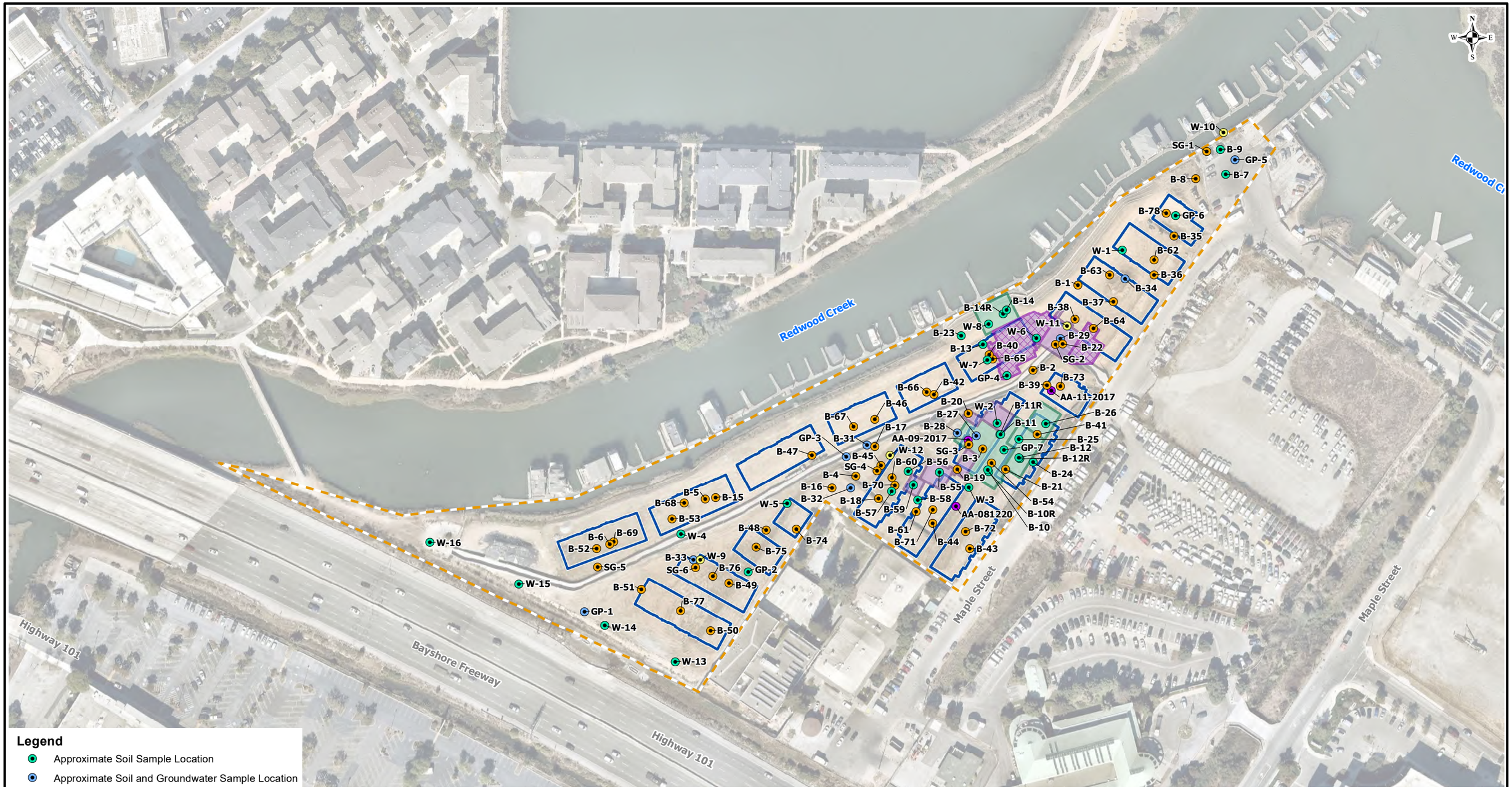
Drawing Title
SOIL VAPOR METHANE RESULTS

Project No. 731685405
Date 12/3/2020
Scale 1 " = 150 '
Drawn By NB
Figure 10

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\Figure 10 - Soil Vapor Methane Results.mxd



Legend

- Approximate Soil Sample Location
- Approximate Soil and Groundwater Sample Location
- Approximate Groundwater Sample Location
- Approximate Soil Gas Sample Location
- Approximate Ambient Air Sample Location
- Approximate Building Footprint
- Approximate Site Boundary
- Area E Ext., Excavation Expansion
- Approximate TPH Excavation Area
- Approximate Lead Excavation Area

Notes:
1. Aerial imagery provided by Near Map, 10/14/2020.
2. All features shown are approximate.
3. Sample locations shown provided by EnGeo (2008), West (2011), and Langan (2016, 2017, 2018, 2020).

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SAN MATEO COUNTY CALIFORNIA

Drawing Title
EXCAVATION AND BORING LOCATIONS

Project No.	731685405
Date	12/8/2020
Scale	1 " = 150 '
Drawn By	NB

Figure 11

Path: \\langan.com\data\SFO\data4\731685401\ArcGIS\ArcMap_Documents\Environmental\Figure Z - Excavation and Boring Locations.mxd

APPENDIX A

REGIONAL WATER BOARD APPROVAL OF RESPONSE PLAN
AND
EMAIL COMMUNICATIONS

May 11, 2018
File No. 41S0194 (KNA)

1548 Maple Street, LLC
Attn: Nikolas Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
nkrukowski@stradasf.com

SUBJECT: Approval of Response Plan and Requirement for Schedule and Completion Report for 1548 Maple Street, Redwood City, San Mateo County

Dear Mr. Krukowski:

This letter responds to the April 5, 2018, *Final Response Plan* (Response Plan) prepared by Langan on behalf of 1548 Maple Street, LLC. As explained below, I approve this Response Plan and require 1548 Maple Street, LLC to submit a Response Plan Completion Report.

Background
The Response Plan is intended to comply with provisions in 1548 Maple Street, LLC's California Land Reuse and Revitalization Act (CLRRA) Agreement, dated January 12, 2018.

The Response Plan proposes to conduct one additional round of investigation soil sampling, excavate and backfill identified lead and petroleum impacted-areas, collect confirmation soil and soil vapor sampling, and revise the established risk assessment. The revised risk assessment will use updated soil vapor sampling results to inform whether vapor mitigation will be needed for the proposed developments.

A public comment period for the Response Plan was held from January 8, 2018 to February 7, 2018. No comments were received.

Approval of Response Plan
The Response Plan satisfies the requirements of section 5.1 of the CLRRA Agreement. I hereby approve it.

Requirement for Completion Report and Schedule
1548 Maple Street, LLC is hereby required to submit a Response Plan Completion report within 60 days after the completion of all protocols outlined in the Response Plan, but no later than May 11, 2021. Additionally, 1548 Maple Street, LLC is required to submit a Response Plan Implementation Schedule by June 28, 2018. This requirement is in accordance with section 5.4.4 of the CLRRA Agreement.

1548 Maple Street, LLC is required to submit all documents in electronic format to the State Water Resources Control Board's GeoTracker database pursuant to the California Code of Regulations (Title 23, Section 3890 et.seq.). Guidance for electronic information submittal is available at: http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/. Please note that this requirement includes all analytical data, monitoring well latitudes, longitudes, elevations, water depth, site maps, and boring logs (PDF format).

Basis for Requirement
The information requested in this report is needed to confirm the reduction or elimination of future impacts to human health or water quality from site contamination. 1548 Maple Street, LLC, is named in its capacity as a party to the January 12, 2018, CLRRA Agreement.

If you have any questions, please contact Kelly Archer of my staff at (510) 622-2355 or kelly.archer@waterboards.ca.gov.

Sincerely,

Bruce H. Wolfe
Executive Officer

cc:

Deno Milano, San Mateo County Groundwater Protection Program, dmilano@smcgov.org
Dorinda Shipman, Langan, dshipman@langan.com
Dustyne Sutherland, Langan, dsutherland@langan.com

Archived: Tuesday, December 22, 2020 6:28:30 PM
From: Dorinda Shipman
Sent: Tue, 22 Dec 2020 14:23:23
To: Dorinda Shipman
Subject: WB 6 Nov Email
Sensitivity: Normal

Dorinda Shipman
Principal/Vice President

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From: West, Kimberlee@Waterboards <Kimberlee.West@Waterboards.ca.gov>
Sent: Friday, November 6, 2020 12:46 AM
To: Dustyne Sutherland <dsutherland@Langan.com>
Cc: Dorinda Shipman <dshipman@Langan.com>; Grace Stafford <gstafford@langan.com>; Wells, Elizabeth@Waterboards <Elizabeth.Wells@waterboards.ca.gov>; Fry, Nicole@Waterboards <Nicole.Fry@Waterboards.ca.gov>
Subject: Site Data, Methane, and Closure Criteria - Docktown Marina, Redwood City

Dustyne,

Nicole Fry, our risk expert, was able to review the data you sent for the Docktown Marina site. We don't have any big concerns with data. If you would like to discuss the risk calculations, your plans for methane, and how to address the Chlorinated Low-Threat Closure criteria, Nicole and I could meet with you.

Nicole and I are available:
Monday, Nov 9, most of the day
Tues, Nov 10, morning
Thurs, Nov 12, afternoon

Please let us know if/when you would like to meet.

Thanks-

Kimberlee West

Engineer
SF Bay Regional Water Board
kimberlee.west@waterboards.ca.gov
cell: 510-847-9140

From: Dustyne Sutherland <dsutherland@Langan.com>
Sent: Thursday, October 29, 2020 7:55 PM
To: West, Kimberlee@Waterboards <Kimberlee.West@Waterboards.ca.gov>
Cc: Dorinda Shipman <dshipman@Langan.com>; Grace Stafford <gstafford@langan.com>; Wells, Elizabeth@Waterboards <Elizabeth.Wells@waterboards.ca.gov>; Matt Edwards <Matt.Edwards@edwardsdev.com>
Subject: Soil Vapor Data and Figures

EXTERNAL:

Hi Kimberlee,

I have attached the most recent soil vapor data with the sample locations for your review. I also attached the excel version of the Risk Calculation Table. Just as a follow up from yesterday's call I wanted to mention that when we calculated risk in the Response Plan we used the LCTP 1000 fold attenuation screening criteria for benzene and ethylbenzene which is described in Section 4.2 of the Response plan and outlined below. Based on your email from today that we should use the LTCP for chlorinated compounds we would like to discuss how this would impact the risk evaluation presented in the Final Response Plan. In addition there are only two detections of vinyl chloride above laboratory reporting limits and Response plan screening levels. In soil and groundwater chlorinated compounds were not detected above laboratory reporting limits. Based on the isolated detections the site doesn't seem to qualify as a chlorinated site. Would you be available to discuss at 10 am tomorrow?

Thank you

Scenario 4 outlines a bioattenuation zone criterion that, if met, allows for the use of soil vapor residential screening levels for benzene, ethylbenzene and naphthalene that are three to four orders of magnitude higher than the Regional Water Board's 2016 Residential ESLs. The LTCP residential screening levels assume a 1,000-fold bioattenuation of petroleum vapors within the five foot bioattenuation zone through adsorption, dispersion, dilution, volatilization, and biological degradation. The LTCP residential screening levels are:

- Benzene: 85,000 µg/m^3
- Ethylbenzene: 1,100,000 µg/m^3
- Naphthalene: 93,000 µg/m^3

In order to apply the LTCP residential screening levels, the bioattenuation zone must:

- Be a continuous zone of five vertical feet of soil between the soil vapor measurement and the foundation of an existing building or ground surface of future construction;
- Contain total TPH less than 100 mg/kg measured in at least two depths within the 5-foot zone; and
- Contain oxygen greater than or equal to 4%v measured at the bottom of the 5-foot zone.

Dustyne Sutherland
Senior Project Scientist

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Archived: Tuesday, December 22, 2020 6:28:36 PM
From: West, Kimberlee@Waterboards
Sent: Wed, 25 Nov 2020 17:23:47
To: Dustyne Sutherland; Fry, Nicole@Waterboards; Wells, Elizabeth@Waterboards
Cc: Matt Edwards; Dorinda Shipman; Grace Stafford
Subject: RE: Maple Street Methane Results
Sensitivity: Normal

Dustyne,

The methane results look good. Thank you for sharing the data.

Elizabeth and I are free to discuss the methane results and the forthcoming Completion Report on:

- Wednesday, Dec 2, 9 am – 11 am
- Thursday, Dec 3, 9 – 10 am, or 11 – noon
- Friday, Dec 4, 9 - noon

Feel free to send a meeting invitation.

Happy Thanksgiving!
-kimberlee

Kimberlee West

Engineer
SF Bay Regional Water Board
kimberlee.west@waterboards.ca.gov
cell: 510-847-9140

From: Dustyne Sutherland <dsutherland@Langan.com>
Sent: Wednesday, November 25, 2020 1:21 PM
To: West, Kimberlee@Waterboards <Kimberlee.West@Waterboards.ca.gov>; Fry, Nicole@Waterboards <Nicole.Fry@Waterboards.ca.gov>; Wells, Elizabeth@Waterboards <Elizabeth.Wells@waterboards.ca.gov>
Cc: Matt Edwards <Matt.Edwards@edwardsdev.com>; Dorinda Shipman <dshipman@Langan.com>; Grace Stafford <gstafford@langan.com>
Subject: Maple Street Methane Results

EXTERNAL:

Hi Kimberlee,

As discussed previously, Langan collected 17 soil vapor samples at depths which equated to approximately 5 feet below future building pad elevation. Samples were analyzed for methane, atmospheric gases, and helium. In general, the methane level decreased greatly between 2017 and 2020 and oxygen levels increased in the subsurface. The site redevelopment activities including building demolition and excavation increased precipitation infiltration and hydraulic movement, which, in turn, can increase oxygen levels in the subsurface. Fifteen of the 17 soil vapor sample results returned methane concentrations below half of the lower explosive limit (LEL) of 2.5 percent by volume (%v), with the majority of samples exhibiting non-detect concentrations of methane (Table 1). Two of the 17 soil vapor samples, B-66 and B-68, had higher methane concentrations of 34.6%v and 18.3%v, respectively (Figure B). Oxygen was detected in the 17 samples at concentrations ranging from 8.31%v to 24.3%v, indicating the subsurface remains an aerobic environment as shown in the graph below. The higher oxygen levels are conducive to enhanced methanotroph (bacteria and other organisms) growth, which effectively consume methane. Pressure measurements collected from the 17 soil vapor probes ranged from -0.006 to 1.26 inches of water column, indicating pressures in the subsurface are unlikely to drive upward migration of gases.

Overall, methane concentrations have decreased significantly across the site when compared to 2016/2017 sampling, and oxygen concentrations have increased (Figure C and Methane vrs Oxygen chart below)) likely due to the demolition and excavation activities. The maximum detected methane concentration decreased to 34.6%v in November 2020, compared to the previously recorded 64.1%v in 2017. Except for locations B-66 and B-68, all November 2020 soil vapor samples were non-detect for methane. In addition, locations B-70 and B-71, which were co-located with August 2020 confirmation samples B-60 and B-61, show a reduction from approximately 8 to 9%v methane to non- detect in just a few months (Figure B and C)).

Samples B-66 and B-68 are in an area of the site along the shoreline where degraded wood and various debris has been observed and recorded on boring logs during previous site investigations. It is our opinion that the methane concentrations recorded at these two locations (B-66 and B-68) is naturally occurring from bayshore organics and the degradation of wood debris in the subsurface, and is not generated by the degradation of petroleum hydrocarbons in the soil. Oxygen was present at 8.31%v and 16.4%v at these two locations and across the site which will continue to support further degradation of methane in the subsurface. Total petroleum hydrocarbon concentrations in soil in the near vicinity of B-68 are low, below the combined TPH criteria of 100 mg/kg. Soils with

combined TPH greater than 100 mg/kg in the vicinity of B-66 have been removed through the Response Plan excavation. Thus, TPH is no longer a potential source for methane generation. The sum of TPHg and TPHd has been reduced to less than 100 mg/kg across the site and does not present an ongoing source of methane production in any location. Additionally, pressure measurements were recorded in the range typical of atmospheric pressure fluctuations which does not suggest the subsurface is under pressure which would facilitate upward migration of gases.

We would like to schedule a call with you to discuss these results and the review timeline of the forthcoming Response Plan Completion Report as our client hopes to obtain Water Board certification by the end of the year. Please let us know if you have availability next week?

Thank you

Dustyne Sutherland
Senior Project Scientist

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Direct: 415.955.5283
Mobile: 510.508.3436
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Phone: 415.955.5200 Fax: 415.955.5201
135 Main Street, Suite 1500
San Francisco, CA 94105
www.langan.com

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Archived: Tuesday, December 22, 2020 6:28:40 PM
From: West, Kimberlee@Waterboards
Sent: Thu, 29 Oct 2020 17:34:22
To: Dorinda Shipman; Dustyne Sutherland; Grace Stafford; Matt Edwards
Cc: Wells, Elizabeth@Waterboards
Subject: RE: 1548 Maple Street CLRRA Response Action Completion Report
Sensitivity: Normal
Attachments:
41S0194 (Docktown Marina) - Case Closure Summary.docx

Hello,

We have determined that the Assessment Tool for Closure of Low-Threat Chlorinated Solvent Sites is appropriate for the Docktown Marina site because non-petroleum-related contaminants have been detected at the Site. The criteria are as follows:

Table ES-1 Recommended Closure Criteria for Low-Threat Chlorinated Solvent Sites

1. Develop a complete Conceptual Site Model (CSM)
   a) Pollutant sources are identified and evaluated
   b) The site is adequately characterized
   c) Exposure pathways, receptors, and potential risks, threats, and other environmental concerns are identified and assessed
2. Control sources and mitigate risks and threats
   a) Pollutant sources are remediated to the extent feasible
   b) Unacceptable risks to human health, ecological health, and sensitive receptors, considering current and future land and water uses, are mitigated
   c) Unacceptable threats to groundwater and surface water resources, considering existing and potential beneficial uses, are mitigated
3. Demonstrate that residual pollution in all media will not adversely affect present and anticipated land and water uses
   a) Groundwater plumes are decreasing
   b) Cleanup standards can be met within a reasonable timeframe
   c) Risk management measures are appropriate, documented, and do not require future Water Board oversight

I am attaching the case closure summary template that will need to be filled out before the case can be closed, for your reference.

Please send the data **and the risk calculations** to me so that our risk assessor can review them and provide comments, as we discussed.

Thank you!

APPENDIX B

BORING LOGS

Appendix B1

Pre-2020 Boring Logs

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-10

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							8 inches asphalt concrete (AC)
1				22.5/36		CL	CLAY (CL) gray, medium stiff, moist, slight odor
2	B-10-2.0	●			0.5		
							increasing softness
3					0.4		
						SC	CLAYEY SAND (SC) black, medium dense, moist, plastic debris, moderate odor
4	B-10-4.0	●		20/24	23.7	CL	CLAY (CL) black, soft, moist, weak odor
5					0.5		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

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Project No.: 731685403 | Figure: B-1

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-11

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							10 inches asphalt concrete
1				22.5/36	0.6	CL	CLAY (CL) gray, medium stiff, moist, weak odor
2	B-11-2.0	●					
3					1.1		1/2 inch sand layer at 2.5 feet increasing softness with depth
4	B-11-4.0	●		8/24	20.2	SC	CLAYEY SAND (SC) black, medium dense, moist, moderate odor plastic debris, hair-like pieces
5					17.6		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-2

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-12

Boring location: See November 2017 Site Plan | Logged by: J. Bae

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							2 inches asphalt concrete (AC)
1				20.5/36	0.2	CL	CLAY (CL) gray, soft, moist, no odor
2	B-12-2.0	●					
3					7.4	SP	SAND (SP) black, medium dense, moist, plastic debris, medium odor
4	B-12-4.0	●		8/24	24.0		
5					24.9	CL	CLAY (CL) black, soft, moist, plastic, medium odor
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-3

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-14

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Hand Auger

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0						GM	GRAVEL (GM) dark brown and gray, loose, dry, no odor
1	B-14-1.0	●				CL	CLAY (CL) dark brown and gray, stiff, dry, no odor
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 1.5 feet below ground surface.
Groundwater not encountered during hand augering.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-4

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-14R

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Hand Auger

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0	CL	SANDY CLAY with GRAVEL (CL) soft, moist, gravel up to 1 inch in diameter dark brown with yellow
1					0	CL	CLAY (CL) gray with yellow-brown, medium stiff, moist, no odor
2					0	CL	brick and wood debris
3	B-14R-3.0	●		60/60	0.1	CL	CLAY (CL) gray and black, soft, moist, wood and plant debris, weak odor
4					0	CL	
5	B-14R-5.0	●			0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-5

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-15

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/27/17 | Date finished: 9/27/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete (AC)
1							CLAY (CL) gray, medium stiff, moist, weak odor
2				12.5/48		CL	
3					0.0		wood debris at 3 feet, increasing softness hair-like pieces at 3.5 feet
4					0.1		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 3.5 feet below ground surface.
First soil gas probe inundated by groundwater at 4.5 feet.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-6

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-16

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0.0	GM	GRAVEL (GM) light brown to brown, loose, dry, subangular, no odor
1				21.5/36			CLAY (CL) gray, stiff, moist, weak odor
2					0.0		
3					0.1	CL	increasing softness with depth
4				22.5/24	0.0		
5					0.0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-7

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-17

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							9 inches concrete
1					0.0		concrete debris
				15/36		CL	CLAY (CL) gray, medium stiff, moist, weak odor
2							
3					0.1		
4				24/24	0.2		
5					0.9	SC	CLAYEY SAND (SC) dark gray, medium dense, wet, weak odor (09/19/17)
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater encountered at 5 feet below ground surface during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-8

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-18

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							2 inches asphalt concrete (AC)
							CLAY (CL) gray, stiff, moist, weak odor
1				15.5/36			
2					0.0		
3					0.1	CL	increasing softness with depth
4				29.5/30			
5					1.0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

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Project No.: 731685403 | Figure: B-9

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-19

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
						GM	GRAVEL (GM) brown, loose, moist, weak odor
					0.0		
1					1.1		CLAY (CL) gray, stiff, moist, weak odor
				27.5/36	0.0		
2					0.3	CL	
					0.0		
3					0.2		
					0.0		
4				14/24	4.4		
					0.0	SC	CLAYEY SAND (SC) light grayish brown, fine to coarse, medium dense, dry, rounded, some fine rounded gravel, trace silt
						SM	
5				3/3	0.2	CL	SAND (SM) black, medium dense, moist, weak odor
					0.0		CLAY (CL), gray, soft, moist, weak odor
6					0.0		
					0.0		
7					0.0		
					0.0		
8					0.0		
					0.0		
9					0.0		
					0.0		
10							
					0.0		
11					0.0		
					0.0		
12					0.0		
	3			58/60	0.0	SP	SAND (SP) dark gray, fine to medium, loose, moist, poorly graded
					0.0		
13					0.0		
					0.0		SANDY CLAY (CL) dark reddish brow with trace bright red streaks, stiff, plastic, trace fine gravel, trace red fine sand lenses
14					0.0	CL	
					0.0		
15							

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Project No.: 731685403 | Figure: B-10a

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-19

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
16	4			15/27	0.0 0.0 0.0 0.0 0.0 0.0	CL	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Boring terminated at a depth of 5.25 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.75 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403

Figure: B-10b

PROJECT:	**1548 MAPLE STREET** **Redwood City, California**	**Log of Boring B-20** PAGE 1 OF 2
Boring location: See November 2017 Site Plan		Logged by: G. Stafford
Date started: 9/19/17	Date finished: 9/19/17	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							5 inches asphaltic concrete (AC)
0					0.0		
1				17.5/36	0.3	CL	CLAY (CL) gray, medium stiff, moist, moderate odor
2					0.0		
3					0.0		
4				24/24	0.1		increasing softness with depth
5					0.0		dark reddish brown, moist, some clay, trace fine gravel
6					0.0		1/2 inch black clayey sand seam at 4.8 feet plastic debris, hair-like pieces, strong to moderate odor
7					0.8		
8					0.0		
9					0.0		
10					0.0		CLAYEY GRAVEL (GC) brown, dense, moist, some fine to coarse sand, trace fine red gravel
11					0.0		
12	3			52/60	0.0	GC	
13					0.0		
14					0.0		
15					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0		
					0.0	SP	SAND (SP) brown, fine to medium, loose, moist, poorly graded
					0.0		CLAYEY GRAVEL (GC) brown, dense, moist, some fine to coarse sand, trace fine red gravel
					0.0	GC	
					0.0		
					0.0		

LANGAN

Project No.:	Figure:
731685403	B-11a

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-20

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
	4			8/8	0.0 0.0	OH	CLAY (OH) black, medium stiff, moist, semiplastic, slight organic odor, trace fine sand
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403

Figure: B-11b

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-21

Boring location: See November 2017 Site Plan
Logged by: G. Stafford
Date started: 9/19/17
Date finished: 9/19/17
Drilling method: Direct Push
Hammer weight/drop: NA
Hammer type: NA
Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete (AC)
1					0.3		CLAY (CL) gray, moist, soft, weak odor
				19/36			
2						CL	
3					3.2		lens of black sand at 3 feet, transitions to soft clay after sand
4				10/24			
5					0.1		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.25 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403
Figure: B-12

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-22

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 9/19/17 | Date finished: 9/19/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							4 inches asphalt concrete (AC)
1				29/36	0.1	CL	CLAY (CL) gray, hard, moist, medium plastic, weak odor 1/4 inch gravel lens at 1 foot silty sand lens at 1.5 feet
2					0.2		
3							
4				13.5/24			
5					1.0		1/4 inch gravel
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-13

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-23

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							5 inches asphalt concrete (AC)
1	B-23-1.0	●			0	CL	GRAVELLY CLAY (CL) gray, medium stiff, moist, brick debris, no odor
						CL	rock
2					0.9	CL	SANDY CLAY with GRAVEL (CL) dark brown, soft, moist, gravel up to 1/4 inch in diameter, no odor CLAY (CL) dark gray, stiff, moist, weak odor
3	B-23-3.0	●		40/60	0	CL	GRAVELLY CLAY (CL) gray, stiff, moist, weak odor
							asphalt concrete
4	B-23-4.5	●				CL	CLAY (CL) gray, medium stiff, moist, weak odor
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-14

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-24

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							7 inches asphalt concrete (AC)
1					0	CL	CLAY (CL) red-brown with red-yellow mottling, very stiff, dry to moist, no odor
2	B-24-2.0	●		29.5/60	0	CL CL	GRAVELLY CLAY (CL) dark brown, medium stiff, moist, no odor
3							CLAY (CL) gray-brown, soft, dry to moist, no odor
4						CL	SANDY CLAY (CL) black, soft, moist, with wood, weak odor
5	B-24-5.5	●		10/12	0.2		
6	B-24-6.0	●				CL	CLAY (CL) gray, soft, moist, no odor
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-15

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-26

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							9 inches asphalt concrete (AC)
1					0.2	CL	CLAY (CL) gray, medium stiff, moist, gravel up to 3/4 inch in diameter, weak odor
2	B-26-2.0	●			14.9		
3	B-26-2.8	●		31.5/60		SP	SAND (SP) black, medium dense, moist, plastic debris, weak odor
4							
5							
6	B-26-6.0	●		9/12	49.8	SC	CLAYEY SAND (SC) black, medium dense, moist, plastic and plant debris, shell fragments, strong odor
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-16

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-27

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							10 inches asphalt concrete (AC)
1					0.0	CL	CLAY (CL) gray, medium stiff, moist, weak odor
2	B-27-2.0	●			0.1	SP	SAND (SP) gray, medium dense, moist, wood chunks, weak odor
3	B-27-3.0	●		37/60		CL	CLAY (CL) dark gray, soft, moist, weak odor
4	B-27-4.0	●					
5	B-27-5.0	●			18	CL	SANDY CLAY (CL) black, soft, moist to wet, hair and plastic bits wet
6	B-27-6.0	●			31		
7					3.6	CL	CLAY (CL) gray, soft, moist to wet, wood debris, weak odor
8				32/60			
9					1.8		▽ (11/10/17)
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 10 feet below ground surface.
Groundwater encountered at 8.75 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-17

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-28

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							9 inches asphalt concrete (AC)
1	B-28-1.5			17.5/60	0.1	CL	CLAY (CL) dark gray and black, soft, moist, no odor
2							
3							
4							
5							wet
6	B-28-6.0			12/12	49		hair and plastic bits
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 | Figure: B-18

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-29

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							2.5 inches asphalt concrete (AC)
							CLAY (CL)
							gray, medium stiff, moist, weak odor
1					0.1		
						CL	
2							
				38/60			
	B-29-3.0	●					
3					0.2	SP-GP	SAND with GRAVEL (SP-GP)
							black and yellow-brown, loose, moist, subangular gravel, weak odor
							gray wood
4							CLAY (CL)
							gray with black, soft, moist to wet, weak odor
	B-29-5.0	●					
5					0.9		
							(11/10/17)
6							wet
						CL	▽
7					0.4		wood debris
				48/60			
8							strong organic odor, shell fragments, wood debris
9							
10					1.6		
11							
12							
13							
14							
15							

Boring terminated at a depth of 10 feet below ground surface.
Groundwater encountered at 6.6 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-19

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-31

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							4 inches concrete
						CL	CLAY (CL)
1					0.1	CL	gray, soft, moist, no odor
						CL	SANDY CLAY with GRAVEL (CL) gray, soft, moist, gravel up to 1/2 inches in diameter, no odor
							CLAY (CL)
2					0.1	SC	gray, soft, moist, shell fragments, weak odor
				37/60			CLAYEY SAND (SC) gray, medium dense, moist, no odor
3	B-31-3.0	●					CLAY with SAND (CL) dark brown, very soft, wet, shell fragments, weak odor
4						CL	
5	B-31-5.0	●			0.4		
							hair pieces, strong odor
6					30		▽ (11/10/17) CLAY (CL) gray with black, soft, moist, moderate odor gray sand lenses at 6 feet wood and plant matter at 6.25 feet, organic odor
7							
				40/60			
8					2.5	CL	
9							
10					0.6		
11							
12							
13							
14							
15							

Boring terminated at a depth of 10 feet below ground surface.
Groundwater encountered at 5.9 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-20

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-32

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3.5 inches asphalt concrete
1					0	CL	SANDY CLAY with GRAVEL (CL) gray-brown to red-brown, stiff, moist, subangular gravel up to 1/2 inches in diameter, no odor
						CL	
						CL	CLAY (CL) gray, very stiff, moist, weak odor
2					0.1		CLAY with SAND (CL) dark gray, soft, moist, weak odor
				43/60			
	B-32-3.0	●					CLAY (CL) gray with black streaks, soft, moist to wet, shell fragments, weak odor
3					0.1		
						CL	
4							wet
	B-32-5.0	●					
5							
						CL	CLAY (CL) black and yellow-brown, medium stiff, moist, hair bits, with burnt and degraded wood, moderate odor
6							CLAY (CL) gray, very soft, weak odor, moist some hair bits
7							
				33/60			
8						CL	
9							▽
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 10 feet below ground surface.
Groundwater encountered at 9.11 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-21

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-33

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete (AC)
1					0	CL	CLAY with GRAVEL (CL) gray, very soft, moist, trace gravel up to 1/2 inches in diameter, no odor
							olive-gray
2					0	CL	SANDY CLAY with GRAVEL (CL) dark brown with black, medium stiff, moist, no odor, subangular gravel up to 1/2 inches
				42/60			
3	B-33-3.0	●			0.1		CLAY with SAND (CL) gray with olive-gray, medium stiff, moist, no odor
4							
5	B-33-5.0	●			0.7		
6					0.2	CL	black, shell fragments, moderate odor
7					0.2		
				31/60			
8							
9						▽	(11/10/17)
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater encountered at 8.95 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-22

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-34

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							2.5 inches asphalt concrete
						CL	SANDY CLAY with GRAVEL (CL) yellow-brown, soft, moist, no odor
1					0.3		CLAY (CL) gray, soft, moist to wet, moderate odor gray synthetic bits
2					0.1		black from 2 to 2.5 feet
				45/60			
3	B-34-3.0	●			0.3		
4					0.4		
5	B-34-5.0	●			3.4	CL	wet, organic odor
6							
7					8.3		
				47/60			
8					3.4		degraded wood
9							▽
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 10 feet below ground surface.
Groundwater encountered at 9.64 feet below ground surface during drilling.
Boring completed with temporary monitoring well.

LANGAN

Project No.: 731685403 | Figure: B-23

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-35

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							5 inches asphalt concrete (AC)
1					0	CL	CLAY (CL) gray with black streaks, very stiff, moist, weak odor
2				52.5/60	0		rock up to 1 inch in diameter rock up to 1 inch
3					0		
4					0		light gray synthetic from 4 to 4.7 inches
5					0	CL	CLAY (CL) gray, medium stiff, moist, no odor
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Groundwater in soil vapor probe tubing upon sampling.
Probe reinstalled at 3.5 feet below ground surface, total depth = 4 feet.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-24

PROJECT:	**1548 MAPLE STREET** **Redwood City, California**	**Log of Boring B-36** PAGE 1 OF 1
Boring location: See November 2017 Site Plan		Logged by: G. Stafford
Date started: 11/9/17	Date finished: 11/9/17	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3.5 inches asphalt concrete
1						ML	SILT with GRAVEL (ML) red
							gray with green, soft, moist, gravel up to 1 inch in diameter, weak odor
2						ML	SILT with GRAVEL (ML) brown, soft, moist, with gravel up to 1 inch in diameter, weak odor
				24.5/60			
3					0.3		CLAY (CL) gray, medium stiff, moist, weak odor
4					3.6	CL	wood chunks 1/2 inch gray synthetic
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.:	Figure:
731685403	B-25

TEST ENVIRONMENTAL INCHES 731685403_COPY.GPJ TEMPLATE_CA-MODIFIED.GDT 12/11/20

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-38

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete
						ML	SILT with GRAVEL (ML) yellow-brown, soft, moist, subangular gravel, no odor
1					0		CLAY (CL) gray, soft, weak odor
2				35/54	0	CL	
3					0		
4					0.3		wood chunks, some gray synthetic material
							crushed rock
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-26

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-39

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							4 inches asphalt concrete
1					0	CL	CLAY (CL) gray, soft, dry, no odor, organic material
2				36/54			
3					0.1		
4							
					0		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-27

PROJECT:	**1548 MAPLE STREET** **Redwood City, California**	**Log of Boring B-40** PAGE 1 OF 1
Boring location: See November 2017 Site Plan		Logged by: G. Stafford
Date started: 11/9/17	Date finished: 11/9/17	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete (AC)
1					0	CL	CLAY with GRAVEL and SAND (CL) brown to gray, soft to medium stiff, dry, subangular gravel, no odor
2				48/48		CL	CLAY (CL) dark gray, very soft to soft, dry, no odor
3					0.1		
4					0.1		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 3.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.:	Figure:
731685403	B-28

TEST ENVIRONMENTAL INCHES 731685403_COPY.GPJ TEMPLATE_CA-MODIFIED.GDT 12/11/20

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-41

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt concrete
0					0.0	CL	CLAY with SAND and GRAVEL (CL) brown to gray, dry, subrounded to subangular gravel, no odor
1					0		
					0.0		
2				36/48	0.4	SP	SAND (SP) black, very loose, dry, subangular, weak petroleum odor
					0.0		
3					0.0		reddish brown, some clay, lesense of fine tan sand
					0.0		
4					18.9		
					0.0		
5						SC	CLAYEY SAND (SC) dark brown, fine to coarse, dense, dry, subrounded to subangular, some silt, trace fine to coarse gravel
					0.0		
6					0.0		
					0.0		
7					0.0		
	2			55/60	0.0		
					0.0		
8					0.0		light brown
					0.0		trace coarse gravel
9					0.0		
					0.0		
10							
					0.0		
11					0.0		
					0.0		
12					0.0		
	3			58/60	0.0		
					0.0	CL	CLAY (CL) dark reddish brown, stiff, plastic, some fine to coarse gravel, trace fine to coarse sand, trace organics, trace rootlets, trace hair, black mottling
13					0.0		
					0.0		
14					0.0		
					0.0		
15							

LANGAN

Project No.: 731685403 | Figure: B-29a

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-41

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
16	4			16/16	0.0 0.0 0.0	CL	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Boring terminated at a depth of 4 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 3.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403

Figure: B-29b

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-42

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/10/17 | Date finished: 11/10/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							2 inches asphalt concrete (AC)
						ML	SANDY SILT with GRAVEL (ML) brown and gray, very soft, moist, gravel up to 1 inch in diameter, weak odor
1					0.1	CL	SANDY CLAY with GRAVEL (CL) red-brown, soft, moist, no odor
				22/36			
2					0.1	CL	CLAY (CL) gray, stiff, moist, weak odor
3					0.3		wood chunks
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 3 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 2.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-30

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-43

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6 inches aggregate base
1					0	CL	CLAY with SAND and GRAVEL (CL) brown, medium stiff, dry, no odor
2				30/54			
3						CL	CLAY (CL) dark gray, very soft, dry, no odor
4					1.1		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-31

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-44

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							3 inches asphalt concrete (AC)
1					0	CL	CLAY with SAND and GRAVEL (CL) gray-brown, medium stiff, dry, subrounded to subangular gravel, no odor
2				42/54			
3						CL	CLAY (CL) gray, very soft to soft, dry to moist, no odor
4					0		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-32

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-45

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6 inches concrete
						CL	CLAY with SAND and GRAVEL (CL) brown to gray, medium stiff, dry, no odor
1			0				CLAY (CL) gray, very soft, dry, no odor
2				36/54			
3						CL	
4			1.1				
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-33

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-46

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6 inches asphalt concrete (AC)
1					0		CLAY (CL) gray, very soft to soft, dry to moist, no odor
2				36/54		CL	
3							sand from 3 to 3.5 feet moist
4					0		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-34

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-47

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1					0		CLAY with SAND and GRAVEL (CL) dark brown, medium stiff, dry, subrounded to subangular gravel, no odor
2				24/54		CL	
3					0		
4							grades to clay, organic matter
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 4.5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-35

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-49

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							3 inches asphalt debris
						CL	SANDY CLAY (CL) yellow, moist, no odor
1					0.2		CLAY (CL) gray-brown, moist, crushed rock, no odor
2				42/60	0.1	CL	shell fragments
						PT	PEAT (PT) dark brown, moist, organic material and weathered wood
3					0.1		CLAY (CL) gray, soft, moist, no odor
4					0.1	CL	
5					0.1		wet
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 4.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-36

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-52

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0	ML	2 inches asphalt concrete (AC) SANDY SILT with GRAVEL (ML) red-gray, very soft, dry, gravel up to 1/2 inch in diameter, no odor
1					0	CL	SANDY CLAY (CL) dark brown, moist, trace gravel up to 1/2 inch in diameter brick fragments
2					0	CL SC	CLAY (CL) gray with black streaks, stiff, moist, no odor
3				36/60	0		CLAYEY SAND (SC) light gray, very dense, moist, no odor
4					0	CL	CLAY (CL) gray with black, soft to stiff, moist, no odor
5					0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Groundwater encountered in original soil gas probe at 4.5 feet. Reinstated at 3.5 feet below ground surface, total depth = 4 feet.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-37

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-53

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0							2 inches asphalt concrete (AC)
						SP-GP	SAND with GRAVEL (SP-GP) red-brown, loose, moist, no odor
1					0	CL	CLAY (CL) gray and brown, very stiff to medium stiff, moist, weak odor crushed rock
2					0		crushed rock
				29/60			
3					0		CLAY (CL) gray, stiff, moist, no odor
4					0	CL	
5					0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Groundwater not encountered during drilling.
Groundwater encountered in original soil gas probe at 4.5 feet. Reinstated at 3.5 feet below ground surface, total depth = 4 feet.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-38

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-54

Boring location: See November 2017 Site Plan | Logged by: G. Stafford

Date started: 11/9/17 | Date finished: 11/9/17

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0		3 inches asphalt concrete (AC)
1				36/36		CL	CLAY with SAND and GRAVEL (CL) brown, medium stiff, dry, subrounded to subangular, gravel, no odor
2						CL	CLAY (CL) dark gray, very soft to soft, dry, weak petroleum odor
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 3 feet below ground surface.
Groundwater not encountered during drilling.
Set soil gas probe at 2.5 feet below ground surface.
Boring backfilled with cement grout.

LANGAN

Project No.: 731685403 | Figure: B-39

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-55

Boring location: See November 2017 Site Plan

Logged by: G. Stafford
Drilled By: Penecore

Date started: 11/9/18 Date finished: 11/9/18

Drilling method: Hand Auger

Hammer weight/drop: NA Hammer type: NA

Sampler: Hand Auger

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1					0.3	ML	SILT with CLAY and GRAVEL (ML) light brown, very soft, dry, subangular gravel up to 1.5 inches in diameter, no odor
2	B-55-1.5						
3						CL	CLAY (CL) dark gray to black, stiff, moist, moderate organic odor
4					0.2		increasing softness
5	B-55-4.5				1.2		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403 Figure: B-40

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-56

Boring location: See November 2017 Site Plan
Logged by: G. Stafford
Drilled By: Penecore
Date started: 11/9/18
Date finished: 11/9/18
Drilling method: Hand Auger
Hammer weight/drop: NA
Hammer type: NA
Sampler: Hand Auger

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							5 inches concrete
1							13 inches aggregate base (AB)
2	B-56-1.5	●			0.4		CLAY (CL) dark gray, stiff, dry, wood debris, no odor
3					0.1	CL	increasing softness
4							
5	B-56-4.5	●			0.1		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403
Figure: B-41

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-57

Boring location: See November 2017 Site Plan
Logged by: G. Stafford
Drilled By: Penecore
Date started: 11/9/18 Date finished: 11/9/18
Drilling method: Hand Auger
Hammer weight/drop: NA Hammer type: NA
Sampler: Hand Auger

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							6.5 inches asphalt concrete (AC)
							5.5 inches aggregate base (AB)
1					0.2		CLAY (CL) dark gray, stiff, moist, weak organic odor
2	B-57-1.5	●					increasing softness
3						CL	
4					0.1		hairs from 4.5 to 5 feet
5	B-57-4.5	●			0.6		▽ wet
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at 5 feet below ground surface during drilling.

LANGAN

Project No.: 731685403
Figure: B-42

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-58

Boring location: See November 2017 Site Plan
Logged by: G. Stafford
Drilled By: Penecore
Date started: 11/9/18 Date finished: 11/9/18
Drilling method: Hand Auger
Hammer weight/drop: NA Hammer type: NA
Sampler: Hand Auger

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							8.5 inches concrete
1							9.5 inches aggregate base (AB)
2	B-58-1.5	●			0.2		CLAY (CL) dark gray, stiff, moist to wet, weak organic odor
3						CL	black increasing softness
4					0.3		
5	B-58-4.5	●			0.4		hairs at 4.5 feet wet ▽
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Boring terminated at a depth of 5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at 5 feet below ground surface during drilling.

LANGAN

Project No.: 731685403
Figure: B-43

PROJECT: **1548 MAPLE STREET**
Redwood City, California

Log of Boring B-59

Boring location: See November 2017 Site Plan
Logged by: G. Stafford
Drilled By: Penecore
Date started: 11/9/18
Date finished: 11/9/18
Drilling method: Hand Auger
Hammer weight/drop: NA
Hammer type: NA
Sampler: Hand Auger

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							10 inches concrete
1						ML	SILT with GRAVEL (ML) dark brown, soft, dry, subangular gravel up to 1 inch in diameter, no odor
2	B-59-1.5	●			0		
3					0.1	CL	CLAY (CL) gray with yellow-brown mottling, stiff, dry, no odor increasing softness
4							
5	B-59-4.5	●			0.1		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

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

LANGAN

Project No.: 731685403
Figure: B-44

Appendix B2

2020 Boring Logs

PROJECT: **1548 Maple Street Development**
Redwood City, California

Log of Boring B-3

Boring location: See Site Plan

Logged by: K. Cush
Drilled By: Penecore

Date started: 8/12/20 | Date finished: 8/12/20

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 21.17 feet[1]
0					0.0		SILTY SAND (SM) light brown, fine to coarse, dense, dry, subangular, well graded, some fine to coarse gravel, trace clay
1					0.0		
					0.0		
2	1			50/60	0.0		
					0.0		
					0.0		
3					0.0	SM	
					0.0		dark brown to reddish brown, some clay, trace fine gravel, trace organics, trace red chert fragments
4					0.0		
					0.0		
5							
					0.0		
6					0.0		
					0.0		
7	2			52/60	0.0		CLAYEY GRAVEL (GC) light brown, medium dense, dry, subrounded, semiplastic, trace fine to coarse sand, trace silt, trace wood
					0.0		
					0.0		
8					0.0		
					0.0		
9					0.0	GC	
					0.0		
10							
					0.0		
11					0.0		
	3			36/60	0.0		
					0.0		
12					0.0		
					0.0	SC	CLAYEY SAND (SC) grayish brown, fine to coarse, medium dense, moist, soft clay, trace fine gravel
13					0.0		
					0.0		CLAY (CL) dark brown, stiff, moist, semiplastic
14					0.0	CL	
					0.0		
15	4			2/2	0.0		
16							
17							
18							

Original grade, before surcharge: 9.5 feet
Boring terminated at 15 feet 2 inches below ground surface.
Probe set at 14 feet 8 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

[1] NAD 1983

LANGAN

Project No.: 731685405 | Figure: B-45

PROJECT:	**1548 Maple Street Development** **Redwood City, California**	**Log of Boring B-19** PAGE 1 OF 1
Boring location: See Site Plan		Logged by: K. Cush Drilled By: Penecore
Date started: 8/12/20	Date finished: 8/12/20	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 21.09 feet[1]
0					0.0		SILTY SAND (SM) reddish brown, fine to coarse, very dense, dry, subangular, well graded, some fine to coarse gravel, trace clay
1					0.0		
					0.0		
2	1			53/60	0.0	SM	
					0.0		
					0.0		
3					0.0		
					0.0		
4					0.0		CLAYEY SAND (SC) light grayish brown, fine to coarse, medium dense, dry, rounded, some fine rounded gravel, trace silt
					0.0		
5							
					0.0		
6					0.0		
					0.0		
7	2			49/60	0.0		
					0.0		
					0.0		
8					0.0	SC	
					0.0		
9					0.0		
					0.0		
10							
					0.0		
11					0.0		
					0.0		
12					0.0		
	3			58/60	0.0	SP	SAND (SP) dark gray, fine to medium, loose, moist, poorly graded
					0.0		
13					0.0		SANDY CLAY (CL) dark reddish brow with trace bright red streaks, stiff, plastic, trace fine gravel, trace red fine sand lenses
					0.0		
14					0.0		
					0.0		
15						CL	
	4			15/27	0.0		
					0.0		
16					0.0		
					0.0		
17					0.0		
					0.0		
18							

[1] NAD 1983

Original grade, before surcharge: 9.2 feet
Boring terminated at 17 feet 3 inches below ground surface.
Probe set at 16 feet 7 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

LANGAN

Project No.:	Figure:
731685405	B-46

PROJECT:	**1548 Maple Street Development** **Redwood City, California**	**Log of Boring B-20** PAGE 1 OF 1
Boring location: See Site Plan		Logged by: K. Cush Drilled By: Penecore
Date started: 8/12/20	Date finished: 8/12/20	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 20.6 feet[1]
0					0.0		SILTY SAND (SM) light brown, fine to coarse, dense, dry, subangular, well graded, some fine to coarse gravel, trace clay
1	1			33/60	0.0 0.0 0.0		
2					0.0 0.0		
3					0.0 0.0	SM	
4					0.0 0.0		dark reddish brown, moist, some clay, trace fine gravel
5					0.0		
6					0.0		
7	2			56/60	0.0 0.0 0.0		CLAYEY GRAVEL (GC) brown, dense, moist, some fine to coarse sand, trace fine red gravel
8					0.0		
9					0.0 0.0	GC	
10					0.0		
11					0.0		
12	3			52/60	0.0 0.0 0.0		
13					0.0	SP	SAND (SP) brown, fine to medium, loose, moist, poorly graded
14					0.0 0.0 0.0	GC	CLAYEY GRAVEL (GC) brown, dense, moist, some fine to coarse sand, trace fine red gravel
15	4			8/8	0.0 0.0	OH	CLAY (OH) black, medium stiff, moist, semiplastic, slight organic odor, trace fine sand
16							
17							
18							

[1] NAD 1983

Original grade, before surcharge: 9.9 feet
Boring terminated at 15 feet 8 inches below ground surface.
Probe set at 15 feet 2 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

LANGAN

Project No.:	Figure:
731685405	B-47

PROJECT:	**1548 Maple Street Development** **Redwood City, California**	**Log of Boring B-41** PAGE 1 OF 1
Boring location: See Site Plan		Logged by: K. Cush Drilled By: Penecore
Date started: 8/12/20	Date finished: 8/12/20	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 21.62 feet[1]
0					0.0		SILTY SAND (SM) light brown to reddish brown, fine to coarse, loose, dry, rounded, medium graded, some fine gravel
1					0.0		
					0.0		
2	1			46/60	0.0		
					0.0		glass fragments at 2 feet below ground surface
					0.0	SM	
3					0.0		reddish brown, some clay, lesense of fine tan sand
					0.0		
4					0.0		
					0.0		
5							CLAYEY SAND (SC) dark brown, fine to coarse, dense, dry, subrounded to subangular, some silt, trace fine to coarse gravel
					0.0		
6					0.0		
					0.0		
7					0.0		
	2			55/60	0.0		
					0.0		
8					0.0		light brown
					0.0		
9					0.0	SC	trace coarse gravel
					0.0		
10							
					0.0		
11					0.0		
					0.0		
12					0.0		
	3			58/60	0.0		
					0.0		CLAY (CL) dark reddish brown, stiff, plastic, some fine to coarse gravel, trace fine to coarse sand, trace organics, trace rootlets, trace hair, black mottling
13					0.0		
					0.0		
14					0.0		
					0.0	CL	
15							
	4			16/16	0.0		
					0.0		
16					0.0		
17							
18							

Original grade, before surcharge: 9.3 feet
Boring terminated at 16 feet 4 inches below ground surface.
Probe set at 15 feet 10 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

[1] NAD 1983

LANGAN

Project No.:	Figure:
731685405	B-48

PROJECT:	**1548 Maple Street Development** **Redwood City, California**	**Log of Boring B-60** PAGE 1 OF 1
Boring location: See Site Plan		Logged by: K. Cush Drilled By: Penecore
Date started: 8/12/20	Date finished: 8/12/20	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 20.93 feet[1]
0					0.0		SILTY SAND (SM) light brown, fine to coarse, medium dense, dry, medium graded, trace clay, trace fine gravel
1					0.0		
					0.0		
2	1			47/60	0.0		
					0.0	SM	
					0.0		
3					0.0		
					0.0		
4					0.0		
					0.0		
5						SC	CLAYEY SAND (SC) reddish brown, fine to coarse, dense, dry, medium graded, some fine to coarse gravel, trace fine red sand
					0.0		
6					0.0		
					0.0		CLAY (CL) dark brown to dark red, medium stiff, semiplastic, moist, some fine to coarse gravel, fine sand lenses
7	2			49/60	0.0		
					0.0		
					0.0		
8					0.0		
					0.0		
9					0.0		
					0.0		
10						CL	
					0.0		
11					0.0		
	3			38/60	0.0		
12					0.0		
					0.0		
13					0.0		
					0.0		
14					0.0	SP	SAND (SP) brown, fine, loose, moist, rounded, poorly graded
					0.0		CLAY (OH) ▽ black, medium stiff, wet, trace silt, trace fine sand, organic odor
15							
					0.0	OH	
16	4			23/23	0.0		
					0.0		
					0.0		
17							
18							

Original grade, before surcharge: 10.0 feet
Boring terminated at 16 feet 11 inches below ground surface.
Groundwater encountered at 15 feet below ground surface. Backfill with hydrated bentonite to 15 feet below ground surface.
Probe set at 14 feet 6 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

[1] NAD 1983

LANGAN

Project No.:	Figure:
731685405	B-49

TEST ENVIRONMENTAL_INCHES_731685405_AUGUST 2020 SV.GPJ_TEMPLATE_CA-MODIFIED.GDT 12/11/20

PROJECT:	**1548 Maple Street Development Redwood City, California**	**Log of Boring B-61**
		PAGE 1 OF 1

Boring location: See Site Plan		Logged by: K. Cush Drilled By: Penecore
Date started: 8/12/20	Date finished: 8/12/20	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 20.69 feet[1]
0					0.0		SILTY SAND (SM) light brown, fine to coarse, medium dense, dry, medium graded, trace clay, trace fine gravel
1					0.0		
					0.0		
2	1			52/60	0.0	SM	
					0.0		
					0.0		
3					0.0		
					0.0		
4					0.0		
					0.0		CLAYEY SAND (SC) reddish brown, fine to coarse, dense, dry, medium graded, some fine to coarse gravel, trace fine red sand
5						SC	
					0.0		
6					0.0		CLAY (CL) dark brown to dark red, medium stiff, semiplastic, moist, some fine to coarse sand, some fine to coarse gravel
					0.0		
7	2			53/60	0.0		
					0.0		
					0.0		
8					0.0		
					0.0		
9					0.0		
					0.0	CL	
10							
					0.0		
11					0.0		
					0.0		
12	3			49/60	0.0		
					0.0		
					0.0		
13					0.0	SP	SAND (SP) light brown, fine to medium, loose, moist, rounded, poorly graded
					0.0		CLAY (OH) brown to black, medium stiff, wet, trace silt, trace fine sand, organic odor
14					0.0		
					0.0		
15						OH	▽
	4			15/15	0.0		
					0.0		
16					0.0		
17							
18							

Original grade, before surcharge: 10.4 feet
Boring terminated at 16 feet 3 inches below ground surface.
Groundwater encountered at 15 feet below ground surface. Backfill with hydrated bentonite to 15 feet below ground surface.
Probe set at 14 feet 6 inches below ground surface.
Boring overdrilled and backfilled with neat cement grout to orginal grade.
Remaining borehole filled with cuttings from surcharge material.

[1] NAD 1983

LANGAN

Project No.:	Figure:
731685405	B-50

TEST ENVIRONMENTAL_INCHES_731685405_AUGUST 2020 SV.GPJ_TEMPLATE_CA-MODIFIED.GDT_12/11/20

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

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

Unstabilized groundwater level

Stabilized groundwater level

SAMPLE DESIGNATIONS/SYMBOLS

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

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push or Drive sampler

SAMPLER TYPE

C Core barrel

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

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

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

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

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

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

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

LANGAN
Langan Engineering and Environmental Services, Inc.
135 Main Street, Suite 1500
San Francisco, CA 94105
T: 415.955.5200 F: 415.955.5201 www.langan.com

Project: 1548 MAPLE STREET
REDWOOD CITY
SAN MATEO COUNTY CALIFORNIA

Figure Title: SOIL CLASSIFICATION CHART

Project No. 731685405
Date 12/10/2020
Drawn By JDF
Checked By KK

Figure B-51

Filename: \\langan.com\data\SFO\data4\731685405\Project Data\CAD\05\2D-DesignFiles\Geotechnical\731685405-B-GI0101.dwg Date: 12/10/2020 Time: 16:30 User: jfrank Style Table: Langan.stb Layout: ANSIA-BP

APPENDIX C

ANALYTICAL LABORATORY REPORTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1811547

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 11/13/2018

Analytical Report reviewed & approved for release on 11/20/2018 by:

Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1811547

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1811547

Analytical Qualifiers

S	Surrogate spike recovery outside accepted recovery limits
c2	Surrogate recovery outside of the control limits due to matrix interference.
c7	Surrogate value diluted out of range
c12	Surrogate recovery outside of the control limits
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e1	Unmodified or weakly modified diesel is significant
e2	Diesel range compounds are significant; no recognizable pattern
e6	One to a few isolated peaks present in the TPH(d/mo) chromatogram
e7	Oil range compounds are significant
e8/e11	Pattern resembles kerosene/kerosene range/jet fuel range; and/or Pattern resembles stoddard solvent/mineral spirit

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-1.5	1811547-016A	Soil	11/09/2018 12:50	GC18 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 15:32
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 15:32
Benzene	ND	0.0050	1	11/19/2018 15:32
Bromobenzene	ND	0.0050	1	11/19/2018 15:32
Bromochloromethane	ND	0.0050	1	11/19/2018 15:32
Bromodichloromethane	ND	0.0050	1	11/19/2018 15:32
Bromoform	ND	0.0050	1	11/19/2018 15:32
Bromomethane	ND	0.0050	1	11/19/2018 15:32
2-Butanone (MEK)	ND	0.020	1	11/19/2018 15:32
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 15:32
n-Butyl benzene	ND	0.0050	1	11/19/2018 15:32
sec-Butyl benzene	ND	0.0050	1	11/19/2018 15:32
tert-Butyl benzene	ND	0.0050	1	11/19/2018 15:32
Carbon Disulfide	ND	0.0050	1	11/19/2018 15:32
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 15:32
Chlorobenzene	ND	0.0050	1	11/19/2018 15:32
Chloroethane	ND	0.0050	1	11/19/2018 15:32
Chloroform	ND	0.0050	1	11/19/2018 15:32
Chloromethane	ND	0.0050	1	11/19/2018 15:32
2-Chlorotoluene	ND	0.0050	1	11/19/2018 15:32
4-Chlorotoluene	ND	0.0050	1	11/19/2018 15:32
Dibromochloromethane	ND	0.0050	1	11/19/2018 15:32
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 15:32
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 15:32
Dibromomethane	ND	0.0050	1	11/19/2018 15:32
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:32
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:32
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:32
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 15:32
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 15:32
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 15:32
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 15:32
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:32
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:32
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:32
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 15:32
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:32

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-1.5	1811547-016A	Soil	11/09/2018 12:50	GC18 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 15:32
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:32
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:32
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 15:32
Ethylbenzene	ND	0.0050	1	11/19/2018 15:32
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 15:32
Freon 113	ND	0.0050	1	11/19/2018 15:32
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 15:32
Hexachloroethane	ND	0.0050	1	11/19/2018 15:32
2-Hexanone	ND	0.0050	1	11/19/2018 15:32
Isopropylbenzene	ND	0.0050	1	11/19/2018 15:32
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 15:32
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 15:32
Methylene chloride	ND	0.010	1	11/19/2018 15:32
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 15:32
Naphthalene	ND	0.0050	1	11/19/2018 15:32
n-Propyl benzene	ND	0.0050	1	11/19/2018 15:32
Styrene	ND	0.0050	1	11/19/2018 15:32
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:32
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:32
Tetrachloroethene	ND	0.0050	1	11/19/2018 15:32
Toluene	ND	0.0050	1	11/19/2018 15:32
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:32
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:32
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 15:32
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 15:32
Trichloroethene	ND	0.0050	1	11/19/2018 15:32
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 15:32
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 15:32
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:32
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:32
Vinyl Chloride	ND	0.0050	1	11/19/2018 15:32
m,p-Xylene	ND	0.0050	1	11/19/2018 15:32
o-Xylene	ND	0.0050	1	11/19/2018 15:32
Xylenes, Total	ND	0.0050	1	11/19/2018 15:32

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-1.5	1811547-016A	Soil	11/09/2018 12:50	GC18 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	83	82-136		11/19/2018 15:32
Toluene-d8	97	92-139		11/19/2018 15:32
4-BFB	87	82-135		11/19/2018 15:32
Benzene-d6	98	55-122		11/19/2018 15:32
Ethylbenzene-d10	109	58-141		11/19/2018 15:32
1,2-DCB-d4	84	51-107		11/19/2018 15:32

Analyst(s): TK

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-4.5	1811547-017A	Soil	11/09/2018 12:55	GC10 11191827.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	2	11/20/2018 00:36
tert-Amyl methyl ether (TAME)	ND	0.010	2	11/20/2018 00:36
Benzene	ND	0.010	2	11/20/2018 00:36
Bromobenzene	ND	0.010	2	11/20/2018 00:36
Bromochloromethane	ND	0.010	2	11/20/2018 00:36
Bromodichloromethane	ND	0.010	2	11/20/2018 00:36
Bromoform	ND	0.010	2	11/20/2018 00:36
Bromomethane	ND	0.010	2	11/20/2018 00:36
2-Butanone (MEK)	ND	0.040	2	11/20/2018 00:36
t-Butyl alcohol (TBA)	ND	0.10	2	11/20/2018 00:36
n-Butyl benzene	ND	0.010	2	11/20/2018 00:36
sec-Butyl benzene	ND	0.010	2	11/20/2018 00:36
tert-Butyl benzene	ND	0.010	2	11/20/2018 00:36
Carbon Disulfide	ND	0.010	2	11/20/2018 00:36
Carbon Tetrachloride	ND	0.010	2	11/20/2018 00:36
Chlorobenzene	**0.19**	0.010	2	11/20/2018 00:36
Chloroethane	ND	0.010	2	11/20/2018 00:36
Chloroform	ND	0.010	2	11/20/2018 00:36
Chloromethane	ND	0.010	2	11/20/2018 00:36
2-Chlorotoluene	ND	0.010	2	11/20/2018 00:36
4-Chlorotoluene	ND	0.010	2	11/20/2018 00:36
Dibromochloromethane	ND	0.010	2	11/20/2018 00:36
1,2-Dibromo-3-chloropropane	ND	0.0080	2	11/20/2018 00:36
1,2-Dibromoethane (EDB)	ND	0.0080	2	11/20/2018 00:36
Dibromomethane	ND	0.010	2	11/20/2018 00:36
1,2-Dichlorobenzene	ND	0.010	2	11/20/2018 00:36
1,3-Dichlorobenzene	ND	0.010	2	11/20/2018 00:36
1,4-Dichlorobenzene	**0.026**	0.010	2	11/20/2018 00:36
Dichlorodifluoromethane	ND	0.010	2	11/20/2018 00:36
1,1-Dichloroethane	ND	0.010	2	11/20/2018 00:36
1,2-Dichloroethane (1,2-DCA)	ND	0.0080	2	11/20/2018 00:36
1,1-Dichloroethene	ND	0.010	2	11/20/2018 00:36
cis-1,2-Dichloroethene	ND	0.010	2	11/20/2018 00:36
trans-1,2-Dichloroethene	ND	0.010	2	11/20/2018 00:36
1,2-Dichloropropane	ND	0.010	2	11/20/2018 00:36
1,3-Dichloropropane	ND	0.010	2	11/20/2018 00:36
2,2-Dichloropropane	ND	0.010	2	11/20/2018 00:36

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-4.5	1811547-017A	Soil	11/09/2018 12:55	GC10 11191827.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.010	2	11/20/2018 00:36
cis-1,3-Dichloropropene	ND	0.010	2	11/20/2018 00:36
trans-1,3-Dichloropropene	ND	0.010	2	11/20/2018 00:36
Diisopropyl ether (DIPE)	ND	0.010	2	11/20/2018 00:36
Ethylbenzene	**0.046**	0.010	2	11/20/2018 00:36
Ethyl tert-butyl ether (ETBE)	ND	0.010	2	11/20/2018 00:36
Freon 113	ND	0.010	2	11/20/2018 00:36
Hexachlorobutadiene	ND	0.010	2	11/20/2018 00:36
Hexachloroethane	ND	0.010	2	11/20/2018 00:36
2-Hexanone	ND	0.010	2	11/20/2018 00:36
Isopropylbenzene	ND	0.010	2	11/20/2018 00:36
4-Isopropyl toluene	ND	0.010	2	11/20/2018 00:36
Methyl-t-butyl ether (MTBE)	ND	0.010	2	11/20/2018 00:36
Methylene chloride	ND	0.020	2	11/20/2018 00:36
4-Methyl-2-pentanone (MIBK)	ND	0.010	2	11/20/2018 00:36
Naphthalene	ND	0.010	2	11/20/2018 00:36
n-Propyl benzene	ND	0.010	2	11/20/2018 00:36
Styrene	ND	0.010	2	11/20/2018 00:36
1,1,1,2-Tetrachloroethane	ND	0.010	2	11/20/2018 00:36
1,1,2,2-Tetrachloroethane	ND	0.010	2	11/20/2018 00:36
Tetrachloroethene	ND	0.010	2	11/20/2018 00:36
Toluene	ND	0.010	2	11/20/2018 00:36
1,2,3-Trichlorobenzene	ND	0.010	2	11/20/2018 00:36
1,2,4-Trichlorobenzene	ND	0.010	2	11/20/2018 00:36
1,1,1-Trichloroethane	ND	0.010	2	11/20/2018 00:36
1,1,2-Trichloroethane	ND	0.010	2	11/20/2018 00:36
Trichloroethene	ND	0.010	2	11/20/2018 00:36
Trichlorofluoromethane	ND	0.010	2	11/20/2018 00:36
1,2,3-Trichloropropane	ND	0.010	2	11/20/2018 00:36
1,2,4-Trimethylbenzene	ND	0.010	2	11/20/2018 00:36
1,3,5-Trimethylbenzene	ND	0.010	2	11/20/2018 00:36
Vinyl Chloride	ND	0.010	2	11/20/2018 00:36
m,p-Xylene	ND	0.010	2	11/20/2018 00:36
o-Xylene	ND	0.010	2	11/20/2018 00:36
Xylenes, Total	ND	0.010	2	11/20/2018 00:36

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-4.5	1811547-017A	Soil	11/09/2018 12:55	GC10 11191827.D	168368

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	83	82-136		11/20/2018 00:36
Toluene-d8	95	92-139		11/20/2018 00:36
4-BFB	89	82-135		11/20/2018 00:36
Benzene-d6	69	55-122		11/20/2018 00:36
Ethylbenzene-d10	78	58-141		11/20/2018 00:36
1,2-DCB-d4	75	51-107		11/20/2018 00:36

Analyst(s): KF

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-1.5	1811547-018A	Soil	11/09/2018 12:35	GC18 11191816.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 16:51
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 16:51
Benzene	ND	0.0050	1	11/19/2018 16:51
Bromobenzene	ND	0.0050	1	11/19/2018 16:51
Bromochloromethane	ND	0.0050	1	11/19/2018 16:51
Bromodichloromethane	ND	0.0050	1	11/19/2018 16:51
Bromoform	ND	0.0050	1	11/19/2018 16:51
Bromomethane	ND	0.0050	1	11/19/2018 16:51
2-Butanone (MEK)	ND	0.020	1	11/19/2018 16:51
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 16:51
n-Butyl benzene	ND	0.0050	1	11/19/2018 16:51
sec-Butyl benzene	ND	0.0050	1	11/19/2018 16:51
tert-Butyl benzene	ND	0.0050	1	11/19/2018 16:51
Carbon Disulfide	ND	0.0050	1	11/19/2018 16:51
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 16:51
Chlorobenzene	ND	0.0050	1	11/19/2018 16:51
Chloroethane	ND	0.0050	1	11/19/2018 16:51
Chloroform	ND	0.0050	1	11/19/2018 16:51
Chloromethane	ND	0.0050	1	11/19/2018 16:51
2-Chlorotoluene	ND	0.0050	1	11/19/2018 16:51
4-Chlorotoluene	ND	0.0050	1	11/19/2018 16:51
Dibromochloromethane	ND	0.0050	1	11/19/2018 16:51
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 16:51
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 16:51
Dibromomethane	ND	0.0050	1	11/19/2018 16:51
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:51
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:51
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:51
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 16:51
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 16:51
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 16:51
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 16:51
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:51
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:51
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:51
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 16:51
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:51

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-1.5	1811547-018A	Soil	11/09/2018 12:35	GC18 11191816.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 16:51
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:51
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:51
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 16:51
Ethylbenzene	ND	0.0050	1	11/19/2018 16:51
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 16:51
Freon 113	ND	0.0050	1	11/19/2018 16:51
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 16:51
Hexachloroethane	ND	0.0050	1	11/19/2018 16:51
2-Hexanone	ND	0.0050	1	11/19/2018 16:51
Isopropylbenzene	ND	0.0050	1	11/19/2018 16:51
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 16:51
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 16:51
Methylene chloride	ND	0.010	1	11/19/2018 16:51
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 16:51
Naphthalene	ND	0.0050	1	11/19/2018 16:51
n-Propyl benzene	ND	0.0050	1	11/19/2018 16:51
Styrene	ND	0.0050	1	11/19/2018 16:51
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:51
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:51
Tetrachloroethene	ND	0.0050	1	11/19/2018 16:51
Toluene	ND	0.0050	1	11/19/2018 16:51
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:51
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:51
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 16:51
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 16:51
Trichloroethene	ND	0.0050	1	11/19/2018 16:51
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 16:51
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 16:51
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:51
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:51
Vinyl Chloride	ND	0.0050	1	11/19/2018 16:51
m,p-Xylene	ND	0.0050	1	11/19/2018 16:51
o-Xylene	ND	0.0050	1	11/19/2018 16:51
Xylenes, Total	ND	0.0050	1	11/19/2018 16:51

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-1.5	**1811547-018A**	**Soil**	**11/09/2018 12:35**	**GC18 11191816.D**	**168368**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	84	82-136		11/19/2018 16:51
Toluene-d8	98	92-139		11/19/2018 16:51
4-BFB	88	82-135		11/19/2018 16:51
Benzene-d6	86	55-122		11/19/2018 16:51
Ethylbenzene-d10	88	58-141		11/19/2018 16:51
1,2-DCB-d4	69	51-107		11/19/2018 16:51

Analyst(s): TK

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-4.5	1811547-019A	Soil	11/09/2018 12:40	GC10 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 15:37
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 15:37
Benzene	ND	0.0050	1	11/19/2018 15:37
Bromobenzene	ND	0.0050	1	11/19/2018 15:37
Bromochloromethane	ND	0.0050	1	11/19/2018 15:37
Bromodichloromethane	ND	0.0050	1	11/19/2018 15:37
Bromoform	ND	0.0050	1	11/19/2018 15:37
Bromomethane	ND	0.0050	1	11/19/2018 15:37
2-Butanone (MEK)	ND	0.020	1	11/19/2018 15:37
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 15:37
n-Butyl benzene	ND	0.0050	1	11/19/2018 15:37
sec-Butyl benzene	ND	0.0050	1	11/19/2018 15:37
tert-Butyl benzene	ND	0.0050	1	11/19/2018 15:37
Carbon Disulfide	ND	0.0050	1	11/19/2018 15:37
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 15:37
Chlorobenzene	ND	0.0050	1	11/19/2018 15:37
Chloroethane	ND	0.0050	1	11/19/2018 15:37
Chloroform	ND	0.0050	1	11/19/2018 15:37
Chloromethane	ND	0.0050	1	11/19/2018 15:37
2-Chlorotoluene	ND	0.0050	1	11/19/2018 15:37
4-Chlorotoluene	ND	0.0050	1	11/19/2018 15:37
Dibromochloromethane	ND	0.0050	1	11/19/2018 15:37
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 15:37
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 15:37
Dibromomethane	ND	0.0050	1	11/19/2018 15:37
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:37
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:37
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:37
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 15:37
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 15:37
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 15:37
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 15:37
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:37
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:37
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:37
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 15:37
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:37

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-4.5	1811547-019A	Soil	11/09/2018 12:40	GC10 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 15:37
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:37
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:37
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 15:37
Ethylbenzene	ND	0.0050	1	11/19/2018 15:37
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 15:37
Freon 113	ND	0.0050	1	11/19/2018 15:37
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 15:37
Hexachloroethane	ND	0.0050	1	11/19/2018 15:37
2-Hexanone	ND	0.0050	1	11/19/2018 15:37
Isopropylbenzene	ND	0.0050	1	11/19/2018 15:37
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 15:37
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 15:37
Methylene chloride	ND	0.010	1	11/19/2018 15:37
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 15:37
Naphthalene	ND	0.0050	1	11/19/2018 15:37
n-Propyl benzene	ND	0.0050	1	11/19/2018 15:37
Styrene	ND	0.0050	1	11/19/2018 15:37
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:37
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:37
Tetrachloroethene	ND	0.0050	1	11/19/2018 15:37
Toluene	ND	0.0050	1	11/19/2018 15:37
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:37
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:37
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 15:37
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 15:37
Trichloroethene	ND	0.0050	1	11/19/2018 15:37
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 15:37
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 15:37
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:37
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:37
Vinyl Chloride	ND	0.0050	1	11/19/2018 15:37
m,p-Xylene	ND	0.0050	1	11/19/2018 15:37
o-Xylene	ND	0.0050	1	11/19/2018 15:37
Xylenes, Total	ND	0.0050	1	11/19/2018 15:37

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-4.5	**1811547-019A**	**Soil**	**11/09/2018 12:40**	**GC10 11191814.D**	**168368**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	81	S	82-136	11/19/2018 15:37
Toluene-d8	97		92-139	11/19/2018 15:37
4-BFB	85		82-135	11/19/2018 15:37
Benzene-d6	70		55-122	11/19/2018 15:37
Ethylbenzene-d10	79		58-141	11/19/2018 15:37
1,2-DCB-d4	67		51-107	11/19/2018 15:37

Analyst(s): TK

Analytical Comments: c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-1.5	1811547-020A	Soil	11/09/2018 12:15	GC10 11191815.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 16:18
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 16:18
Benzene	ND	0.0050	1	11/19/2018 16:18
Bromobenzene	ND	0.0050	1	11/19/2018 16:18
Bromochloromethane	ND	0.0050	1	11/19/2018 16:18
Bromodichloromethane	ND	0.0050	1	11/19/2018 16:18
Bromoform	ND	0.0050	1	11/19/2018 16:18
Bromomethane	ND	0.0050	1	11/19/2018 16:18
2-Butanone (MEK)	ND	0.020	1	11/19/2018 16:18
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 16:18
n-Butyl benzene	ND	0.0050	1	11/19/2018 16:18
sec-Butyl benzene	ND	0.0050	1	11/19/2018 16:18
tert-Butyl benzene	ND	0.0050	1	11/19/2018 16:18
Carbon Disulfide	ND	0.0050	1	11/19/2018 16:18
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 16:18
Chlorobenzene	**0.052**	0.0050	1	11/19/2018 16:18
Chloroethane	ND	0.0050	1	11/19/2018 16:18
Chloroform	ND	0.0050	1	11/19/2018 16:18
Chloromethane	ND	0.0050	1	11/19/2018 16:18
2-Chlorotoluene	ND	0.0050	1	11/19/2018 16:18
4-Chlorotoluene	ND	0.0050	1	11/19/2018 16:18
Dibromochloromethane	ND	0.0050	1	11/19/2018 16:18
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 16:18
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 16:18
Dibromomethane	ND	0.0050	1	11/19/2018 16:18
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:18
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:18
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:18
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 16:18
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 16:18
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 16:18
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 16:18
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:18
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:18
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:18
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 16:18
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:18

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-1.5	1811547-020A	Soil	11/09/2018 12:15	GC10 11191815.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 16:18
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:18
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:18
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 16:18
Ethylbenzene	ND	0.0050	1	11/19/2018 16:18
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 16:18
Freon 113	ND	0.0050	1	11/19/2018 16:18
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 16:18
Hexachloroethane	ND	0.0050	1	11/19/2018 16:18
2-Hexanone	ND	0.0050	1	11/19/2018 16:18
Isopropylbenzene	ND	0.0050	1	11/19/2018 16:18
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 16:18
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 16:18
Methylene chloride	ND	0.010	1	11/19/2018 16:18
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 16:18
Naphthalene	ND	0.0050	1	11/19/2018 16:18
n-Propyl benzene	ND	0.0050	1	11/19/2018 16:18
Styrene	ND	0.0050	1	11/19/2018 16:18
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:18
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:18
Tetrachloroethene	ND	0.0050	1	11/19/2018 16:18
Toluene	ND	0.0050	1	11/19/2018 16:18
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:18
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:18
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 16:18
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 16:18
Trichloroethene	ND	0.0050	1	11/19/2018 16:18
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 16:18
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 16:18
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:18
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:18
Vinyl Chloride	ND	0.0050	1	11/19/2018 16:18
m,p-Xylene	ND	0.0050	1	11/19/2018 16:18
o-Xylene	ND	0.0050	1	11/19/2018 16:18
Xylenes, Total	ND	0.0050	1	11/19/2018 16:18

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-1.5	**1811547-020A**	**Soil**	**11/09/2018 12:15**	**GC10 11191815.D**	**168368**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	83	82-136		11/19/2018 16:18
Toluene-d8	100	92-139		11/19/2018 16:18
4-BFB	84	82-135		11/19/2018 16:18
Benzene-d6	89	55-122		11/19/2018 16:18
Ethylbenzene-d10	102	58-141		11/19/2018 16:18
1,2-DCB-d4	81	51-107		11/19/2018 16:18

Analyst(s): TK

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-4.5	1811547-021A	Soil	11/09/2018 12:20	GC10 11191828.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	2	11/20/2018 01:16
tert-Amyl methyl ether (TAME)	ND	0.010	2	11/20/2018 01:16
Benzene	ND	0.010	2	11/20/2018 01:16
Bromobenzene	ND	0.010	2	11/20/2018 01:16
Bromochloromethane	ND	0.010	2	11/20/2018 01:16
Bromodichloromethane	ND	0.010	2	11/20/2018 01:16
Bromoform	ND	0.010	2	11/20/2018 01:16
Bromomethane	ND	0.010	2	11/20/2018 01:16
2-Butanone (MEK)	ND	0.040	2	11/20/2018 01:16
t-Butyl alcohol (TBA)	ND	0.10	2	11/20/2018 01:16
n-Butyl benzene	ND	0.010	2	11/20/2018 01:16
sec-Butyl benzene	ND	0.010	2	11/20/2018 01:16
tert-Butyl benzene	ND	0.010	2	11/20/2018 01:16
Carbon Disulfide	ND	0.010	2	11/20/2018 01:16
Carbon Tetrachloride	ND	0.010	2	11/20/2018 01:16
Chlorobenzene	**0.28**	0.010	2	11/20/2018 01:16
Chloroethane	ND	0.010	2	11/20/2018 01:16
Chloroform	ND	0.010	2	11/20/2018 01:16
Chloromethane	ND	0.010	2	11/20/2018 01:16
2-Chlorotoluene	ND	0.010	2	11/20/2018 01:16
4-Chlorotoluene	ND	0.010	2	11/20/2018 01:16
Dibromochloromethane	ND	0.010	2	11/20/2018 01:16
1,2-Dibromo-3-chloropropane	ND	0.0080	2	11/20/2018 01:16
1,2-Dibromoethane (EDB)	ND	0.0080	2	11/20/2018 01:16
Dibromomethane	ND	0.010	2	11/20/2018 01:16
1,2-Dichlorobenzene	ND	0.010	2	11/20/2018 01:16
1,3-Dichlorobenzene	ND	0.010	2	11/20/2018 01:16
1,4-Dichlorobenzene	ND	0.010	2	11/20/2018 01:16
Dichlorodifluoromethane	ND	0.010	2	11/20/2018 01:16
1,1-Dichloroethane	ND	0.010	2	11/20/2018 01:16
1,2-Dichloroethane (1,2-DCA)	ND	0.0080	2	11/20/2018 01:16
1,1-Dichloroethene	ND	0.010	2	11/20/2018 01:16
cis-1,2-Dichloroethene	ND	0.010	2	11/20/2018 01:16
trans-1,2-Dichloroethene	ND	0.010	2	11/20/2018 01:16
1,2-Dichloropropane	ND	0.010	2	11/20/2018 01:16
1,3-Dichloropropane	ND	0.010	2	11/20/2018 01:16
2,2-Dichloropropane	ND	0.010	2	11/20/2018 01:16

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-4.5	1811547-021A	Soil	11/09/2018 12:20	GC10 11191828.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.010	2	11/20/2018 01:16
cis-1,3-Dichloropropene	ND	0.010	2	11/20/2018 01:16
trans-1,3-Dichloropropene	ND	0.010	2	11/20/2018 01:16
Diisopropyl ether (DIPE)	ND	0.010	2	11/20/2018 01:16
Ethylbenzene	**0.010**	0.010	2	11/20/2018 01:16
Ethyl tert-butyl ether (ETBE)	ND	0.010	2	11/20/2018 01:16
Freon 113	ND	0.010	2	11/20/2018 01:16
Hexachlorobutadiene	ND	0.010	2	11/20/2018 01:16
Hexachloroethane	ND	0.010	2	11/20/2018 01:16
2-Hexanone	ND	0.010	2	11/20/2018 01:16
Isopropylbenzene	ND	0.010	2	11/20/2018 01:16
4-Isopropyl toluene	ND	0.010	2	11/20/2018 01:16
Methyl-t-butyl ether (MTBE)	ND	0.010	2	11/20/2018 01:16
Methylene chloride	ND	0.020	2	11/20/2018 01:16
4-Methyl-2-pentanone (MIBK)	ND	0.010	2	11/20/2018 01:16
Naphthalene	ND	0.010	2	11/20/2018 01:16
n-Propyl benzene	ND	0.010	2	11/20/2018 01:16
Styrene	ND	0.010	2	11/20/2018 01:16
1,1,1,2-Tetrachloroethane	ND	0.010	2	11/20/2018 01:16
1,1,2,2-Tetrachloroethane	ND	0.010	2	11/20/2018 01:16
Tetrachloroethene	ND	0.010	2	11/20/2018 01:16
Toluene	ND	0.010	2	11/20/2018 01:16
1,2,3-Trichlorobenzene	ND	0.010	2	11/20/2018 01:16
1,2,4-Trichlorobenzene	ND	0.010	2	11/20/2018 01:16
1,1,1-Trichloroethane	ND	0.010	2	11/20/2018 01:16
1,1,2-Trichloroethane	ND	0.010	2	11/20/2018 01:16
Trichloroethene	ND	0.010	2	11/20/2018 01:16
Trichlorofluoromethane	ND	0.010	2	11/20/2018 01:16
1,2,3-Trichloropropane	ND	0.010	2	11/20/2018 01:16
1,2,4-Trimethylbenzene	ND	0.010	2	11/20/2018 01:16
1,3,5-Trimethylbenzene	ND	0.010	2	11/20/2018 01:16
Vinyl Chloride	ND	0.010	2	11/20/2018 01:16
m,p-Xylene	ND	0.010	2	11/20/2018 01:16
o-Xylene	ND	0.010	2	11/20/2018 01:16
Xylenes, Total	ND	0.010	2	11/20/2018 01:16

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-4.5	**1811547-021A**	**Soil**	**11/09/2018 12:20**	**GC10 11191828.D**	**168368**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	83	82-136		11/20/2018 01:16
Toluene-d8	94	92-139		11/20/2018 01:16
4-BFB	89	82-135		11/20/2018 01:16
Benzene-d6	67	55-122		11/20/2018 01:16
Ethylbenzene-d10	71	58-141		11/20/2018 01:16
1,2-DCB-d4	68	51-107		11/20/2018 01:16

Analyst(s): KF

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-1.5	1811547-022A	Soil	11/09/2018 12:05	GC38 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 15:58
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 15:58
Benzene	ND	0.0050	1	11/19/2018 15:58
Bromobenzene	ND	0.0050	1	11/19/2018 15:58
Bromochloromethane	ND	0.0050	1	11/19/2018 15:58
Bromodichloromethane	ND	0.0050	1	11/19/2018 15:58
Bromoform	ND	0.0050	1	11/19/2018 15:58
Bromomethane	ND	0.0050	1	11/19/2018 15:58
2-Butanone (MEK)	ND	0.020	1	11/19/2018 15:58
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 15:58
n-Butyl benzene	ND	0.0050	1	11/19/2018 15:58
sec-Butyl benzene	ND	0.0050	1	11/19/2018 15:58
tert-Butyl benzene	ND	0.0050	1	11/19/2018 15:58
Carbon Disulfide	ND	0.0050	1	11/19/2018 15:58
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 15:58
Chlorobenzene	ND	0.0050	1	11/19/2018 15:58
Chloroethane	ND	0.0050	1	11/19/2018 15:58
Chloroform	ND	0.0050	1	11/19/2018 15:58
Chloromethane	ND	0.0050	1	11/19/2018 15:58
2-Chlorotoluene	ND	0.0050	1	11/19/2018 15:58
4-Chlorotoluene	ND	0.0050	1	11/19/2018 15:58
Dibromochloromethane	ND	0.0050	1	11/19/2018 15:58
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 15:58
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 15:58
Dibromomethane	ND	0.0050	1	11/19/2018 15:58
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:58
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:58
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 15:58
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 15:58
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 15:58
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 15:58
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 15:58
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:58
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 15:58
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:58
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 15:58
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 15:58

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-1.5	1811547-022A	Soil	11/09/2018 12:05	GC38 11191814.D	168368

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 15:58
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:58
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 15:58
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 15:58
Ethylbenzene	ND	0.0050	1	11/19/2018 15:58
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 15:58
Freon 113	ND	0.0050	1	11/19/2018 15:58
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 15:58
Hexachloroethane	ND	0.0050	1	11/19/2018 15:58
2-Hexanone	ND	0.0050	1	11/19/2018 15:58
Isopropylbenzene	ND	0.0050	1	11/19/2018 15:58
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 15:58
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 15:58
Methylene chloride	ND	0.010	1	11/19/2018 15:58
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 15:58
Naphthalene	ND	0.0050	1	11/19/2018 15:58
n-Propyl benzene	ND	0.0050	1	11/19/2018 15:58
Styrene	ND	0.0050	1	11/19/2018 15:58
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:58
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 15:58
Tetrachloroethene	ND	0.0050	1	11/19/2018 15:58
Toluene	ND	0.0050	1	11/19/2018 15:58
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:58
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 15:58
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 15:58
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 15:58
Trichloroethene	ND	0.0050	1	11/19/2018 15:58
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 15:58
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 15:58
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:58
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 15:58
Vinyl Chloride	ND	0.0050	1	11/19/2018 15:58
m,p-Xylene	ND	0.0050	1	11/19/2018 15:58
o-Xylene	ND	0.0050	1	11/19/2018 15:58
Xylenes, Total	ND	0.0050	1	11/19/2018 15:58

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-1.5	**1811547-022A**	**Soil**	**11/09/2018 12:05**	**GC38 11191814.D**	**168368**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	90		82-136	11/19/2018 15:58
Toluene-d8	89	S	92-139	11/19/2018 15:58
4-BFB	95		82-135	11/19/2018 15:58
Benzene-d6	81		55-122	11/19/2018 15:58
Ethylbenzene-d10	88		58-141	11/19/2018 15:58
1,2-DCB-d4	73		51-107	11/19/2018 15:58

Analyst(s): TK Analytical Comments: c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-4.5	1811547-023A	Soil	11/09/2018 12:10	GC38 11191815.D	168390

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 16:35
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 16:35
Benzene	ND	0.0050	1	11/19/2018 16:35
Bromobenzene	ND	0.0050	1	11/19/2018 16:35
Bromochloromethane	ND	0.0050	1	11/19/2018 16:35
Bromodichloromethane	ND	0.0050	1	11/19/2018 16:35
Bromoform	ND	0.0050	1	11/19/2018 16:35
Bromomethane	ND	0.0050	1	11/19/2018 16:35
2-Butanone (MEK)	ND	0.020	1	11/19/2018 16:35
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 16:35
n-Butyl benzene	ND	0.0050	1	11/19/2018 16:35
sec-Butyl benzene	ND	0.0050	1	11/19/2018 16:35
tert-Butyl benzene	ND	0.0050	1	11/19/2018 16:35
Carbon Disulfide	ND	0.0050	1	11/19/2018 16:35
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 16:35
Chlorobenzene	ND	0.0050	1	11/19/2018 16:35
Chloroethane	ND	0.0050	1	11/19/2018 16:35
Chloroform	ND	0.0050	1	11/19/2018 16:35
Chloromethane	ND	0.0050	1	11/19/2018 16:35
2-Chlorotoluene	ND	0.0050	1	11/19/2018 16:35
4-Chlorotoluene	ND	0.0050	1	11/19/2018 16:35
Dibromochloromethane	ND	0.0050	1	11/19/2018 16:35
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 16:35
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 16:35
Dibromomethane	ND	0.0050	1	11/19/2018 16:35
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:35
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:35
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 16:35
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 16:35
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 16:35
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 16:35
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 16:35
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:35
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 16:35
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:35
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 16:35
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 16:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-4.5	1811547-023A	Soil	11/09/2018 12:10	GC38 11191815.D	168390

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 16:35
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:35
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 16:35
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 16:35
Ethylbenzene	ND	0.0050	1	11/19/2018 16:35
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 16:35
Freon 113	ND	0.0050	1	11/19/2018 16:35
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 16:35
Hexachloroethane	ND	0.0050	1	11/19/2018 16:35
2-Hexanone	ND	0.0050	1	11/19/2018 16:35
Isopropylbenzene	ND	0.0050	1	11/19/2018 16:35
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 16:35
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 16:35
Methylene chloride	ND	0.010	1	11/19/2018 16:35
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 16:35
Naphthalene	ND	0.0050	1	11/19/2018 16:35
n-Propyl benzene	ND	0.0050	1	11/19/2018 16:35
Styrene	ND	0.0050	1	11/19/2018 16:35
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:35
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 16:35
Tetrachloroethene	ND	0.0050	1	11/19/2018 16:35
Toluene	ND	0.0050	1	11/19/2018 16:35
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:35
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 16:35
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 16:35
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 16:35
Trichloroethene	ND	0.0050	1	11/19/2018 16:35
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 16:35
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 16:35
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:35
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 16:35
Vinyl Chloride	ND	0.0050	1	11/19/2018 16:35
m,p-Xylene	ND	0.0050	1	11/19/2018 16:35
o-Xylene	ND	0.0050	1	11/19/2018 16:35
Xylenes, Total	ND	0.0050	1	11/19/2018 16:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-4.5	**1811547-023A**	**Soil**	**11/09/2018 12:10**	**GC38 11191815.D**	**168390**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	93		82-136	11/19/2018 16:35
Toluene-d8	88	S	92-139	11/19/2018 16:35
4-BFB	96		82-135	11/19/2018 16:35
Benzene-d6	76		55-122	11/19/2018 16:35
Ethylbenzene-d10	78		58-141	11/19/2018 16:35
1,2-DCB-d4	66		51-107	11/19/2018 16:35

Analyst(s): TK Analytical Comments: c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-1.5	1811547-024A	Soil	11/09/2018 13:10	GC38 11191816.D	168390

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/19/2018 17:13
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/19/2018 17:13
Benzene	ND	0.0050	1	11/19/2018 17:13
Bromobenzene	ND	0.0050	1	11/19/2018 17:13
Bromochloromethane	ND	0.0050	1	11/19/2018 17:13
Bromodichloromethane	ND	0.0050	1	11/19/2018 17:13
Bromoform	ND	0.0050	1	11/19/2018 17:13
Bromomethane	ND	0.0050	1	11/19/2018 17:13
2-Butanone (MEK)	ND	0.020	1	11/19/2018 17:13
t-Butyl alcohol (TBA)	ND	0.050	1	11/19/2018 17:13
n-Butyl benzene	ND	0.0050	1	11/19/2018 17:13
sec-Butyl benzene	ND	0.0050	1	11/19/2018 17:13
tert-Butyl benzene	ND	0.0050	1	11/19/2018 17:13
Carbon Disulfide	ND	0.0050	1	11/19/2018 17:13
Carbon Tetrachloride	ND	0.0050	1	11/19/2018 17:13
Chlorobenzene	ND	0.0050	1	11/19/2018 17:13
Chloroethane	ND	0.0050	1	11/19/2018 17:13
Chloroform	ND	0.0050	1	11/19/2018 17:13
Chloromethane	ND	0.0050	1	11/19/2018 17:13
2-Chlorotoluene	ND	0.0050	1	11/19/2018 17:13
4-Chlorotoluene	ND	0.0050	1	11/19/2018 17:13
Dibromochloromethane	ND	0.0050	1	11/19/2018 17:13
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/19/2018 17:13
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/19/2018 17:13
Dibromomethane	ND	0.0050	1	11/19/2018 17:13
1,2-Dichlorobenzene	ND	0.0050	1	11/19/2018 17:13
1,3-Dichlorobenzene	ND	0.0050	1	11/19/2018 17:13
1,4-Dichlorobenzene	ND	0.0050	1	11/19/2018 17:13
Dichlorodifluoromethane	ND	0.0050	1	11/19/2018 17:13
1,1-Dichloroethane	ND	0.0050	1	11/19/2018 17:13
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/19/2018 17:13
1,1-Dichloroethene	ND	0.0050	1	11/19/2018 17:13
cis-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 17:13
trans-1,2-Dichloroethene	ND	0.0050	1	11/19/2018 17:13
1,2-Dichloropropane	ND	0.0050	1	11/19/2018 17:13
1,3-Dichloropropane	ND	0.0050	1	11/19/2018 17:13
2,2-Dichloropropane	ND	0.0050	1	11/19/2018 17:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-1.5	1811547-024A	Soil	11/09/2018 13:10	GC38 11191816.D	168390

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/19/2018 17:13
cis-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 17:13
trans-1,3-Dichloropropene	ND	0.0050	1	11/19/2018 17:13
Diisopropyl ether (DIPE)	ND	0.0050	1	11/19/2018 17:13
Ethylbenzene	ND	0.0050	1	11/19/2018 17:13
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/19/2018 17:13
Freon 113	ND	0.0050	1	11/19/2018 17:13
Hexachlorobutadiene	ND	0.0050	1	11/19/2018 17:13
Hexachloroethane	ND	0.0050	1	11/19/2018 17:13
2-Hexanone	ND	0.0050	1	11/19/2018 17:13
Isopropylbenzene	ND	0.0050	1	11/19/2018 17:13
4-Isopropyl toluene	ND	0.0050	1	11/19/2018 17:13
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/19/2018 17:13
Methylene chloride	ND	0.010	1	11/19/2018 17:13
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/19/2018 17:13
Naphthalene	ND	0.0050	1	11/19/2018 17:13
n-Propyl benzene	ND	0.0050	1	11/19/2018 17:13
Styrene	ND	0.0050	1	11/19/2018 17:13
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 17:13
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/19/2018 17:13
Tetrachloroethene	ND	0.0050	1	11/19/2018 17:13
Toluene	ND	0.0050	1	11/19/2018 17:13
1,2,3-Trichlorobenzene	ND	0.0050	1	11/19/2018 17:13
1,2,4-Trichlorobenzene	ND	0.0050	1	11/19/2018 17:13
1,1,1-Trichloroethane	ND	0.0050	1	11/19/2018 17:13
1,1,2-Trichloroethane	ND	0.0050	1	11/19/2018 17:13
Trichloroethene	ND	0.0050	1	11/19/2018 17:13
Trichlorofluoromethane	ND	0.0050	1	11/19/2018 17:13
1,2,3-Trichloropropane	ND	0.0050	1	11/19/2018 17:13
1,2,4-Trimethylbenzene	ND	0.0050	1	11/19/2018 17:13
1,3,5-Trimethylbenzene	ND	0.0050	1	11/19/2018 17:13
Vinyl Chloride	ND	0.0050	1	11/19/2018 17:13
m,p-Xylene	ND	0.0050	1	11/19/2018 17:13
o-Xylene	ND	0.0050	1	11/19/2018 17:13
Xylenes, Total	ND	0.0050	1	11/19/2018 17:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-1.5	**1811547-024A**	**Soil**	**11/09/2018 13:10**	**GC38 11191816.D**	**168390**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	90		82-136	11/19/2018 17:13
Toluene-d8	89	S	92-139	11/19/2018 17:13
4-BFB	99		82-135	11/19/2018 17:13
Benzene-d6	82		55-122	11/19/2018 17:13
Ethylbenzene-d10	87		58-141	11/19/2018 17:13
1,2-DCB-d4	72		51-107	11/19/2018 17:13

Analyst(s): TK Analytical Comments: c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-4.5	1811547-025A	Soil	11/09/2018 13:15	GC10 11191817.D	168390

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	4.0	40	11/19/2018 17:47
tert-Amyl methyl ether (TAME)	ND	0.20	40	11/19/2018 17:47
Benzene	ND	0.20	40	11/19/2018 17:47
Bromobenzene	ND	0.20	40	11/19/2018 17:47
Bromochloromethane	ND	0.20	40	11/19/2018 17:47
Bromodichloromethane	ND	0.20	40	11/19/2018 17:47
Bromoform	ND	0.20	40	11/19/2018 17:47
Bromomethane	ND	0.20	40	11/19/2018 17:47
2-Butanone (MEK)	ND	0.80	40	11/19/2018 17:47
t-Butyl alcohol (TBA)	ND	2.0	40	11/19/2018 17:47
n-Butyl benzene	**0.42**	0.20	40	11/19/2018 17:47
sec-Butyl benzene	**0.45**	0.20	40	11/19/2018 17:47
tert-Butyl benzene	ND	0.20	40	11/19/2018 17:47
Carbon Disulfide	ND	0.20	40	11/19/2018 17:47
Carbon Tetrachloride	ND	0.20	40	11/19/2018 17:47
Chlorobenzene	**6.1**	0.20	40	11/19/2018 17:47
Chloroethane	ND	0.20	40	11/19/2018 17:47
Chloroform	ND	0.20	40	11/19/2018 17:47
Chloromethane	ND	0.20	40	11/19/2018 17:47
2-Chlorotoluene	ND	0.20	40	11/19/2018 17:47
4-Chlorotoluene	ND	0.20	40	11/19/2018 17:47
Dibromochloromethane	ND	0.20	40	11/19/2018 17:47
1,2-Dibromo-3-chloropropane	ND	0.16	40	11/19/2018 17:47
1,2-Dibromoethane (EDB)	ND	0.16	40	11/19/2018 17:47
Dibromomethane	ND	0.20	40	11/19/2018 17:47
1,2-Dichlorobenzene	ND	0.20	40	11/19/2018 17:47
1,3-Dichlorobenzene	ND	0.20	40	11/19/2018 17:47
1,4-Dichlorobenzene	**1.3**	0.20	40	11/19/2018 17:47
Dichlorodifluoromethane	ND	0.20	40	11/19/2018 17:47
1,1-Dichloroethane	ND	0.20	40	11/19/2018 17:47
1,2-Dichloroethane (1,2-DCA)	ND	0.16	40	11/19/2018 17:47
1,1-Dichloroethene	ND	0.20	40	11/19/2018 17:47
cis-1,2-Dichloroethene	ND	0.20	40	11/19/2018 17:47
trans-1,2-Dichloroethene	ND	0.20	40	11/19/2018 17:47
1,2-Dichloropropane	ND	0.20	40	11/19/2018 17:47
1,3-Dichloropropane	ND	0.20	40	11/19/2018 17:47
2,2-Dichloropropane	ND	0.20	40	11/19/2018 17:47

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-4.5	1811547-025A	Soil	11/09/2018 13:15	GC10 11191817.D	168390

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.20	40	11/19/2018 17:47
cis-1,3-Dichloropropene	ND	0.20	40	11/19/2018 17:47
trans-1,3-Dichloropropene	ND	0.20	40	11/19/2018 17:47
Diisopropyl ether (DIPE)	ND	0.20	40	11/19/2018 17:47
Ethylbenzene	**1.6**	0.20	40	11/19/2018 17:47
Ethyl tert-butyl ether (ETBE)	ND	0.20	40	11/19/2018 17:47
Freon 113	ND	0.20	40	11/19/2018 17:47
Hexachlorobutadiene	ND	0.20	40	11/19/2018 17:47
Hexachloroethane	ND	0.20	40	11/19/2018 17:47
2-Hexanone	ND	0.20	40	11/19/2018 17:47
Isopropylbenzene	ND	0.20	40	11/19/2018 17:47
4-Isopropyl toluene	ND	0.20	40	11/19/2018 17:47
Methyl-t-butyl ether (MTBE)	ND	0.20	40	11/19/2018 17:47
Methylene chloride	ND	0.40	40	11/19/2018 17:47
4-Methyl-2-pentanone (MIBK)	ND	0.20	40	11/19/2018 17:47
Naphthalene	**0.47**	0.20	40	11/19/2018 17:47
n-Propyl benzene	ND	0.20	40	11/19/2018 17:47
Styrene	ND	0.20	40	11/19/2018 17:47
1,1,1,2-Tetrachloroethane	ND	0.20	40	11/19/2018 17:47
1,1,2,2-Tetrachloroethane	ND	0.20	40	11/19/2018 17:47
Tetrachloroethene	ND	0.20	40	11/19/2018 17:47
Toluene	ND	0.20	40	11/19/2018 17:47
1,2,3-Trichlorobenzene	ND	0.20	40	11/19/2018 17:47
1,2,4-Trichlorobenzene	ND	0.20	40	11/19/2018 17:47
1,1,1-Trichloroethane	ND	0.20	40	11/19/2018 17:47
1,1,2-Trichloroethane	ND	0.20	40	11/19/2018 17:47
Trichloroethene	ND	0.20	40	11/19/2018 17:47
Trichlorofluoromethane	ND	0.20	40	11/19/2018 17:47
1,2,3-Trichloropropane	ND	0.20	40	11/19/2018 17:47
1,2,4-Trimethylbenzene	**0.36**	0.20	40	11/19/2018 17:47
1,3,5-Trimethylbenzene	ND	0.20	40	11/19/2018 17:47
Vinyl Chloride	ND	0.20	40	11/19/2018 17:47
m,p-Xylene	ND	0.20	40	11/19/2018 17:47
o-Xylene	ND	0.20	40	11/19/2018 17:47
Xylenes, Total	ND	0.20	40	11/19/2018 17:47

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-4.5	1811547-025A	Soil	11/09/2018 13:15	GC10 11191817.D	168390

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	85		82-136	11/19/2018 17:47
Toluene-d8	92		92-139	11/19/2018 17:47
4-BFB	80	S	82-135	11/19/2018 17:47
Benzene-d6	0	S	55-122	11/19/2018 17:47
Ethylbenzene-d10	0	S	58-141	11/19/2018 17:47
1,2-DCB-d4	7	S	51-107	11/19/2018 17:47

Analyst(s): KF Analytical Comments: c7

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-1.5	**1811547-016A**	**Soil**	**11/09/2018 12:50**	**GC7 11191823.D**	**168362**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/19/2018 17:15
MTBE	---	0.050	1	11/19/2018 17:15
Benzene	---	0.0050	1	11/19/2018 17:15
Toluene	---	0.0050	1	11/19/2018 17:15
Ethylbenzene	---	0.0050	1	11/19/2018 17:15
m,p-Xylene	---	0.010	1	11/19/2018 17:15
o-Xylene	---	0.0050	1	11/19/2018 17:15
Xylenes	---	0.0050	1	11/19/2018 17:15

Surrogates	REC (%)	Limits	
2-Fluorotoluene	75	62-126	11/19/2018 17:15

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-4.5	**1811547-017A**	**Soil**	**11/09/2018 12:55**	**GC19 11201814.D**	**168362**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**5.6**	1.0	1	11/20/2018 15:54
MTBE	---	0.050	1	11/20/2018 15:54
Benzene	---	0.0050	1	11/20/2018 15:54
Toluene	---	0.0050	1	11/20/2018 15:54
Ethylbenzene	---	0.0050	1	11/20/2018 15:54
m,p-Xylene	---	0.010	1	11/20/2018 15:54
o-Xylene	---	0.0050	1	11/20/2018 15:54
Xylenes	---	0.0050	1	11/20/2018 15:54

Surrogates	REC (%)	Limits	
aaa-TFT	94	72-123	11/20/2018 15:54

Analyst(s): IA Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-1.5	**1811547-018A**	**Soil**	**11/09/2018 12:35**	**GC7 11191824.D**	**168389**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**5.9**	1.0	1	11/19/2018 17:45
MTBE	---	0.050	1	11/19/2018 17:45
Benzene	---	0.0050	1	11/19/2018 17:45
Toluene	---	0.0050	1	11/19/2018 17:45
Ethylbenzene	---	0.0050	1	11/19/2018 17:45
m,p-Xylene	---	0.010	1	11/19/2018 17:45
o-Xylene	---	0.0050	1	11/19/2018 17:45
Xylenes	---	0.0050	1	11/19/2018 17:45

Surrogates	REC (%)	Limits	
2-Fluorotoluene	93	62-126	11/19/2018 17:45

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-4.5	**1811547-019A**	**Soil**	**11/09/2018 12:40**	**GC7 11191825.D**	**168389**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/19/2018 18:15
MTBE	---	0.050	1	11/19/2018 18:15
Benzene	---	0.0050	1	11/19/2018 18:15
Toluene	---	0.0050	1	11/19/2018 18:15
Ethylbenzene	---	0.0050	1	11/19/2018 18:15
m,p-Xylene	---	0.010	1	11/19/2018 18:15
o-Xylene	---	0.0050	1	11/19/2018 18:15
Xylenes	---	0.0050	1	11/19/2018 18:15

Surrogates	REC (%)	Limits	
2-Fluorotoluene	65	62-126	11/19/2018 18:15

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-1.5	1811547-020A	Soil	11/09/2018 12:15	GC7 11191826.D	168389

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.3**	1.0	1	11/19/2018 18:45
MTBE	---	0.050	1	11/19/2018 18:45
Benzene	---	0.0050	1	11/19/2018 18:45
Toluene	---	0.0050	1	11/19/2018 18:45
Ethylbenzene	---	0.0050	1	11/19/2018 18:45
m,p-Xylene	---	0.010	1	11/19/2018 18:45
o-Xylene	---	0.0050	1	11/19/2018 18:45
Xylenes	---	0.0050	1	11/19/2018 18:45

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	11/19/2018 18:45

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-4.5	1811547-021A	Soil	11/09/2018 12:20	GC7 11191827.D	168389

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**4.2**	1.0	1	11/19/2018 19:15
MTBE	---	0.050	1	11/19/2018 19:15
Benzene	---	0.0050	1	11/19/2018 19:15
Toluene	---	0.0050	1	11/19/2018 19:15
Ethylbenzene	---	0.0050	1	11/19/2018 19:15
m,p-Xylene	---	0.010	1	11/19/2018 19:15
o-Xylene	---	0.0050	1	11/19/2018 19:15
Xylenes	---	0.0050	1	11/19/2018 19:15

Surrogates	REC (%)	Limits	
aaa-TFT	101	72-123	11/19/2018 19:15

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-1.5	1811547-022A	Soil	11/09/2018 12:05	GC3 11191840.D	168389

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/20/2018 02:59
MTBE	---	0.050	1	11/20/2018 02:59
Benzene	---	0.0050	1	11/20/2018 02:59
Toluene	---	0.0050	1	11/20/2018 02:59
Ethylbenzene	---	0.0050	1	11/20/2018 02:59
m,p-Xylene	---	0.010	1	11/20/2018 02:59
o-Xylene	---	0.0050	1	11/20/2018 02:59
Xylenes	---	0.0050	1	11/20/2018 02:59

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	62-126	11/20/2018 02:59

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-4.5	1811547-023A	Soil	11/09/2018 12:10	GC3 11191841.D	168389

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/20/2018 03:28
MTBE	---	0.050	1	11/20/2018 03:28
Benzene	---	0.0050	1	11/20/2018 03:28
Toluene	---	0.0050	1	11/20/2018 03:28
Ethylbenzene	---	0.0050	1	11/20/2018 03:28
m,p-Xylene	---	0.010	1	11/20/2018 03:28
o-Xylene	---	0.0050	1	11/20/2018 03:28
Xylenes	---	0.0050	1	11/20/2018 03:28

Surrogates	REC (%)	Limits	
2-Fluorotoluene	74	62-126	11/20/2018 03:28

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW5030B
Date Prepared:	11/13/18	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-1.5	**1811547-024A**	**Soil**	**11/09/2018 13:10**	**GC3 11191845.D**	**168389**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/20/2018 05:27
MTBE	---	0.050	1	11/20/2018 05:27
Benzene	---	0.0050	1	11/20/2018 05:27
Toluene	---	0.0050	1	11/20/2018 05:27
Ethylbenzene	---	0.0050	1	11/20/2018 05:27
m,p-Xylene	---	0.010	1	11/20/2018 05:27
o-Xylene	---	0.0050	1	11/20/2018 05:27
Xylenes	---	0.0050	1	11/20/2018 05:27

Surrogates	REC (%)	Limits	
2-Fluorotoluene	94	62-126	11/20/2018 05:27

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-4.5	**1811547-025A**	**Soil**	**11/09/2018 13:15**	**GC19 11181832.D**	**168389**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**150**	20	20	11/19/2018 00:55
MTBE	---	1.0	20	11/19/2018 00:55
Benzene	---	0.10	20	11/19/2018 00:55
Toluene	---	0.10	20	11/19/2018 00:55
Ethylbenzene	---	0.10	20	11/19/2018 00:55
m,p-Xylene	---	0.20	20	11/19/2018 00:55
o-Xylene	---	0.10	20	11/19/2018 00:55
Xylenes	---	0.10	20	11/19/2018 00:55

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	61	S	62-126	11/19/2018 00:55

Analyst(s): HD Analytical Comments: d7,c2

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW3550B
Date Prepared:	11/13/18	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-1.5	1811547-016A	Soil	11/09/2018 12:50	GC11A 11181810.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.8**	1.0	1	11/18/2018 12:07
TPH-Motor Oil (C18-C36)	**20**	5.0	1	11/18/2018 12:07

Surrogates	REC (%)	Limits	
C9	100	74-123	11/18/2018 12:07

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-57-4.5	1811547-017A	Soil	11/09/2018 12:55	GC11B 11151819.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**20**	2.0	2	11/15/2018 21:08
TPH-Motor Oil (C18-C36)	**81**	10	2	11/15/2018 21:08

Surrogates	REC (%)	Limits	
C9	102	74-123	11/15/2018 21:08

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-1.5	1811547-018A	Soil	11/09/2018 12:35	GC11B 11151835.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**200**	10	10	11/16/2018 02:20
TPH-Motor Oil (C18-C36)	**580**	50	10	11/16/2018 02:20

Surrogates	REC (%)	Limits	
C9	97	74-123	11/16/2018 02:20

Analyst(s): JIS Analytical Comments: e7,e1

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW3550B
Date Prepared:	11/13/18	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-59-4.5	1811547-019A	Soil	11/09/2018 12:40	GC11B 11151823.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**18**	1.0	1	11/15/2018 22:27
TPH-Motor Oil (C18-C36)	**77**	5.0	1	11/15/2018 22:27

Surrogates	REC (%)	Limits	
C9	105	74-123	11/15/2018 22:27

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-1.5	1811547-020A	Soil	11/09/2018 12:15	GC11A 11151828.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**6.0**	2.0	2	11/15/2018 23:45
TPH-Motor Oil (C18-C36)	**39**	10	2	11/15/2018 23:45

Surrogates	REC (%)	Limits	
C9	99	74-123	11/15/2018 23:45

Analyst(s): JIS Analytical Comments: e7,e2,e6

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-58-4.5	1811547-021A	Soil	11/09/2018 12:20	GC11A 11151834.D	168387

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**14**	2.0	2	11/16/2018 01:42
TPH-Motor Oil (C18-C36)	**57**	10	2	11/16/2018 01:42

Surrogates	REC (%)	Limits	
C9	99	74-123	11/16/2018 01:42

Analyst(s): JIS Analytical Comments: e7,e2

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW3550B
Date Prepared:	11/13/18	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-1.5	**1811547-022A**	**Soil**	**11/09/2018 12:05**	**GC9b 11151823.D**	**168387**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.0**	1.0	1	11/15/2018 22:53
TPH-Motor Oil (C18-C36)	**24**	5.0	1	11/15/2018 22:53

Surrogates	REC (%)	Limits	
C9	84	74-123	11/15/2018 22:53

Analyst(s): JIS Analytical Comments: e7,e2,e6

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-56-4.5	**1811547-023A**	**Soil**	**11/09/2018 12:10**	**GC9b 11151831.D**	**168387**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**29**	2.0	2	11/16/2018 01:28
TPH-Motor Oil (C18-C36)	**87**	10	2	11/16/2018 01:28

Surrogates	REC (%)	Limits	
C9	83	74-123	11/16/2018 01:28

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-1.5	**1811547-024A**	**Soil**	**11/09/2018 13:10**	**GC11B 11151829.D**	**168387**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**18**	1.0	1	11/16/2018 00:24
TPH-Motor Oil (C18-C36)	**86**	5.0	1	11/16/2018 00:24

Surrogates	REC (%)	Limits	
C9	105	74-123	11/16/2018 00:24

Analyst(s): JIS Analytical Comments: e7,e2

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Analytical Report

Client:	Langan	**WorkOrder:**	1811547
Date Received:	11/13/18 14:30	**Extraction Method:**	SW3550B
Date Prepared:	11/13/18	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-55-4.5	**1811547-025A**	**Soil**	**11/09/2018 13:15**	**GC11B 11151845.D**	**168387**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**310**	5.0	5	11/16/2018 05:33
TPH-Motor Oil (C18-C36)	**970**	25	5	11/16/2018 05:33

Surrogates	REC (%)	Limits	
C9	104	74-123	11/16/2018 05:33

Analyst(s): JIS Analytical Comments: e7,e2,e8/e11

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0050	-	-	-
Benzene	ND	0.0050	-	-	-
Bromobenzene	ND	0.0050	-	-	-
Bromochloromethane	ND	0.0050	-	-	-
Bromodichloromethane	ND	0.0050	-	-	-
Bromoform	ND	0.0050	-	-	-
Bromomethane	ND	0.0050	-	-	-
2-Butanone (MEK)	ND	0.020	-	-	-
t-Butyl alcohol (TBA)	ND	0.050	-	-	-
n-Butyl benzene	ND	0.0050	-	-	-
sec-Butyl benzene	ND	0.0050	-	-	-
tert-Butyl benzene	ND	0.0050	-	-	-
Carbon Disulfide	ND	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0050	-	-	-
Chlorobenzene	ND	0.0050	-	-	-
Chloroethane	ND	0.0050	-	-	-
Chloroform	ND	0.0050	-	-	-
Chloromethane	ND	0.0050	-	-	-
2-Chlorotoluene	ND	0.0050	-	-	-
4-Chlorotoluene	ND	0.0050	-	-	-
Dibromochloromethane	ND	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0040	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0040	-	-	-
Dibromomethane	ND	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0050	-	-	-
Freon 113	ND	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	-	-	-
Hexachloroethane	ND	0.0050	-	-	-
2-Hexanone	ND	0.0050	-	-	-
Isopropylbenzene	ND	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0050	-	-	-
Methylene chloride	ND	0.010	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0050	-	-	-
Naphthalene	ND	0.0050	-	-	-
n-Propyl benzene	ND	0.0050	-	-	-
Styrene	ND	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0050	-	-	-
Tetrachloroethene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0050	-	-	-
Trichloroethene	ND	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0050	-	-	-
Vinyl Chloride	ND	0.0050	-	-	-
m,p-Xylene	ND	0.0050	-	-	-
o-Xylene	ND	0.0050	-	-	-
Xylenes, Total	ND	0.0050	-	-	-

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery					
Dibromofluoromethane	0.11		0.12	85,F3	87-127
Toluene-d8	0.13		0.12	102	93-141
4-BFB	0.011		0.012	87	84-137
Benzene-d6	0.11		0.10	106	67-131
Ethylbenzene-d10	0.12		0.10	118	78-153
1,2-DCB-d4	0.091		0.10	91	63-109

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	1.1	1.2	1	111	116	48-156	4.10	20
tert-Amyl methyl ether (TAME)	0.043	0.044	0.050	87	88	56-115	1.43	20
Benzene	0.050	0.051	0.050	99	101	63-131	1.90	20
Bromobenzene	0.050	0.051	0.050	101	101	66-127	0	20
Bromochloromethane	0.048	0.050	0.050	97	99	64-124	2.41	20
Bromodichloromethane	0.045	0.047	0.050	91	93	64-120	2.78	20
Bromoform	0.039	0.039	0.050	77	79	48-92	1.70	20
Bromomethane	0.066	0.071	0.050	133	141	25-163	5.84	20
2-Butanone (MEK)	0.20	0.21	0.20	98	106	51-133	7.13	20
t-Butyl alcohol (TBA)	0.22	0.18	0.20	109	89	52-129	19.7	20
n-Butyl benzene	0.071	0.072	0.050	142	143	83-200	0.669	20
sec-Butyl benzene	0.071	0.072	0.050	142	144	81-199	1.68	20
tert-Butyl benzene	0.068	0.068	0.050	135	137	79-178	1.20	20
Carbon Disulfide	0.050	0.057	0.050	101	113	64-136	11.8	20
Carbon Tetrachloride	0.056	0.057	0.050	111	114	66-140	2.74	20
Chlorobenzene	0.050	0.051	0.050	101	102	73-116	1.46	20
Chloroethane	0.052	0.054	0.050	104	108	35-147	4.46	20
Chloroform	0.050	0.051	0.050	99	101	65-130	2.05	20
Chloromethane	0.044	0.047	0.050	87	94	30-137	7.06	20
2-Chlorotoluene	0.057	0.058	0.050	115	115	75-152	0	20
4-Chlorotoluene	0.056	0.056	0.050	111	112	71-148	1.19	20
Dibromochloromethane	0.047	0.048	0.050	94	96	61-106	1.87	20
1,2-Dibromo-3-chloropropane	0.018	0.017	0.020	91	87	36-120	4.32	20
1,2-Dibromoethane (EDB)	0.048	0.048	0.050	95	96	67-118	0.283	20
Dibromomethane	0.046	0.047	0.050	92	94	61-116	1.86	20
1,2-Dichlorobenzene	0.041	0.042	0.050	81	83	59-106	2.33	20
1,3-Dichlorobenzene	0.049	0.049	0.050	97	98	75-129	0.652	20
1,4-Dichlorobenzene	0.047	0.048	0.050	94	95	66-127	1.50	20
Dichlorodifluoromethane	0.025	0.027	0.050	49	54	13-74	8.04	20
1,1-Dichloroethane	0.051	0.052	0.050	101	104	65-134	2.42	20
1,2-Dichloroethane (1,2-DCA)	0.050	0.051	0.050	99	101	57-131	1.96	20
1,1-Dichloroethene	0.051	0.053	0.050	102	105	62-127	3.11	20
cis-1,2-Dichloroethene	0.050	0.051	0.050	100	103	66-130	2.51	20
trans-1,2-Dichloroethene	0.051	0.052	0.050	102	104	60-131	2.40	20
1,2-Dichloropropane	0.047	0.048	0.050	95	96	63-127	1.74	20
1,3-Dichloropropane	0.049	0.049	0.050	97	97	68-124	0	20
2,2-Dichloropropane	0.054	0.056	0.050	108	111	63-150	2.95	20
1,1-Dichloropropene	0.054	0.055	0.050	107	110	67-134	2.51	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.053	0.053	0.050	105	106	65-138	0.285	20
trans-1,3-Dichloropropene	0.051	0.051	0.050	101	102	66-124	0.348	20
Diisopropyl ether (DIPE)	0.046	0.046	0.050	91	93	58-129	1.99	20
Ethylbenzene	0.056	0.057	0.050	113	115	73-145	1.95	20
Ethyl tert-butyl ether (ETBE)	0.045	0.046	0.050	91	92	62-125	1.20	20
Freon 113	0.048	0.050	0.050	96	99	55-116	2.69	20
Hexachlorobutadiene	0.063	0.065	0.050	127	129	75-178	1.86	20
Hexachloroethane	0.069	0.069	0.050	138	139	75-152	0.419	20
2-Hexanone	0.032	0.032	0.050	64	65	41-113	0.768	20
Isopropylbenzene	0.057	0.058	0.050	114	116	67-172	1.48	20
4-Isopropyl toluene	0.067	0.068	0.050	134	136	88-171	1.24	20
Methyl-t-butyl ether (MTBE)	0.046	0.047	0.050	91	93	58-122	2.44	20
Methylene chloride	0.050	0.052	0.050	100	104	57-140	3.05	20
4-Methyl-2-pentanone (MIBK)	0.040	0.040	0.050	80	81	42-117	0.547	20
Naphthalene	0.025	0.024	0.050	49	47	29-65	4.81	20
n-Propyl benzene	0.069	0.070	0.050	139	139	85-174	0	20
Styrene	0.048	0.049	0.050	95	97	63-126	2.00	20
1,1,1,2-Tetrachloroethane	0.051	0.052	0.050	102	104	68-131	1.46	20
1,1,2,2-Tetrachloroethane	0.042	0.042	0.050	84	85	45-121	0.911	20
Tetrachloroethene	0.051	0.052	0.050	102	104	65-150	1.81	20
Toluene	0.054	0.055	0.050	108	109	72-135	1.03	20
1,2,3-Trichlorobenzene	0.030	0.030	0.050	59	61	35-80	2.20	20
1,2,4-Trichlorobenzene	0.036	0.037	0.050	72	75	45-103	3.71	20
1,1,1-Trichloroethane	0.053	0.053	0.050	105	107	67-137	1.65	20
1,1,2-Trichloroethane	0.051	0.051	0.050	102	101	67-117	0.580	20
Trichloroethene	0.052	0.053	0.050	104	106	62-135	1.96	20
Trichlorofluoromethane	0.050	0.052	0.050	100	104	56-124	3.92	20
1,2,3-Trichloropropane	0.045	0.046	0.050	91	91	58-133	0	20
1,2,4-Trimethylbenzene	0.059	0.060	0.050	118	120	78-161	1.77	20
1,3,5-Trimethylbenzene	0.063	0.063	0.050	125	127	85-170	1.22	20
Vinyl Chloride	0.047	0.050	0.050	95	99	32-142	4.73	20
m,p-Xylene	0.11	0.11	0.10	110	112	70-138	1.83	20
o-Xylene	0.051	0.052	0.050	103	105	69-135	1.80	20
Xylenes, Total	0.16	0.16	0.15	108	110	70-137	1.82	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168368
Date Analyzed:	11/14/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168368

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.10	0.12	85, F3	83, F3	87-127	2.87	20
Toluene-d8	0.13	0.13	0.12	103	101	93-141	2.06	20
4-BFB	0.011	0.011	0.012	87	85	84-137	2.81	20
Benzene-d6	0.11	0.11	0.10	110	112	67-131	2.11	20
Ethylbenzene-d10	0.12	0.12	0.10	121	123	78-153	1.55	20
1,2-DCB-d4	0.090	0.092	0.10	90	92	63-109	2.27	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0050	-	-	-
Benzene	ND	0.0050	-	-	-
Bromobenzene	ND	0.0050	-	-	-
Bromochloromethane	ND	0.0050	-	-	-
Bromodichloromethane	ND	0.0050	-	-	-
Bromoform	ND	0.0050	-	-	-
Bromomethane	ND	0.0050	-	-	-
2-Butanone (MEK)	ND	0.020	-	-	-
t-Butyl alcohol (TBA)	ND	0.050	-	-	-
n-Butyl benzene	ND	0.0050	-	-	-
sec-Butyl benzene	ND	0.0050	-	-	-
tert-Butyl benzene	ND	0.0050	-	-	-
Carbon Disulfide	ND	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0050	-	-	-
Chlorobenzene	ND	0.0050	-	-	-
Chloroethane	ND	0.0050	-	-	-
Chloroform	ND	0.0050	-	-	-
Chloromethane	ND	0.0050	-	-	-
2-Chlorotoluene	ND	0.0050	-	-	-
4-Chlorotoluene	ND	0.0050	-	-	-
Dibromochloromethane	ND	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0040	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0040	-	-	-
Dibromomethane	ND	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0050	-	-	-
Freon 113	ND	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	-	-	-
Hexachloroethane	ND	0.0050	-	-	-
2-Hexanone	ND	0.0050	-	-	-
Isopropylbenzene	ND	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0050	-	-	-
Methylene chloride	ND	0.010	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0050	-	-	-
Naphthalene	ND	0.0050	-	-	-
n-Propyl benzene	ND	0.0050	-	-	-
Styrene	ND	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0050	-	-	-
Tetrachloroethene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0050	-	-	-
Trichloroethene	ND	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0050	-	-	-
Vinyl Chloride	ND	0.0050	-	-	-
m,p-Xylene	ND	0.0050	-	-	-
o-Xylene	ND	0.0050	-	-	-
Xylenes, Total	ND	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery					
Dibromofluoromethane	0.10		0.12	83,F3	87-127
Toluene-d8	0.12		0.12	99	93-141
4-BFB	0.011		0.012	85	84-137
Benzene-d6	0.11		0.10	106	67-131
Ethylbenzene-d10	0.12		0.10	121	78-153
1,2-DCB-d4	0.091		0.10	91	63-109

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.87	0.89	1	87	89	48-156	2.12	20
tert-Amyl methyl ether (TAME)	0.040	0.041	0.050	81	82	56-115	1.60	20
Benzene	0.047	0.048	0.050	93	96	63-131	2.94	20
Bromobenzene	0.047	0.047	0.050	93	94	66-127	1.20	20
Bromochloromethane	0.044	0.046	0.050	88	91	64-124	3.16	20
Bromodichloromethane	0.044	0.044	0.050	87	89	64-120	1.64	20
Bromoform	0.036	0.036	0.050	71	72	48-92	2.02	20
Bromomethane	0.046	0.053	0.050	92	105	25-163	13.5	20
2-Butanone (MEK)	0.17	0.17	0.20	83	86	51-133	4.32	20
t-Butyl alcohol (TBA)	0.20	0.15	0.20	99	77	52-129	25.6,F2	20
n-Butyl benzene	0.064	0.066	0.050	128	133	83-200	3.51	20
sec-Butyl benzene	0.065	0.067	0.050	129	134	81-199	3.86	20
tert-Butyl benzene	0.061	0.064	0.050	123	128	79-178	3.99	20
Carbon Disulfide	0.045	0.048	0.050	91	95	64-136	4.82	20
Carbon Tetrachloride	0.051	0.053	0.050	102	106	66-140	3.96	20
Chlorobenzene	0.047	0.048	0.050	94	96	73-116	1.44	20
Chloroethane	0.045	0.050	0.050	91	99	35-147	8.68	20
Chloroform	0.047	0.048	0.050	93	96	65-130	2.75	20
Chloromethane	0.031	0.038	0.050	62	75	30-137	19.2	20
2-Chlorotoluene	0.053	0.054	0.050	106	108	75-152	1.79	20
4-Chlorotoluene	0.052	0.052	0.050	103	105	71-148	1.49	20
Dibromochloromethane	0.043	0.044	0.050	86	88	61-106	2.22	20
1,2-Dibromo-3-chloropropane	0.016	0.016	0.020	78	81	36-120	4.74	20
1,2-Dibromoethane (EDB)	0.043	0.044	0.050	86	88	67-118	1.75	20
Dibromomethane	0.042	0.043	0.050	84	86	61-116	2.52	20
1,2-Dichlorobenzene	0.038	0.038	0.050	77	77	59-106	0	20
1,3-Dichlorobenzene	0.046	0.046	0.050	91	93	75-129	1.70	20
1,4-Dichlorobenzene	0.044	0.045	0.050	88	89	66-127	1.56	20
Dichlorodifluoromethane	0.021	0.023	0.050	42	46	13-74	9.72	20
1,1-Dichloroethane	0.047	0.049	0.050	93	98	65-134	4.94	20
1,2-Dichloroethane (1,2-DCA)	0.046	0.047	0.050	92	94	57-131	1.78	20
1,1-Dichloroethene	0.046	0.049	0.050	93	98	62-127	4.87	20
cis-1,2-Dichloroethene	0.047	0.048	0.050	93	96	66-130	2.90	20
trans-1,2-Dichloroethene	0.047	0.049	0.050	93	98	60-131	5.09	20
1,2-Dichloropropane	0.044	0.045	0.050	88	90	63-127	2.86	20
1,3-Dichloropropane	0.044	0.044	0.050	87	89	68-124	1.62	20
2,2-Dichloropropane	0.050	0.052	0.050	100	103	63-150	2.95	20
1,1-Dichloropropene	0.049	0.050	0.050	97	101	67-134	3.41	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.048	0.048	0.050	95	97	65-138	1.75	20
trans-1,3-Dichloropropene	0.046	0.047	0.050	92	93	66-124	1.28	20
Diisopropyl ether (DIPE)	0.043	0.043	0.050	85	87	58-129	1.96	20
Ethylbenzene	0.052	0.054	0.050	103	107	73-145	3.79	20
Ethyl tert-butyl ether (ETBE)	0.042	0.043	0.050	85	86	62-125	1.80	20
Freon 113	0.044	0.045	0.050	87	90	55-116	3.87	20
Hexachlorobutadiene	0.060	0.060	0.050	120	121	75-178	0.740	20
Hexachloroethane	0.064	0.065	0.050	127	130	75-152	2.23	20
2-Hexanone	0.027	0.027	0.050	53	53	41-113	0	20
Isopropylbenzene	0.052	0.055	0.050	104	109	67-172	4.67	20
4-Isopropyl toluene	0.061	0.063	0.050	121	125	88-171	3.22	20
Methyl-t-butyl ether (MTBE)	0.042	0.043	0.050	84	86	58-122	2.03	20
Methylene chloride	0.052	0.053	0.050	104	105	57-140	1.59	20
4-Methyl-2-pentanone (MIBK)	0.035	0.036	0.050	71	71	42-117	0	20
Naphthalene	0.022	0.022	0.050	44	45	29-65	0.380	20
n-Propyl benzene	0.063	0.064	0.050	125	128	85-174	2.45	20
Styrene	0.044	0.045	0.050	88	90	63-126	3.24	20
1,1,1,2-Tetrachloroethane	0.047	0.048	0.050	95	96	68-131	1.79	20
1,1,2,2-Tetrachloroethane	0.037	0.038	0.050	73	77	45-121	4.98	20
Tetrachloroethene	0.047	0.048	0.050	94	97	65-150	2.75	20
Toluene	0.050	0.051	0.050	99	102	72-135	2.58	20
1,2,3-Trichlorobenzene	0.029	0.027	0.050	58	54	35-80	6.97	20
1,2,4-Trichlorobenzene	0.035	0.033	0.050	70	66	45-103	5.59	20
1,1,1-Trichloroethane	0.048	0.050	0.050	96	101	67-137	4.37	20
1,1,2-Trichloroethane	0.051	0.043	0.050	102	86	67-117	16.5	20
Trichloroethene	0.050	0.050	0.050	99	100	62-135	0.797	20
Trichlorofluoromethane	0.045	0.047	0.050	90	94	56-124	4.22	20
1,2,3-Trichloropropane	0.042	0.042	0.050	83	84	58-133	1.20	20
1,2,4-Trimethylbenzene	0.054	0.056	0.050	109	112	78-161	3.15	20
1,3,5-Trimethylbenzene	0.057	0.059	0.050	114	117	85-170	2.99	20
Vinyl Chloride	0.037	0.043	0.050	73	86	32-142	15.3	20
m,p-Xylene	0.10	0.10	0.10	101	104	70-138	3.10	20
o-Xylene	0.047	0.049	0.050	94	97	69-135	3.43	20
Xylenes, Total	0.15	0.15	0.15	98	102	70-137	3.20	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168390
Date Analyzed:	11/16/18 - 11/19/18	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168390

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.11	0.12	85, F3	85, F3	87-127	0	20
Toluene-d8	0.13	0.13	0.12	101	101	93-141	0	20
4-BFB	0.011	0.011	0.012	87	85	84-137	1.64	20
Benzene-d6	0.11	0.11	0.10	108	112	67-131	3.62	20
Ethylbenzene-d10	0.12	0.12	0.10	116	120	78-153	3.90	20
1,2-DCB-d4	0.090	0.091	0.10	90	91	63-109	1.34	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168362
Date Analyzed:	11/16/18	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168362

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	1.0	-	-	-
MTBE	ND	0.050	-	-	-
Benzene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
m,p-Xylene	ND	0.010	-	-	-
o-Xylene	ND	0.0050	-	-	-
Xylenes	ND	0.0050	-	-	-
Surrogate Recovery					
2-Fluorotoluene	0.082		0.10	82	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.64	0.67	0.60	106	112	82-118	5.35	20
MTBE	0.089	0.089	0.10	89	89	61-119	0	20
Benzene	0.10	0.10	0.10	102	100	77-128	1.94	20
Toluene	0.11	0.11	0.10	110	107	74-132	2.56	20
Ethylbenzene	0.10	0.10	0.10	104	102	84-127	1.88	20
m,p-Xylene	0.22	0.22	0.20	111	110	80-120	1.09	20
o-Xylene	0.11	0.10	0.10	105	103	80-120	1.95	20
Xylenes	0.33	0.32	0.30	109	108	86-129	1.36	20
Surrogate Recovery								
2-Fluorotoluene	0.078	0.078	0.10	78	78	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168389
Date Analyzed:	11/15/18	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168389

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	1.0	-	-	-
MTBE	ND	0.050	-	-	-
Benzene	ND	0.0050	-	-	-
Toluene	ND	0.0050	-	-	-
Ethylbenzene	ND	0.0050	-	-	-
m,p-Xylene	ND	0.010	-	-	-
o-Xylene	ND	0.0050	-	-	-
Xylenes	ND	0.0050	-	-	-
Surrogate Recovery					
2-Fluorotoluene	0.081		0.10	81	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.63	0.62	0.60	105	104	82-118	0.618	20
MTBE	0.093	0.090	0.10	93	90	61-119	2.66	20
Benzene	0.12	0.11	0.10	116	114	77-128	1.62	20
Toluene	0.11	0.11	0.10	106	110	74-132	3.47	20
Ethylbenzene	0.11	0.11	0.10	112	111	84-127	0.966	20
m,p-Xylene	0.24	0.24	0.20	120	119	80-120	0.732	20
o-Xylene	0.11	0.11	0.10	110	110	80-120	0	20
Xylenes	0.35	0.35	0.30	117	116	86-129	0.564	20
Surrogate Recovery								
2-Fluorotoluene	0.085	0.084	0.10	85	84	75-134	1.75	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1811547
Date Prepared:	11/13/18	**BatchID:**	168387
Date Analyzed:	11/15/18 - 11/18/18	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-168387 1811547-016AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	5.0	-	-	-
Surrogate Recovery					
C9	26		25	104	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	40	40	101	101	75-128	0	30
Surrogate Recovery								
C9	25	25	25	100	101	72-122	0.397	30

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	43	44	40	3.837	97	99	71-134	2.27	30
Surrogate Recovery										
C9	1	25	25	25		98	99	78-126	1.21	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1811547 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-9040 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;
Date Received: **11/13/2018**
Date Logged: **11/13/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1811547-016	B-57-1.5	Soil	11/9/2018 12:50	☐	A	A	A									
1811547-017	B-57-4.5	Soil	11/9/2018 12:55	☐	A	A	A									
1811547-018	B-59-1.5	Soil	11/9/2018 12:35	☐	A	A	A									
1811547-019	B-59-4.5	Soil	11/9/2018 12:40	☐	A	A	A									
1811547-020	B-58-1.5	Soil	11/9/2018 12:15	☐	A	A	A									
1811547-021	B-58-4.5	Soil	11/9/2018 12:20	☐	A	A	A									
1811547-022	B-56-1.5	Soil	11/9/2018 12:05	☐	A	A	A									
1811547-023	B-56-4.5	Soil	11/9/2018 12:10	☐	A	A	A									
1811547-024	B-55-1.5	Soil	11/9/2018 13:10	☐	A	A	A									
1811547-025	B-55-4.5	Soil	11/9/2018 13:15	☐	A	A	A									

Test Legend:

1	8260B_S	2	G-MBTEX_S	3	TPH(DMO)_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampIDs: 016A, 017A, 018A, 019A, 020A, 021A, 022A, 023A, 024A, 025A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1811547
QC Level: LEVEL 2
Date Logged: 11/13/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1811547-001A	Area A-1-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018 11:10			☑	
1811547-002A	Area A2-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-003A	Area A2-3.0	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-004A	Area E-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-005A	Area A-1-1.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-006A	Area A-1-2.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-007A	Area A-3-1.0	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-008A	Area A-2-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-009A	Area A1-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-010A	Area A-3-4.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-011A	Area A1-3.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-012A	Area A-2-1.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-013A	Area C-1.8	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-014A	Area A-2-1.0	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-015A	Area A-3-1.5	Soil		1	Stainless Steel tube 2"x6"	☐	11/9/2018			☑	
1811547-016A	B-57-1.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:50	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1811547
QC Level: LEVEL 2
Date Logged: 11/13/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1811547-016A	B-57-1.5	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	11/9/2018 12:50	5 days		☐	
1811547-017A	B-57-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:55	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-018A	B-59-1.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:35	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-019A	B-59-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:40	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-020A	B-58-1.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:15	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-021A	B-58-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:20	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-022A	B-56-1.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:05	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-023A	B-56-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 12:10	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1811547-024A	B-55-1.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 13:10	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1811547
QC Level: LEVEL 2
Date Logged: 11/13/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1811547-024A	B-55-1.5	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	11/9/2018 13:10	5 days		☐	
1811547-025A	B-55-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Acetate Liner	☐	11/9/2018 13:15	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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~~#1811~~ NP 1811547 13080

LANGAN

CHAIN OF CUSTODY RECORD

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

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested	Silica gel clean-up	Hold	Remarks
Area A-1-4.5	11/9/18	1110		X							X			X	1) Analytical requests will be submitted via email
Area A2-4.5		1010													
Area A2-3.0		1005													
Area E-4.5		1040													
Area A-1-1.5		0830													
Area A-1-2.5		0835													
Area A-3-1.0		0905													
Area A-2-4.5		1105													
Area A1-4.5		0950													
Area A-3-4.5		1100													
Area A1-3.5		0945													
Area A-2-1.5		0855													
Area C-1.5		0915													
Area A-2-1.0		0850													

	Date	Time		Date	Time
Relinquished by: (Signature) [signature]	11/13/18	1030	Received by: (Signature) C Moore	11/13/18	1030
Relinquished by: (Signature) C Moor	11/13/18	1430	Received by: (Signature) Nancy Palacios	11.13.18	1430
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 3.2 WLT

181547 13081

LANGAN

CHAIN OF CUSTODY RECORD

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

RUSH!

Site Name: 154 & Maple Street
Job Number: 731655405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: ~~Standard~~ 11/19

Changed to Rush Due 11/19/18

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g/d/mo 8015M	VOCs 8260	Silica gel clean-up	Hold	Remarks
AreaA-3-1.5	11/9/18	0910		X							X				X	
B-57-1.5		1250										X	X			
B-57-4.5		1255														
B-59-1.5		1235														
B-59-~~12~~4.5		1240														
B-58-1.5		1215														
B-58-4.5		1220														
B-56-1.5		1205														
B-56-~~12~~4.5		1210														
B-55-1.5		1310														
B-55-4.5		1315														

Relinquished by: (Signature) [signature]	Date: 11/13/18	Time 1630	Received by: (Signature) [signature]	Date 11/13/18	Time 10 30
Relinquished by: (Signature) [signature]	Date: 11/13/18	Time 1430	Received by: (Signature) Nancy Palacios	Date 11.13.18	Time 1430
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 32 WET

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**11/13/2018 14:30**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**11/13/2018**
		Received by:	Nancy Palacios
WorkOrder №:	**1811547** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906361

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/07/2019

Analytical Report reviewed & approved for release on 06/13/2019 by:

Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906361

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906361
Date Received:	6/7/19 17:00	**Extraction Method:**	SW3050B
Date Prepared:	6/7/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-1-5.5	**1906361-001A**	**Soil**	**06/06/2019 12:03**	**ICP-MS1 092SMPL.D**	**179213**

Analytes	Result	RL	DF	Date Analyzed
Lead	**29**	0.50	1	06/11/2019 04:49

Surrogates	REC (%)	Limits	
Terbium	96	70-130	06/11/2019 04:49

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-2-5.5	**1906361-002A**	**Soil**	**06/06/2019 11:55**	**ICP-MS1 093SMPL.D**	**179213**

Analytes	Result	RL	DF	Date Analyzed
Lead	**16**	0.50	1	06/11/2019 04:55

Surrogates	REC (%)	Limits	
Terbium	96	70-130	06/11/2019 04:55

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906361
Date Prepared:	6/7/19	**BatchID:**	179213
Date Analyzed:	6/10/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179213

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	52	52	50	104	103	75-125	0.696	20
Surrogate Recovery								
Terbium	530	530	500	106	106	70-130	0	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906361 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/07/2019**
Date Logged: **06/07/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906361-001	Sub Area A1-S-1-5.5	Soil	6/6/2019 12:03	☐	A											
1906361-002	Sub Area A1-S-2-5.5	Soil	6/6/2019 11:55	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments

Work Order: 1906361
QC Level: LEVEL 2
Date Logged: 6/7/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906361-001A	Sub Area A1-S-1-5.5	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/6/2019 12:03	5 days		☐	
1906361-002A	Sub Area A1-S-2-5.5	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/6/2019 11:55	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906361

13352

LANGAN

CHAIN OF CUSTODY RECORD

[X] ~~555 Montgomery~~ 135 Main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105

[ ] 501 14th Street, Third Floor, Oakland, CA 94612

[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982

[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street

Job Number: 731685405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead													Silica gel clean-up	Hold	Remarks
Sub Area A1-S-1-5.5	6/6/19	1203		X							X		X														
Sub Area A1-S-2-5.5	↓	1155		X							X		X														

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
Grace Stafford	6/7/19	1220	UAP	6/7/19	12--
Relinquished by: (Signature) UAP	Date: 6/7/19	Time 1700	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date 6/7/19	Time 1700

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**6/7/2019 17:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/7/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1906361** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906361 **Amended:** 06/18/2019

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/07/2019

Analytical Report reviewed & approved for release on 06/13/2019 by:

Yen Cao
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906361

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906361
Date Received:	6/7/19 17:00	**Extraction Method:**	SW3050B
Date Prepared:	6/7/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-1-5.0	**1906361-001A**	**Soil**	**06/06/2019 12:03**	**ICP-MS1 092SMPL.D**	**179213**

Analytes	Result	RL	DF	Date Analyzed
Lead	**29**	0.50	1	06/11/2019 04:49

Surrogates	REC (%)	Limits	
Terbium	96	70-130	06/11/2019 04:49

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-2-5.0	**1906361-002A**	**Soil**	**06/06/2019 11:55**	**ICP-MS1 093SMPL.D**	**179213**

Analytes	Result	RL	DF	Date Analyzed
Lead	**16**	0.50	1	06/11/2019 04:55

Surrogates	REC (%)	Limits	
Terbium	96	70-130	06/11/2019 04:55

Analyst(s): DB

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1906361
Date Prepared:	6/7/19	**BatchID:**	179213
Date Analyzed:	6/10/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179213

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	52	52	50	104	103	75-125	0.696	20
Surrogate Recovery								
Terbium	530	530	500	106	106	70-130	0	20

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906361 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/07/2019**
Date Logged: **06/07/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906361-001	Sub Area A1-S-1-5.0	Soil	6/6/2019 12:03	☐	A											
1906361-002	Sub Area A1-S-2-5.0	Soil	6/6/2019 11:55	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906361
QC Level: LEVEL 2
Date Logged: 6/7/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906361-001A	Sub Area A1-S-1-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/6/2019 12:03	5 days		☐	
1906361-002A	Sub Area A1-S-2-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/6/2019 11:55	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906361

13352

LANGAN

CHAIN OF CUSTODY RECORD

[X] ~~555 Montgomery~~ 135 Main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105

[ ] 501 14th Street, Third Floor, Oakland, CA 94612

[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982

[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street

Job Number: 731685405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead	Silica gel clean-up	Hold	Remarks
SubArea A1-S-1-5.0	6/6/19	1203		X							X		X			
SubArea A1-S-2-5.0 ↓ per email 6/18/19	6/6/19	1155		X							X		X			

Relinquished by: (Signature) Grace Stafford — Date: 6/7/19 — Time: 1220 — Received by: (Signature) UAP — Date: 6/7/19 — Time: 1220

Relinquished by: (Signature) UAP — Date: 6/7/19 — Time: 1700 — Received by: (Signature) Lilly Duty — Date: 6/7/19 — Time: 1700

Relinquished by: (Signature) — Date: — Time: — Received by Lab: (Signature) — Date — Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/7/2019 17:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/7/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1906361** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1906440

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/10/2019

Analytical Report reviewed & approved for release on 06/17/2019 by:

Yen Cao
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906440

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906440

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
a1	Sample diluted due to matrix interference.
c8	Sample pH is greater than 2.
d1	Weakly modified or unmodified gasoline is significant.
d6	One to a few isolated non-target peaks present in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW3510C
Date Prepared:	6/10/19	**Analytical Method:**	SW8082
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906440-001D**	**Water**	**06/07/2019 12:00**	**GC41 06101932.d**	**179294**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	06/11/2019 01:21
Aroclor1221	ND	0.50	1	06/11/2019 01:21
Aroclor1232	ND	0.50	1	06/11/2019 01:21
Aroclor1242	ND	0.50	1	06/11/2019 01:21
Aroclor1248	ND	0.50	1	06/11/2019 01:21
Aroclor1254	ND	0.50	1	06/11/2019 01:21
Aroclor1260	ND	0.50	1	06/11/2019 01:21
PCBs, total	ND	0.50	1	06/11/2019 01:21

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	115	61-139	06/11/2019 01:21

Analyst(s): LT

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002D**	**Water**	**06/07/2019 12:30**	**GC23 06111943.d**	**179294**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	06/12/2019 02:24
Aroclor1221	ND	0.50	1	06/12/2019 02:24
Aroclor1232	ND	0.50	1	06/12/2019 02:24
Aroclor1242	ND	0.50	1	06/12/2019 02:24
Aroclor1248	ND	0.50	1	06/12/2019 02:24
Aroclor1254	ND	0.50	1	06/12/2019 02:24
Aroclor1260	ND	0.50	1	06/12/2019 02:24
PCBs, total	ND	0.50	1	06/12/2019 02:24

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	122	61-139	06/12/2019 02:24

Analyst(s): LT

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002F**	**Water**	**06/07/2019 12:30**	**GC10 06121916.D**	**179364**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND		25	2.5	06/12/2019 17:53
tert-Amyl methyl ether (TAME)	ND		1.2	2.5	06/12/2019 17:53
Benzene	**8.6**		1.2	2.5	06/12/2019 17:53
Bromobenzene	ND		1.2	2.5	06/12/2019 17:53
Bromochloromethane	ND		1.2	2.5	06/12/2019 17:53
Bromodichloromethane	ND		1.2	2.5	06/12/2019 17:53
Bromoform	ND		1.2	2.5	06/12/2019 17:53
Bromomethane	ND		1.2	2.5	06/12/2019 17:53
2-Butanone (MEK)	ND		12	2.5	06/12/2019 17:53
t-Butyl alcohol (TBA)	**15**	B	12	2.5	06/12/2019 17:53
n-Butyl benzene	ND		1.2	2.5	06/12/2019 17:53
sec-Butyl benzene	ND		1.2	2.5	06/12/2019 17:53
tert-Butyl benzene	ND		1.2	2.5	06/12/2019 17:53
Carbon Disulfide	ND		1.2	2.5	06/12/2019 17:53
Carbon Tetrachloride	ND		1.2	2.5	06/12/2019 17:53
Chlorobenzene	**77**		1.2	2.5	06/12/2019 17:53
Chloroethane	ND		1.2	2.5	06/12/2019 17:53
Chloroform	ND		1.2	2.5	06/12/2019 17:53
Chloromethane	ND		1.2	2.5	06/12/2019 17:53
2-Chlorotoluene	ND		1.2	2.5	06/12/2019 17:53
4-Chlorotoluene	ND		1.2	2.5	06/12/2019 17:53
Dibromochloromethane	ND		1.2	2.5	06/12/2019 17:53
1,2-Dibromo-3-chloropropane	ND		0.50	2.5	06/12/2019 17:53
1,2-Dibromoethane (EDB)	ND		1.2	2.5	06/12/2019 17:53
Dibromomethane	ND		1.2	2.5	06/12/2019 17:53
1,2-Dichlorobenzene	ND		1.2	2.5	06/12/2019 17:53
1,3-Dichlorobenzene	ND		1.2	2.5	06/12/2019 17:53
1,4-Dichlorobenzene	ND		1.2	2.5	06/12/2019 17:53
Dichlorodifluoromethane	ND		1.2	2.5	06/12/2019 17:53
1,1-Dichloroethane	ND		1.2	2.5	06/12/2019 17:53
1,2-Dichloroethane (1,2-DCA)	ND		1.2	2.5	06/12/2019 17:53
1,1-Dichloroethene	ND		1.2	2.5	06/12/2019 17:53
cis-1,2-Dichloroethene	ND		1.2	2.5	06/12/2019 17:53
trans-1,2-Dichloroethene	ND		1.2	2.5	06/12/2019 17:53
1,2-Dichloropropane	ND		1.2	2.5	06/12/2019 17:53
1,3-Dichloropropane	ND		1.2	2.5	06/12/2019 17:53
2,2-Dichloropropane	ND		1.2	2.5	06/12/2019 17:53

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	1906440-002F	Water	06/07/2019 12:30	GC10 06121916.D	179364

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,1-Dichloropropene	ND		1.2	2.5	06/12/2019 17:53
cis-1,3-Dichloropropene	ND		1.2	2.5	06/12/2019 17:53
trans-1,3-Dichloropropene	ND		1.2	2.5	06/12/2019 17:53
Diisopropyl ether (DIPE)	ND		1.2	2.5	06/12/2019 17:53
Ethylbenzene	ND		1.2	2.5	06/12/2019 17:53
Ethyl tert-butyl ether (ETBE)	ND		1.2	2.5	06/12/2019 17:53
Freon 113	ND		1.2	2.5	06/12/2019 17:53
Hexachlorobutadiene	ND		1.2	2.5	06/12/2019 17:53
Hexachloroethane	ND		1.2	2.5	06/12/2019 17:53
2-Hexanone	ND		2.5	2.5	06/12/2019 17:53
Isopropylbenzene	ND		1.2	2.5	06/12/2019 17:53
4-Isopropyl toluene	ND		1.2	2.5	06/12/2019 17:53
Methyl-t-butyl ether (MTBE)	ND		1.2	2.5	06/12/2019 17:53
Methylene chloride	ND		5.0	2.5	06/12/2019 17:53
4-Methyl-2-pentanone (MIBK)	ND		1.2	2.5	06/12/2019 17:53
Naphthalene	ND		2.5	2.5	06/12/2019 17:53
n-Propyl benzene	ND		1.2	2.5	06/12/2019 17:53
Styrene	ND		5.0	2.5	06/12/2019 17:53
1,1,1,2-Tetrachloroethane	ND		1.2	2.5	06/12/2019 17:53
1,1,2,2-Tetrachloroethane	ND		1.2	2.5	06/12/2019 17:53
Tetrachloroethene	ND		1.2	2.5	06/12/2019 17:53
Toluene	ND		1.2	2.5	06/12/2019 17:53
1,2,3-Trichlorobenzene	ND		1.2	2.5	06/12/2019 17:53
1,2,4-Trichlorobenzene	ND		1.2	2.5	06/12/2019 17:53
1,1,1-Trichloroethane	ND		1.2	2.5	06/12/2019 17:53
1,1,2-Trichloroethane	ND		1.2	2.5	06/12/2019 17:53
Trichloroethene	ND		1.2	2.5	06/12/2019 17:53
Trichlorofluoromethane	ND		1.2	2.5	06/12/2019 17:53
1,2,3-Trichloropropane	ND		1.2	2.5	06/12/2019 17:53
1,2,4-Trimethylbenzene	ND		1.2	2.5	06/12/2019 17:53
1,3,5-Trimethylbenzene	ND		1.2	2.5	06/12/2019 17:53
Vinyl Chloride	ND		1.2	2.5	06/12/2019 17:53
m,p-Xylene	ND		1.2	2.5	06/12/2019 17:53
o-Xylene	ND		1.2	2.5	06/12/2019 17:53
Xylenes, Total	ND		1.2	2.5	06/12/2019 17:53

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002F**	**Water**	**06/07/2019 12:30**	**GC10 06121916.D**	**179364**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	**REC (%)**		**Limits**		
Dibromofluoromethane	97		81-144		06/12/2019 17:53
Toluene-d8	96		85-135		06/12/2019 17:53
4-BFB	103		63-145		06/12/2019 17:53

Analyst(s): KF Analytical Comments: c8

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	E625
Date Prepared:	6/11/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002G**	**Water**	**06/07/2019 12:30**	**GC21 06111936.D**	**179381**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.095	10	06/12/2019 01:50
Acenaphthylene	ND	0.095	10	06/12/2019 01:50
Acetochlor	ND	19	10	06/12/2019 01:50
Anthracene	ND	0.095	10	06/12/2019 01:50
Benzidine	ND	48	10	06/12/2019 01:50
Benzo (a) anthracene	ND	0.19	10	06/12/2019 01:50
Benzo (a) pyrene	ND	0.095	10	06/12/2019 01:50
Benzo (b) fluoranthene	ND	0.048	10	06/12/2019 01:50
Benzo (g,h,i) perylene	ND	0.19	10	06/12/2019 01:50
Benzo (k) fluoranthene	ND	0.095	10	06/12/2019 01:50
Benzyl Alcohol	ND	48	10	06/12/2019 01:50
1,1-Biphenyl	ND	0.48	10	06/12/2019 01:50
Bis (2-chloroethoxy) Methane	ND	9.5	10	06/12/2019 01:50
Bis (2-chloroethyl) Ether	ND	0.048	10	06/12/2019 01:50
Bis (2-chloroisopropyl) Ether	ND	0.095	10	06/12/2019 01:50
Bis (2-ethylhexyl) Adipate	ND	29	10	06/12/2019 01:50
Bis (2-ethylhexyl) Phthalate	**1.2**	0.38	10	06/12/2019 01:50
4-Bromophenyl Phenyl Ether	ND	9.5	10	06/12/2019 01:50
Butylbenzyl Phthalate	ND	1.9	10	06/12/2019 01:50
4-Chloroaniline	ND	0.19	10	06/12/2019 01:50
4-Chloro-3-methylphenol	ND	9.5	10	06/12/2019 01:50
2-Chloronaphthalene	ND	9.5	10	06/12/2019 01:50
2-Chlorophenol	ND	0.19	10	06/12/2019 01:50
4-Chlorophenyl Phenyl Ether	ND	9.5	10	06/12/2019 01:50
Chrysene	ND	0.095	10	06/12/2019 01:50
Dibenzo (a,h) anthracene	ND	0.095	10	06/12/2019 01:50
Dibenzofuran	ND	9.5	10	06/12/2019 01:50
Di-n-butyl Phthalate	**0.19**	0.19	10	06/12/2019 01:50
1,2-Dichlorobenzene	ND	19	10	06/12/2019 01:50
1,3-Dichlorobenzene	ND	19	10	06/12/2019 01:50
1,4-Dichlorobenzene	ND	19	10	06/12/2019 01:50
3,3-Dichlorobenzidine	ND	0.19	10	06/12/2019 01:50
2,4-Dichlorophenol	ND	0.095	10	06/12/2019 01:50
Diethyl Phthalate	ND	0.19	10	06/12/2019 01:50
2,4-Dimethylphenol	ND	9.5	10	06/12/2019 01:50
Dimethyl Phthalate	ND	0.19	10	06/12/2019 01:50
4,6-Dinitro-2-methylphenol	ND	48	10	06/12/2019 01:50

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	E625
Date Prepared:	6/11/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002G**	**Water**	**06/07/2019 12:30**	**GC21 06111936.D**	**179381**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	4.8	10	06/12/2019 01:50
2,4-Dinitrotoluene	ND	0.24	10	06/12/2019 01:50
2,6-Dichlorophenol	ND	9.5	10	06/12/2019 01:50
2,6-Dinitrotoluene	ND	0.095	10	06/12/2019 01:50
Di-n-octyl Phthalate	ND	1.2	10	06/12/2019 01:50
1,2-Diphenylhydrazine	ND	9.5	10	06/12/2019 01:50
Fluoranthene	**0.16**	0.095	10	06/12/2019 01:50
Fluorene	ND	0.095	10	06/12/2019 01:50
Hexachlorobenzene	ND	0.048	10	06/12/2019 01:50
Hexachlorobutadiene	ND	0.095	10	06/12/2019 01:50
Hexachlorocyclopentadiene	ND	48	10	06/12/2019 01:50
Hexachloroethane	ND	0.095	10	06/12/2019 01:50
Indeno (1,2,3-cd) pyrene	ND	0.19	10	06/12/2019 01:50
Isophorone	ND	9.5	10	06/12/2019 01:50
2-Methylnaphthalene	ND	0.095	10	06/12/2019 01:50
2-Methylphenol (o-Cresol)	ND	9.5	10	06/12/2019 01:50
3 & 4-Methylphenol (m,p-Cresol)	ND	9.5	10	06/12/2019 01:50
Naphthalene	ND	0.095	10	06/12/2019 01:50
2-Nitroaniline	ND	48	10	06/12/2019 01:50
3-Nitroaniline	ND	48	10	06/12/2019 01:50
4-Nitroaniline	ND	48	10	06/12/2019 01:50
Nitrobenzene	ND	9.5	10	06/12/2019 01:50
2-Nitrophenol	ND	48	10	06/12/2019 01:50
4-Nitrophenol	ND	48	10	06/12/2019 01:50
N-Nitrosodiphenylamine	ND	9.5	10	06/12/2019 01:50
N-Nitrosodi-n-propylamine	ND	9.5	10	06/12/2019 01:50
Pentachlorophenol	ND	2.4	10	06/12/2019 01:50
Phenanthrene	ND	0.19	10	06/12/2019 01:50
Phenol	**0.31**	0.19	10	06/12/2019 01:50
Pyrene	ND	0.19	10	06/12/2019 01:50
Pyridine	ND	9.5	10	06/12/2019 01:50
1,2,4-Trichlorobenzene	ND	9.5	10	06/12/2019 01:50
2,4,5-Trichlorophenol	ND	0.48	10	06/12/2019 01:50
2,4,6-Trichlorophenol	ND	0.48	10	06/12/2019 01:50
1-Methylnaphthalene	ND	0.095	10	06/12/2019 01:50

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	E625
Date Prepared:	6/11/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002G**	**Water**	**06/07/2019 12:30**	**GC21 06111936.D**	**179381**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	50	1-92		06/12/2019 01:50
Phenol-d5	41	5-104		06/12/2019 01:50
Nitrobenzene-d5	92	4-143		06/12/2019 01:50
2-Fluorobiphenyl	77	9-134		06/12/2019 01:50
2,4,6-Tribromophenol	96	1-159		06/12/2019 01:50
4-Terphenyl-d14	115	5-150		06/12/2019 01:50

Analyst(s): REB

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	E200.8
Date Prepared:	6/10/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002I**	**Water**	**06/07/2019 12:30**	**ICP-MS3 126SMPL.D**	**179268**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	5.0	10	06/12/2019 08:13
Arsenic	**10**	5.0	10	06/12/2019 08:13
Barium	**150**	50	10	06/12/2019 08:13
Beryllium	ND	5.0	10	06/12/2019 08:13
Cadmium	ND	5.0	10	06/12/2019 08:13
Chromium	ND	5.0	10	06/12/2019 08:13
Cobalt	ND	5.0	10	06/12/2019 08:13
Copper	**6.2**	5.0	10	06/12/2019 08:13
Lead	ND	5.0	10	06/12/2019 08:13
Mercury	ND	0.50	10	06/12/2019 08:13
Molybdenum	**34**	5.0	10	06/12/2019 08:13
Nickel	**16**	10	10	06/12/2019 08:13
Selenium	ND	5.0	10	06/12/2019 08:13
Silver	ND	5.0	10	06/12/2019 08:13
Thallium	ND	5.0	10	06/12/2019 08:13
Vanadium	**22**	5.0	10	06/12/2019 08:13
Zinc	ND	200	10	06/12/2019 08:13

Surrogates	REC (%)	Limits	
Terbium	100	70-130	06/12/2019 08:13

Analyst(s): ND

Analytical Comments: a1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW1010
Date Prepared:	6/11/19	**Analytical Method:**	SW1010
Project:	731685405; 1548 Maple Street	**Unit:**	°C

Flash Point by SW1010

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906440-001A**	**Water**	**06/07/2019 12:00**	**WetChem**	**179367**

Analytes	Result	Accuracy	DF	Date Analyzed
Flash Point	**>100**	±2	1	06/11/2019 15:01

Analyst(s): PHU

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002A**	**Water**	**06/07/2019 12:30**	**WetChem**	**179367**

Analytes	Result	Accuracy	DF	Date Analyzed
Flash Point	**>100**	±2	1	06/11/2019 15:06

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW5030B
Date Prepared:	6/14/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002E**	**Water**	**06/07/2019 12:30**	**GC3 06131932.D**	**179528**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**190**	50	1	06/14/2019 05:02
MTBE	---	5.0	1	06/14/2019 05:02
Benzene	---	0.50	1	06/14/2019 05:02
Toluene	---	0.50	1	06/14/2019 05:02
Ethylbenzene	---	0.50	1	06/14/2019 05:02
m,p-Xylene	---	1.0	1	06/14/2019 05:02
o-Xylene	---	0.50	1	06/14/2019 05:02
Xylenes	---	0.50	1	06/14/2019 05:02

Surrogates	REC (%)	Limits	
aaa-TFT	91	76-115	06/14/2019 05:02

Analyst(s): IA

Analytical Comments: d1,d6

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW3050B
Date Prepared:	6/10/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-3-2.0	1906440-003A	Soil	06/07/2019 13:43	ICP-MS3 042SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**28**	0.50	1	06/13/2019 00:50

Surrogates	REC (%)	Limits	
Terbium	100	70-130	06/13/2019 00:50

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-3-5.0	1906440-004A	Soil	06/07/2019 13:47	ICP-MS3 043SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**33**	0.50	1	06/13/2019 00:56

Surrogates	REC (%)	Limits	
Terbium	101	70-130	06/13/2019 00:56

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-S-1-4.0	1906440-005A	Soil	06/07/2019 13:56	ICP-MS3 044SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**34**	0.50	1	06/13/2019 01:03

Surrogates	REC (%)	Limits	
Terbium	97	70-130	06/13/2019 01:03

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-S-1-5.0	1906440-006A	Soil	06/07/2019 14:00	ICP-MS3 045SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**26**	0.50	1	06/13/2019 01:10

Surrogates	REC (%)	Limits	
Terbium	100	70-130	06/13/2019 01:10

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW3050B
Date Prepared:	6/10/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-S-2-4.0	1906440-007A	Soil	06/07/2019 14:10	ICP-MS3 046SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**40**	0.50	1	06/13/2019 01:16

Surrogates	REC (%)	Limits	
Terbium	99	70-130	06/13/2019 01:16

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-S-2.5.0	1906440-008A	Soil	06/07/2019 14:15	ICP-MS3 047SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**21**	0.50	1	06/13/2019 01:22

Surrogates	REC (%)	Limits	
Terbium	98	70-130	06/13/2019 01:22

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-B-1-5.0	1906440-009A	Soil	06/07/2019 14:27	ICP-MS3 048SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**110**	0.50	1	06/13/2019 01:28

Surrogates	REC (%)	Limits	
Terbium	74	70-130	06/13/2019 01:28

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-B-1-5.0	1906440-010A	Soil	06/07/2019 14:25	ICP-MS3 049SMPL.D	179323

Analytes	Result	RL	DF	Date Analyzed
Lead	**85**	0.50	1	06/13/2019 01:34

Surrogates	REC (%)	Limits	
Terbium	77	70-130	06/13/2019 01:34

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	E420.4
Date Prepared:	6/12/19	**Analytical Method:**	E420.4
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906440-001C**	**Water**	**06/07/2019 12:00**	**WC_SKALAR 061219C1_40**	**179532**

Analytes	Result	RL	DF	Date Analyzed
Phenolics	**2.0**	2.0	1	06/12/2019 15:46

Analyst(s): NM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002C**	**Water**	**06/07/2019 12:30**	**WC_SKALAR 061219C1_43**	**179532**

Analytes	Result	RL	DF	Date Analyzed
Phenolics	ND	40	20	06/12/2019 15:54

Analyst(s): NM Analytical Comments: a1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SM2510 B
Date Prepared:	6/10/19	**Analytical Method:**	SM2510B
Project:	731685405; 1548 Maple Street	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002H**	**Water**	**06/07/2019 12:30**	**WetChem**	**179332**

Analytes	Result	RL	DF	Date Analyzed
Specific Conductivity	**11,200**	10.0	1	06/10/2019 21:18

Analyst(s): HD

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW3510C
Date Prepared:	6/10/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	**1906440-002E**	**Water**	**06/07/2019 12:30**	**GC6A 06131920.D**	**179320**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**120**	50	1	06/13/2019 15:19
TPH-Motor Oil (C18-C36)	ND	250	1	06/13/2019 15:19

Surrogates	REC (%)	Limits	
C9	98	61-139	06/13/2019 15:19

Analyst(s): JIS Analytical Comments: e2,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SM2540 D-1997
Date Prepared:	6/11/19	**Analytical Method:**	SM2540 D-1997
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906440-001B	Water	06/07/2019 12:00	WetChem	179365

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**27.0**	2.00	2	06/11/2019 13:50

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+A2	1906440-002B	Water	06/07/2019 12:30	WetChem	179365

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**50.4**	2.00	2	06/11/2019 13:55

Analyst(s): AL

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179294
Date Analyzed:	6/11/19	**Extraction Method:**	SW3510C
Instrument:	GC41	**Analytical Method:**	SW8082
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179294

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.12	0.50	-	-	-
Aroclor1221	ND	0.18	0.50	-	-	-
Aroclor1232	ND	0.13	0.50	-	-	-
Aroclor1242	ND	0.080	0.50	-	-	-
Aroclor1248	ND	0.28	0.50	-	-	-
Aroclor1254	ND	0.16	0.50	-	-	-
Aroclor1260	ND	0.11	0.50	-	-	-
PCBs, total	ND	N/A	0.50	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	1.5			1.25	118	61-139

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	4.5	4.6	3.75	120	123	81-145	2.90	20
Aroclor1260	4.8	4.9	3.75	128	130	76-149	1.91	20
Surrogate Recovery								
Decachlorobiphenyl	1.4	1.4	1.25	113	114	61-139	1.06	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	2.5,J	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	26			25	102	82-142
Toluene-d8	25			25	98	85-137
4-BFB	2.1			2.5	83	66-144

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	40	40	40	100	99	46-128	1.10	20
tert-Amyl methyl ether (TAME)	3.8	3.9	4	95	97	65-118	2.35	20
Benzene	4.0	4.1	4	100	103	71-120	3.61	20
Bromobenzene	3.6	3.8	4	91	94	67-121	3.95	20
Bromochloromethane	4.2	4.3	4	105	107	71-127	1.38	20
Bromodichloromethane	3.9	4.0	4	96	100	67-120	3.48	20
Bromoform	4.0	4.0	4	100	100	59-121	0	20
Bromomethane	1.7	1.7	4	42, F2	43, F2	44-175	2.07	20
2-Butanone (MEK)	18	18	16	110	111	50-121	0.854	20
t-Butyl alcohol (TBA)	17	17	16	109	108	47-123	1.20	20
n-Butyl benzene	3.8	3.8	4	94	96	71-128	1.91	20
sec-Butyl benzene	3.7	3.8	4	92	95	75-123	2.79	20
tert-Butyl benzene	3.4	3.6	4	86	90	70-121	5.16	20
Carbon Disulfide	4.0	4.2	4	101	104	75-121	3.26	20
Carbon Tetrachloride	3.9	4.1	4	97	102	73-117	4.26	20
Chlorobenzene	3.8	3.9	4	94	97	73-119	2.98	20
Chloroethane	5.2	4.4	4	129	109	60-144	16.6	20
Chloroform	3.9	4.1	4	97	102	72-120	4.53	20
Chloromethane	4.1	4.1	4	102	101	28-145	0.956	20
2-Chlorotoluene	3.6	3.8	4	91	95	76-121	5.16	20
4-Chlorotoluene	3.4	3.6	4	86	89	72-119	3.77	20
Dibromochloromethane	4.3	4.5	4	108	111	66-122	3.43	20
1,2-Dibromo-3-chloropropane	2.2	2.3	2	111	117	50-123	5.29	20
1,2-Dibromoethane (EDB)	1.9	1.9	2	94	97	68-117	3.34	20
Dibromomethane	3.9	4.0	4	98	101	67-121	2.78	20
1,2-Dichlorobenzene	3.8	3.9	4	95	98	70-121	3.22	20
1,3-Dichlorobenzene	3.9	3.9	4	96	98	69-125	1.53	20
1,4-Dichlorobenzene	3.8	3.9	4	95	97	67-123	1.99	20
Dichlorodifluoromethane	3.0	2.8	4	74	70	19-147	4.61	20
1,1-Dichloroethane	4.1	4.2	4	102	106	72-121	3.58	20
1,2-Dichloroethane (1,2-DCA)	3.8	4.0	4	96	100	64-120	4.11	20
1,1-Dichloroethene	4.2	4.4	4	106	111	76-123	4.57	20
cis-1,2-Dichloroethene	4.1	4.3	4	103	106	71-124	3.58	20
trans-1,2-Dichloroethene	4.1	4.3	4	103	107	74-124	4.60	20
1,2-Dichloropropane	4.1	4.2	4	102	106	70-120	3.73	20
1,3-Dichloropropane	3.8	4.0	4	95	99	66-119	3.53	20
2,2-Dichloropropane	3.8	3.9	4	94	96	67-126	2.38	20
1,1-Dichloropropene	3.8	4.0	4	95	99	73-120	4.09	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.8	4.0	4	95	99	69-121	4.12	20
trans-1,3-Dichloropropene	3.8	3.9	4	95	98	70-121	3.28	20
Diisopropyl ether (DIPE)	4.3	4.4	4	108	110	68-123	1.88	20
Ethylbenzene	3.6	3.7	4	90	93	75-116	3.10	20
Ethyl tert-butyl ether (ETBE)	4.2	4.3	4	104	107	67-120	2.19	20
Freon 113	3.9	4.0	4	97	100	75-117	3.71	20
Hexachlorobutadiene	4.8	5.1	4	121	128, F2	66-127	5.47	20
Hexachloroethane	4.2	4.5	4	105	113	69-127	7.15	20
2-Hexanone	4.4	4.3	4	109	107	50-116	1.55	20
Isopropylbenzene	3.5	3.7	4	89	93	70-127	5.17	20
4-Isopropyl toluene	3.7	3.9	4	94	96	71-124	2.90	20
Methyl-t-butyl ether (MTBE)	3.9	4.0	4	97	100	64-121	2.66	20
Methylene chloride	2.8	2.9	4	70	74	66-115	4.57	20
4-Methyl-2-pentanone (MIBK)	3.8	3.9	4	95	97	50-119	2.36	20
Naphthalene	4.1	4.0	4	101	101	63-121	0	20
n-Propyl benzene	3.7	3.8	4	93	94	74-122	1.79	20
Styrene	3.4	3.4	4	84	86	69-118	1.84	20
1,1,1,2-Tetrachloroethane	3.9	4.0	4	97	100	71-120	3.42	20
1,1,2,2-Tetrachloroethane	3.9	4.1	4	98	102	58-123	3.94	20
Tetrachloroethene	4.4	4.5	4	110	114	72-118	3.67	20
Toluene	3.7	3.8	4	91	95	73-111	4.26	20
1,2,3-Trichlorobenzene	4.6	4.6	4	114	114	63-125	0	20
1,2,4-Trichlorobenzene	4.6	4.7	4	114	117	66-128	2.56	20
1,1,1-Trichloroethane	3.6	3.7	4	90	93	72-118	3.76	20
1,1,2-Trichloroethane	4.0	4.1	4	99	102	66-118	3.41	20
Trichloroethene	3.9	4.1	4	98	101	71-121	3.42	20
Trichlorofluoromethane	3.7	3.8	4	92	95	59-125	3.41	20
1,2,3-Trichloropropane	1.9	2.0	2	95	98	62-120	3.56	20
1,2,4-Trimethylbenzene	3.6	3.7	4	89	92	73-120	2.67	20
1,3,5-Trimethylbenzene	3.6	3.7	4	91	93	67-123	2.51	20
Vinyl Chloride	2.0	2.0	2	102	101	60-138	0.368	20
m,p-Xylene	7.3	7.4	8	91	93	74-118	2.11	20
o-Xylene	3.7	3.8	4	94	96	73-119	1.96	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179364
Date Analyzed:	6/11/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179364

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	24	25	95	96	82-142	1.57	20
Toluene-d8	25	25	25	99	100	85-137	1.18	20
4-BFB	2.0	2.0	2.5	80	82	66-144	2.08	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.012	0.050	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
1-Methylnaphthalene	ND	0.0052	0.010	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dichlorophenol	ND	0.48	1.0	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	ND	0.0086	0.020	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Acetochlor	ND	0.49	2.0	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzoic Acid	ND	2.7	5.0	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Diethyl Phthalate	ND	0.015	0.020	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-
Di-n-butyl Phthalate	ND	0.0068	0.020	-	-	-
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	0.0064,J	0.0055	0.020	-	-	-
Phenol	ND	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	5.0			5	101	36-131
Phenol-d5	4.9			5	98	43-149
Nitrobenzene-d5	5.4			5	107	39-150
2-Fluorobiphenyl	4.3			5	85	43-133
2,4,6-Tribromophenol	6.4			5	128	42-147
4-Terphenyl-d14	4.3			5	86	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,1-Biphenyl	0.42	0.46	0.50	83	92	54-111	9.95	25
1,2,4-Trichlorobenzene	7.9	7.4	10	79	74	54-112	7.60	25
1,2-Dichlorobenzene	6.4	6.8	10	64	68	43-125	4.99	25
1,2-Diphenylhydrazine	8.7	9.8	10	87	98	53-110	11.6	25
1,3-Dichlorobenzene	6.4	7.0	10	64	70	55-108	8.26	25
1,4-Dichlorobenzene	5.8	6.3	10	58	63	52-108	9.56	25
1-Methylnaphthalene	0.52	0.42	0.50	103	84	55-123	20.4	25
2,4,5-Trichlorophenol	0.48	0.50	0.50	96	101	52-119	4.70	25
2,4,6-Trichlorophenol	0.45	0.48	0.50	89	96	53-115	7.29	25
2,4-Dichlorophenol	11	9.3	10	108	93	56-121	15.3	25
2,4-Dimethylphenol	10	9.7	10	104	97	47-112	7.21	25
2,4-Dinitrophenol	2.8	2.3	2.5	113	91	29-114	21.3	25
2,4-Dinitrotoluene	0.55	0.60	0.50	110	121	59-128	9.52	25
2,6-Dichlorophenol	11	9.6	10	115	96	57-117	18.1	25
2,6-Dinitrotoluene	0.55	0.54	0.50	110	109	56-118	0.738	25
2-Chloronaphthalene	9.0	9.6	10	90	96	54-109	6.81	25
2-Chlorophenol	0.36	0.38	0.50	71	76	51-117	7.06	25
2-Methylnaphthalene	0.49	0.42	0.50	97	84	51-132	15.1	25
2-Methylphenol (o-Cresol)	8.7	8.3	10	87	83	47-127	4.74	25
2-Nitroaniline	56	52	50	111	103	56-126	7.54	25
2-Nitrophenol	48	50	50	96	100	60-119	3.84	25
3 & 4-Methylphenol (m,p-Cresol)	8.7	8.5	10	87	85	51-126	2.27	25
3,3-Dichlorobenzidine	0.47	0.48	0.50	94	96	52-118	1.96	25
3-Nitroaniline	60	50	50	120	100	57-124	17.8	25
4,6-Dinitro-2-methylphenol	51	51	50	103	101	33-117	1.77	25
4-Bromophenyl Phenyl Ether	8.7	9.9	10	87	99	53-108	12.5	25
4-Chloro-3-methylphenol	11	9.2	10	114	92	60-126	21.1	25
4-Chloroaniline	0.59	0.46	0.50	119	93	57-121	24.2	25
4-Chlorophenyl Phenyl Ether	9.7	9.1	10	97	91	59-108	6.51	25
4-Nitroaniline	59	44	50	118	88	58-130	28.7,F2	25
4-Nitrophenol	57	44	50	114	89	34-143	25.1,F2	25
Acenaphthene	0.48	0.47	0.50	96	94	55-112	1.95	25
Acenaphthylene	0.47	0.46	0.50	93	92	53-109	1.53	25
Acetochlor	10	8.7	10	102	87	52-119	16.3	25
Anthracene	0.48	0.45	0.50	96	91	57-112	5.07	25
Benzidine	42	41	50	83	83	33-87	0	25
Benzo (a) anthracene	0.43	0.41	0.50	86	83	54-103	3.58	25
Benzo (a) pyrene	0.46	0.44	0.50	91	88	50-116	3.00	25

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (b) fluoranthene	0.50	0.48	0.50	100	95	49-111	5.46	25
Benzo (g,h,i) perylene	0.49	0.47	0.50	98	94	48-106	3.98	25
Benzo (k) fluoranthene	0.48	0.45	0.50	96	90	52-111	5.67	25
Benzyl Alcohol	50	46	50	99	92	38-130	8.04	25
Bis (2-chloroethoxy) Methane	9.5	8.8	10	95	88	52-120	8.30	25
Bis (2-chloroethyl) Ether	0.37	0.37	0.50	73	75	37-142	1.88	25
Bis (2-chloroisopropyl) Ether	0.34	0.48	0.50	68	95	40-140	33.3,F2	25
Bis (2-ethylhexyl) Adipate	9.2	7.8	10	92	78	49-109	16.5	25
Bis (2-ethylhexyl) Phthalate	0.45	0.39	0.50	90	78	39-136	14.5	25
Butylbenzyl Phthalate	0.42	0.37	0.50	85	74	48-124	14.3	25
Chrysene	0.48	0.46	0.50	96	92	53-104	3.75	25
Dibenzo (a,h) anthracene	0.50	0.49	0.50	101	98	51-112	2.18	25
Dibenzofuran	10	9.6	10	101	96	57-108	5.36	25
Diethyl Phthalate	0.61	0.49	0.50	122	98	56-122	21.2	25
Dimethyl Phthalate	0.56	0.49	0.50	112	99	49-121	12.9	25
Di-n-butyl Phthalate	0.45	0.38	0.50	90	77	52-121	16.2	25
Di-n-octyl Phthalate	0.42	0.34	0.50	83	68	36-152	20.2	25
Fluoranthene	0.51	0.40	0.50	101	80	56-117	23.9	25
Fluorene	0.51	0.45	0.50	101	90	58-119	12.3	25
Hexachlorobenzene	0.42	0.46	0.50	84	92	51-107	9.12	25
Hexachlorobutadiene	0.37	0.38	0.50	75	75	54-109	0	25
Hexachlorocyclopentadiene	32	45	50	64	89	26-107	33.5,F2	25
Hexachloroethane	0.31	0.34	0.50	62	68	52-109	8.78	25
Indeno (1,2,3-cd) pyrene	0.49	0.48	0.50	99	96	50-107	2.47	25
Isophorone	11	9.3	10	113	93	58-120	19.2	25
Naphthalene	0.37	0.34	0.50	74	68	49-116	8.77	25
Nitrobenzene	8.5	8.4	10	85	84	52-119	0.842	25
N-Nitrosodi-n-propylamine	8.8	8.0	10	88	80	55-122	9.52	25
N-Nitrosodiphenylamine	8.8	9.7	10	88	97	56-106	9.56	25
Pentachlorophenol	2.5	2.4	2.5	99	95	45-119	3.71	25
Phenanthrene	0.47	0.46	0.50	95	91	56-108	3.68	25
Phenol	1.1	1.2	2	56	58	50-118	3.60	25
Pyrene	0.44	0.41	0.50	88	81	49-104	8.38	25
Pyridine	4.4	4.0	10	44	40	36-96	9.24	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179381
Date Analyzed:	6/11/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179381

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	3.3	3.9	5	66	78	36-131	17.5	25
Phenol-d5	4.0	4.5	5	80	90	43-149	11.0	25
Nitrobenzene-d5	4.2	4.7	5	84	93	39-150	10.4	25
2-Fluorobiphenyl	4.3	5.0	5	86	100	43-133	15.0	25
2,4,6-Tribromophenol	4.5	5.0	5	91	100	42-147	9.84	25
4-Terphenyl-d14	4.8	4.5	5	95	91	44-124	5.04	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179268
Date Analyzed:	6/10/19 - 6/11/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179268

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.20	0.50	-	-	-
Arsenic	ND	0.12	0.50	-	-	-
Barium	ND	0.36	5.0	-	-	-
Beryllium	ND	0.056	0.50	-	-	-
Cadmium	ND	0.060	0.50	-	-	-
Chromium	ND	0.36	0.50	-	-	-
Cobalt	ND	0.048	0.50	-	-	-
Copper	ND	0.43	0.50	-	-	-
Lead	ND	0.32	0.50	-	-	-
Mercury	ND	0.033	0.050	-	-	-
Molybdenum	ND	0.21	0.50	-	-	-
Nickel	ND	0.58	1.0	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.042	0.50	-	-	-
Thallium	ND	0.047	0.50	-	-	-
Vanadium	ND	0.091	0.50	-	-	-
Zinc	ND	11	20	-	-	-
Surrogate Recovery						
Terbium	470			500	94	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179268
Date Analyzed:	6/10/19 - 6/11/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179268

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	53	54	50	106	107	85-115	1.69	20
Arsenic	52	54	50	105	108	85-115	2.97	20
Barium	530	530	500	105	106	85-115	0.890	20
Beryllium	54	54	50	108	108	85-115	0	20
Cadmium	53	54	50	106	108	85-115	2.39	20
Chromium	53	54	50	106	108	85-115	1.31	20
Cobalt	52	53	50	105	105	85-115	0	20
Copper	53	54	50	107	108	85-115	1.27	20
Lead	54	55	50	108	110	85-115	1.78	20
Mercury	1.3	1.4	1.25	107	110	85-115	2.72	20
Molybdenum	51	52	50	102	104	85-115	2.22	20
Nickel	53	53	50	106	106	85-115	0	20
Selenium	55	54	50	110	108	85-115	2.21	20
Silver	54	55	50	109	110	85-115	0.969	20
Thallium	52	52	50	103	104	85-115	1.31	20
Vanadium	53	53	50	106	107	85-115	0.621	20
Zinc	550	550	500	110	111	85-115	1.09	20
Surrogate Recovery								
Terbium	480	490	500	95	97	70-130	2.35	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179367
Date Analyzed:	6/11/19	**Extraction Method:**	SW1010
Instrument:	WetChem	**Analytical Method:**	SW1010
Matrix:	Liquid	**Unit:**	°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-179367

QC Summary Report for Flash Point

Analyte	CCV REC (%)	CCV Limits
Flash Point	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/12/19	**BatchID:**	179528
Date Analyzed:	6/12/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179528

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.7			10	87	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	61	62	60	102	104	78-116	1.70	20
MTBE	10	10	10	100	103	72-122	3.49	20
Benzene	9.5	9.5	10	95	95	81-123	0	20
Toluene	9.7	9.7	10	97	97	83-129	0	20
Ethylbenzene	9.7	9.7	10	97	97	88-126	0	20
m,p-Xylene	20	19	20	97	97	80-120	0	20
o-Xylene	9.4	9.5	10	94	95	80-120	0.161	20
Surrogate Recovery								
aaa-TFT	8.7	8.6	10	87	86	74-117	1.12	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179323
Date Analyzed:	6/11/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179323

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	510			500	102	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	52	50	50	103	101	75-125	2.75	20
Surrogate Recovery								
Terbium	510	510	500	103	102	70-130	0.703	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/12/19	**BatchID:**	179532
Date Analyzed:	6/12/19	**Extraction Method:**	E420.4
Instrument:	WC_SKALAR	**Analytical Method:**	E420.4
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179532

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	2.0	2.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	41	41	40	102	102	80-120	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179332
Date Analyzed:	6/10/19	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-179332

QC Summary Report for Specific Conductivity

Analyte	CCV REC (%)	CCV Limits
Specific Conductivity	101	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/10/19	**BatchID:**	179320
Date Analyzed:	6/11/19	**Extraction Method:**	SW3510C
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179320

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	630			625	101	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1300	1300	1000	130	135	86-142	3.95	20
Surrogate Recovery								
C9	630	630	625	101	100	68-127	0.739	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/11/19	**BatchID:**	179365
Date Analyzed:	6/11/19	**Extraction Method:**	SM2540 D-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 D-1997
Matrix:	Water	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB-179365

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL			
Total Suspended Solids	ND	1.00	1.00	-	-	-

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906440 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/10/2019**
Date Logged: **06/10/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906440-001	Yacht Club	Water	6/7/2019 12:00	☐	D				A			C			B	
1906440-002	Sub Area A1+A2	Water	6/7/2019 12:30	☐	D	F	G	I	A	E		C	H	E	B	
1906440-003	Sub Area A1-S-3-2.0	Soil	6/7/2019 13:43	☐							A					
1906440-004	Sub Area A1-S-3-5.0	Soil	6/7/2019 13:47	☐							A					
1906440-005	Sub Area A2-S-1-4.0	Soil	6/7/2019 13:56	☐							A					
1906440-006	Sub Area A2-S-1-5.0	Soil	6/7/2019 14:00	☐							A					
1906440-007	Sub Area A2-S-2-4.0	Soil	6/7/2019 14:10	☐							A					
1906440-008	Sub Area A2-S-2.5.0	Soil	6/7/2019 14:15	☐							A					
1906440-009	Sub Area A1-B-1-5.0	Soil	6/7/2019 14:27	☐							A					
1906440-010	Sub Area A2-B-1-5.0	Soil	6/7/2019 14:25	☐							A					

Test Legend:

1	8082_PCB_W	2	8260B_W	3	8270_SCSM_W	4	CAM17MS_TTLC_W
5	FLASH_W	6	G-MBTEX_W	7	PBMS_TTLC_S	8	PHENOLICS_W
9	SC_W	10	TPH(DMO)_W	11	TSS_W	12	

Prepared by: Nancy Palacios

The following SampID: 002E contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906440
QC Level: LEVEL 2
Date Logged: 6/10/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906440-001A	Yacht Club	Water	SW1010 (Flash Point)	1	125mL HDPE, unprsv.	☐	6/7/2019 12:00	5 days	None	☐	
1906440-001B	Yacht Club	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	6/7/2019 12:00	5 days	None	☐	
1906440-001C	Yacht Club	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	☐	6/7/2019 12:00	5 days	None	☐	
1906440-001D	Yacht Club	Water	SW8082 (PCBs Only)	2	aVOA, Unpres	☐	6/7/2019 12:00	5 days	None	☐	
1906440-002A	Sub Area A1+A2	Water	SW1010 (Flash Point)	1	125mL HDPE, unprsv.	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002B	Sub Area A1+A2	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002C	Sub Area A1+A2	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002D	Sub Area A1+A2	Water	SW8082 (PCBs Only)	2	aVOA, Unpres	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002E	Sub Area A1+A2	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002F	Sub Area A1+A2	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002G	Sub Area A1+A2	Water	SW8270C (SVOCs)	1	1LA Narrow Mouth, Unpres	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002H	Sub Area A1+A2	Water	SM2510B (Specific Conductivity)	1	250mL HDPE, unprsv.	☐	6/7/2019 12:30	5 days	None	☐	
1906440-002I	Sub Area A1+A2	Water	E200.8 (CAM 17)	1	250mL HDPE w/ HNO3	☐	6/7/2019 12:30	5 days	None	☐	
1906440-003A	Sub Area A1-S-3-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 13:43	5 days		☐	
1906440-004A	Sub Area A1-S-3-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 13:47	5 days		☐	
1906440-005A	Sub Area A2-S-1-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 13:56	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906440
QC Level: LEVEL 2
Date Logged: 6/10/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906440-006A	Sub Area A2-S-1-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 14:00	5 days		☐	
1906440-007A	Sub Area A2-S-2-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 14:10	5 days		☐	
1906440-008A	Sub Area A2-S-2.5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 14:15	5 days		☐	
1906440-009A	Sub Area A1-B-1-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 14:27	5 days		☐	
1906440-010A	Sub Area A2-B-1-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/7/2019 14:25	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906440 13354

LANGAN

CHAIN OF CUSTODY RECORD

135 Main 1500 94105
[X] ~~555 Montgomery~~ Street, Suite ~~4300~~, San Francisco, CA ~~94111~~
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1546 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g/d/mo	VOCs	SVOCs	Flashpoint	specific conductivity	TSS	Perchlorate	PCBs	Total Metals	Total lead			Silica gel clean-up	Hold	Remarks
Yacht Club	6/7/19	1200			X				1		X				X		X	X	X							
Sub Area A1+A2		1230			X			4	1	1	X	X	X	X	X	X	X	X	X	X						
Sub Area A1-S-3-2.0		1343		X							X										X					
Sub Area A1-S-3-5.0		1347		X							X															
Sub Area A2-S-1-4.0		1356		X							X															
Sub Area A2-S-1-5.0		1400		X							X															
Sub Area A2-S-2-4.0		1410		X							X															
Sub Area A2-S-2-5.0		1415		X							X															
Sub Area A1-B-1-5.0		1427		X							X															
Sub Area A2-B-1-5.0		1425		X							X															

Relinquished by: (Signature) Grace Stafford	Date: 6/10/19	Time 1210	Received by: (Signature) UAP	Date 6/10/19 Time 1210
Relinquished by: (Signature) UAP	Date: 6/10/19	Time 1550	Received by: (Signature) Nancy Palacios	Date 6.10.19 Time 1550
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 03 NOT

* OK TO RUN GAM 17 PER DUSTYNE.

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/10/2019 15:50**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/10/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1906440** Matrix: Soil/Water	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
	(Ice Type: WET ICE)					
Sample/Temp Blank temperature		Temp: 0.3°C			NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906440 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/10/2019

Analytical Report reviewed & approved for release on 06/21/2019 by:

Angela Rydelius
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906440 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	CA Title 22
Date Prepared:	6/18/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-B-1-5.0	**1906440-009A**	**Soil**	**06/07/2019 14:27**	**ICP-MS3 064SMPL.D**	**179890**

Analytes	Result	RL	DF	Date Analyzed
Lead	**18**	0.10	1	06/21/2019 02:04

Analyst(s): ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-B-1-5.0	**1906440-010A**	**Soil**	**06/07/2019 14:25**	**ICP-MS3 065SMPL.D**	**179890**

Analytes	Result	RL	DF	Date Analyzed
Lead	**8.3**	0.10	1	06/21/2019 02:10

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW1311/SW3010
Date Prepared:	6/18/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-B-1-5.0	**1906440-009A**	**Soil**	**06/07/2019 14:27**	**ICP-MS3 146SMPL.D**	**179884**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	06/19/2019 23:18

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/18/19	**BatchID:**	179890
Date Analyzed:	6/20/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179890

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.9	9.7	10	99	97	75-125	2.55	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/18/19	**BatchID:**	179884
Date Analyzed:	6/19/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179884

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.5	9.5	10	95	95	75-125	0	20

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906440 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/10/2019**
Date Logged: **06/10/2019**
Date Add-On: **06/18/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906440-009	Sub Area A1-B-1-5.0	Soil	6/7/2019 14:27	☐	A	A										
1906440-010	Sub Area A2-B-1-5.0	Soil	6/7/2019 14:25	☐	A											

Test Legend:

1	PBMS_STLC_S	2	PBMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Add-On Prepared By: Maria Venegas

Comments: STLCs & TCLP Pb added 6/18/19 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLCs & TCLP Pb added 6/18/19 STAT.

Work Order: 1906440
QC Level: LEVEL 2
Date Logged: 6/10/2019
Date Add-On: 6/18/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906440-009A	Sub Area A1-B-1-5.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	6/7/2019 14:27	5 days*		☐	
			SW6020 (Lead) (STLC)				5 days*		☐	
1906440-010A	Sub Area A2-B-1-5.0	Soil	SW6020 (Lead) (STLC)	1	Stainless Steel tube 2"x6"	6/7/2019 14:25	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906440 13354

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

[X] ~~565 Montgomery~~ 135 Main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1546 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g/d/mo	VOCs	SVOCs	Flashpoint	specific conductivity	TSS	Perchlorate	PCBs	Total Metals	Total lead	STLC Pb	TCLP Pb	Silica gel clean-up	Hold	Remarks
Yacht Club	6/7/19	1200			X				1		X					X		X	X	X							
Sub Area A1+A2		1230			X			4	1	1	X		X	X	X	X	X	X	X	X	X						
Sub Area A1-S-3-2.0		1343		X							X											X					
Sub Area A1-S-3-5.0		1347		X							X																
Sub Area A2-S-1-4.0		1356		X							X																
Sub Area A2-S-1-5.0		1400		X							X																
Sub Area A2-S-2-4.0		1410		X							X																
Sub Area A2-S-2-5.0		1415		X							X																
Sub Area A1-B-1-5.0		1427		X							X												X	X			
Sub Area A2-B-1-5.0	↓	1425		X							X											X	X				

Relinquished by: (Signature) Grace Stafford	Date: 6/10/19	Time 1210	Received by: (Signature) LAP
Relinquished by: (Signature) LAP	Date: 6/10/19	Time 1550	Received by: (Signature) Nancy Palacios
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

Received by: (Signature) LAP	Date 6/10/19	Time 1210	
Received by: (Signature) Nancy Palacios	Date 6-10-19	Time 1550	
Received by Lab: (Signature)	Date	Time	

Sent to Laboratory (Name): McCampbell Analytical
Laboratory Comments/Notes: Added 6/18/19 STAT

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 03 of 07

* OK TO RUN GAM 17 PER DUSTYNE.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906440 B

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/10/2019

Analytical Report reviewed & approved for release on 06/25/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906440 B

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906440
Date Received:	6/10/19 15:50	**Extraction Method:**	SW1311/SW3010
Date Prepared:	6/23/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-B-1-5.0	**1906440-010A**	**Soil**	**06/07/2019 14:25**	**ICP-MS3 063SMPL.D**	**180178**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	06/24/2019 15:36

Analyst(s): JC

McCampbell Analytical, Inc.
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Quality Control Report

Client:	Langan	**WorkOrder:**	1906440
Date Prepared:	6/23/19	**BatchID:**	180178
Date Analyzed:	6/24/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180178 1906440-010AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.9	10	10	99	100	75-125	0.946	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	10	9.8	10	ND	100	98	75-125	1.41	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	ND<0.50	ND	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906440 B **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day

Date Received: **06/10/2019**
Date Logged: **06/10/2019**
Date Add-On: **06/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906440-010	Sub Area A2-B-1-5.0	Soil	6/7/2019 14:25	☐	A											

Test Legend:

1	PBMS_TCLP_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Add-On Prepared By: Maria Venegas

Comments: STLCs & TCLP Pb added 6/18/19 STAT-Changed to rush 6/19/19. TCLP Pb added to 010 6/21/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLCs & TCLP Pb added 6/18/19 STAT-Changed to rush 6/19/19. TCLP Pb added to 010 6/21/19 Rush TAT.

Work Order: 1906440
QC Level: LEVEL 2
Date Logged: 6/10/2019
Date Add-On: 6/21/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906440-010A	Sub Area A2-B-1-5.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	6/7/2019 14:25	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906440 13354

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

[X] ~~565 Montgomery~~ 135 main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1546 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g/d/mo	VOC's	SVOCs	Flashpoint	specific conductivity	TSS	Pesticides	PCBs	Total Metals	Total lead	STLC Pb	TCLP Pb	Silica gel clean-up	Hold	Remarks
Yacht Club	6/7/19	1200			X				1		X				X		X	X	X							
Sub Area A1+A2		1230			X			4	1	1	X	X	X	X	X	X	X	X	X	X						
Sub Area A1-S-3-2.0		1343		X							X										X					
Sub Area A1-S-3-5.0		1347		X							X															
Sub Area A2-S-1-4.0		1356		X							X															
Sub Area A2-S-1-5.0		1400		X							X															
Sub Area A2-S-2-4.0		1410		X							X															
Sub Area A2-S-2-5.0		1415		X							X															
Sub Area A1-B-1-5.0		1427		X							X											X	X			
Sub Area A2-B-1-5.0		1425		X							X										X	X	X			

Relinquished by: (Signature) Grace Stafford	Date: 6/10/19	Time 1210	Received by: (Signature) UAP	Date 6/10/19	Time 1210
Relinquished by: (Signature) UAP	Date: 6/10/19	Time 1550	Received by: (Signature) Nancy Palacios	Date 6.10.19	Time 1550
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical
Laboratory Comments/Notes: Added 6/18/19 STAT

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 03 of 07

* OK TO RUN CAM 17 PER DUSTYNE.

Added 6/21/19 RUSH

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1906610

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/12/2019

Analytical Report reviewed & approved for release on 06/19/2019 by:

Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906610

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906610

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e3	Aged diesel is significant
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC18 06171936.D**	**179430**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	06/18/2019 06:55
tert-Amyl methyl ether (TAME)	ND	0.0050	1	06/18/2019 06:55
Benzene	ND	0.0050	1	06/18/2019 06:55
Bromobenzene	ND	0.0050	1	06/18/2019 06:55
Bromochloromethane	ND	0.0050	1	06/18/2019 06:55
Bromodichloromethane	ND	0.0050	1	06/18/2019 06:55
Bromoform	ND	0.0050	1	06/18/2019 06:55
Bromomethane	ND	0.0050	1	06/18/2019 06:55
2-Butanone (MEK)	ND	0.050	1	06/18/2019 06:55
t-Butyl alcohol (TBA)	ND	0.050	1	06/18/2019 06:55
n-Butyl benzene	ND	0.0050	1	06/18/2019 06:55
sec-Butyl benzene	ND	0.0050	1	06/18/2019 06:55
tert-Butyl benzene	ND	0.0050	1	06/18/2019 06:55
Carbon Disulfide	ND	0.0050	1	06/18/2019 06:55
Carbon Tetrachloride	ND	0.0050	1	06/18/2019 06:55
Chlorobenzene	ND	0.0050	1	06/18/2019 06:55
Chloroethane	ND	0.0050	1	06/18/2019 06:55
Chloroform	ND	0.0050	1	06/18/2019 06:55
Chloromethane	ND	0.0050	1	06/18/2019 06:55
2-Chlorotoluene	ND	0.0050	1	06/18/2019 06:55
4-Chlorotoluene	ND	0.0050	1	06/18/2019 06:55
Dibromochloromethane	ND	0.0050	1	06/18/2019 06:55
1,2-Dibromo-3-chloropropane	ND	0.0050	1	06/18/2019 06:55
1,2-Dibromoethane (EDB)	ND	0.0040	1	06/18/2019 06:55
Dibromomethane	ND	0.0050	1	06/18/2019 06:55
1,2-Dichlorobenzene	ND	0.0050	1	06/18/2019 06:55
1,3-Dichlorobenzene	ND	0.0050	1	06/18/2019 06:55
1,4-Dichlorobenzene	ND	0.0050	1	06/18/2019 06:55
Dichlorodifluoromethane	ND	0.0050	1	06/18/2019 06:55
1,1-Dichloroethane	ND	0.0050	1	06/18/2019 06:55
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	06/18/2019 06:55
1,1-Dichloroethene	ND	0.0050	1	06/18/2019 06:55
cis-1,2-Dichloroethene	ND	0.0050	1	06/18/2019 06:55
trans-1,2-Dichloroethene	ND	0.0050	1	06/18/2019 06:55
1,2-Dichloropropane	ND	0.0050	1	06/18/2019 06:55
1,3-Dichloropropane	ND	0.0050	1	06/18/2019 06:55
2,2-Dichloropropane	ND	0.0050	1	06/18/2019 06:55

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC18 06171936.D**	**179430**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	06/18/2019 06:55
cis-1,3-Dichloropropene	ND	0.0050	1	06/18/2019 06:55
trans-1,3-Dichloropropene	ND	0.0050	1	06/18/2019 06:55
Diisopropyl ether (DIPE)	ND	0.0050	1	06/18/2019 06:55
Ethylbenzene	ND	0.0050	1	06/18/2019 06:55
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	06/18/2019 06:55
Freon 113	ND	0.0050	1	06/18/2019 06:55
Hexachlorobutadiene	ND	0.0050	1	06/18/2019 06:55
Hexachloroethane	ND	0.0050	1	06/18/2019 06:55
2-Hexanone	ND	0.0050	1	06/18/2019 06:55
Isopropylbenzene	ND	0.0050	1	06/18/2019 06:55
4-Isopropyl toluene	ND	0.0050	1	06/18/2019 06:55
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	06/18/2019 06:55
Methylene chloride	ND	0.020	1	06/18/2019 06:55
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	06/18/2019 06:55
Naphthalene	ND	0.0050	1	06/18/2019 06:55
n-Propyl benzene	ND	0.0050	1	06/18/2019 06:55
Styrene	ND	0.0050	1	06/18/2019 06:55
1,1,1,2-Tetrachloroethane	ND	0.0050	1	06/18/2019 06:55
1,1,2,2-Tetrachloroethane	ND	0.0050	1	06/18/2019 06:55
Tetrachloroethene	ND	0.0050	1	06/18/2019 06:55
Toluene	ND	0.0050	1	06/18/2019 06:55
1,2,3-Trichlorobenzene	ND	0.0050	1	06/18/2019 06:55
1,2,4-Trichlorobenzene	ND	0.0050	1	06/18/2019 06:55
1,1,1-Trichloroethane	ND	0.0050	1	06/18/2019 06:55
1,1,2-Trichloroethane	ND	0.0050	1	06/18/2019 06:55
Trichloroethene	ND	0.0050	1	06/18/2019 06:55
Trichlorofluoromethane	ND	0.0050	1	06/18/2019 06:55
1,2,3-Trichloropropane	ND	0.0050	1	06/18/2019 06:55
1,2,4-Trimethylbenzene	ND	0.0050	1	06/18/2019 06:55
1,3,5-Trimethylbenzene	ND	0.0050	1	06/18/2019 06:55
Vinyl Chloride	ND	0.0050	1	06/18/2019 06:55
m,p-Xylene	ND	0.0050	1	06/18/2019 06:55
o-Xylene	ND	0.0050	1	06/18/2019 06:55
Xylenes, Total	ND	0.0050	1	06/18/2019 06:55
1,3-Dichloropropene, Total	ND	NA	1	06/18/2019 06:55

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	6/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC18 06171936.D**	**179430**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	66-116		06/18/2019 06:55
Toluene-d8	106	86-110		06/18/2019 06:55
4-BFB	91	71-114		06/18/2019 06:55
Benzene-d6	86	62-122		06/18/2019 06:55
Ethylbenzene-d10	83	69-130		06/18/2019 06:55
1,2-DCB-d4	67	55-108		06/18/2019 06:55

Analyst(s): KF

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	6/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC21 06181936.D**	**179474**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**0.087**	0.010	1	06/19/2019 01:16
Acenaphthylene	ND	0.010	1	06/19/2019 01:16
Acetochlor	ND	2.0	1	06/19/2019 01:16
Anthracene	**0.071**	0.010	1	06/19/2019 01:16
Benzidine	ND	10	1	06/19/2019 01:16
Benzo (a) anthracene	**0.079**	0.040	1	06/19/2019 01:16
Benzo (a) pyrene	**0.040**	0.020	1	06/19/2019 01:16
Benzo (b) fluoranthene	**0.027**	0.010	1	06/19/2019 01:16
Benzo (g,h,i) perylene	**0.038**	0.020	1	06/19/2019 01:16
Benzo (k) fluoranthene	**0.012**	0.010	1	06/19/2019 01:16
Benzyl Alcohol	ND	10	1	06/19/2019 01:16
1,1-Biphenyl	ND	0.10	1	06/19/2019 01:16
Bis (2-chloroethoxy) Methane	ND	2.0	1	06/19/2019 01:16
Bis (2-chloroethyl) Ether	ND	0.020	1	06/19/2019 01:16
Bis (2-chloroisopropyl) Ether	ND	0.020	1	06/19/2019 01:16
Bis (2-ethylhexyl) Adipate	ND	4.0	1	06/19/2019 01:16
Bis (2-ethylhexyl) Phthalate	**0.066**	0.040	1	06/19/2019 01:16
4-Bromophenyl Phenyl Ether	ND	2.0	1	06/19/2019 01:16
Butylbenzyl Phthalate	ND	0.20	1	06/19/2019 01:16
4-Chloroaniline	ND	0.020	1	06/19/2019 01:16
4-Chloro-3-methylphenol	ND	2.0	1	06/19/2019 01:16
2-Chloronaphthalene	ND	2.0	1	06/19/2019 01:16
2-Chlorophenol	ND	0.040	1	06/19/2019 01:16
4-Chlorophenyl Phenyl Ether	ND	2.0	1	06/19/2019 01:16
Chrysene	**0.10**	0.020	1	06/19/2019 01:16
Dibenzo (a,h) anthracene	ND	0.020	1	06/19/2019 01:16
Dibenzofuran	ND	2.0	1	06/19/2019 01:16
Di-n-butyl Phthalate	**0.021**	0.020	1	06/19/2019 01:16
1,2-Dichlorobenzene	ND	2.0	1	06/19/2019 01:16
1,3-Dichlorobenzene	ND	2.0	1	06/19/2019 01:16
1,4-Dichlorobenzene	ND	2.0	1	06/19/2019 01:16
3,3-Dichlorobenzidine	ND	0.020	1	06/19/2019 01:16
2,4-Dichlorophenol	ND	0.10	1	06/19/2019 01:16
Diethyl Phthalate	ND	0.040	1	06/19/2019 01:16
2,4-Dimethylphenol	ND	2.0	1	06/19/2019 01:16
Dimethyl Phthalate	ND	0.020	1	06/19/2019 01:16
4,6-Dinitro-2-methylphenol	ND	10	1	06/19/2019 01:16

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	6/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	1906610-002A	Soil	06/11/2019 10:48	GC21 06181936.D	179474

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1.0	1	06/19/2019 01:16
2,4-Dinitrotoluene	ND	0.050	1	06/19/2019 01:16
2,6-Dinitrotoluene	ND	0.020	1	06/19/2019 01:16
Di-n-octyl Phthalate	ND	0.040	1	06/19/2019 01:16
1,2-Diphenylhydrazine	ND	2.0	1	06/19/2019 01:16
Fluoranthene	**0.10**	0.010	1	06/19/2019 01:16
Fluorene	**0.19**	0.020	1	06/19/2019 01:16
Hexachlorobenzene	ND	0.010	1	06/19/2019 01:16
Hexachlorobutadiene	ND	0.020	1	06/19/2019 01:16
Hexachlorocyclopentadiene	ND	16	1	06/19/2019 01:16
Hexachloroethane	ND	0.020	1	06/19/2019 01:16
Indeno (1,2,3-cd) pyrene	**0.020**	0.020	1	06/19/2019 01:16
Isophorone	ND	2.0	1	06/19/2019 01:16
1-Methylnaphthalene	**0.48**	0.010	1	06/19/2019 01:16
2-Methylnaphthalene	**0.024**	0.020	1	06/19/2019 01:16
2-Methylphenol (o-Cresol)	ND	4.0	1	06/19/2019 01:16
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	06/19/2019 01:16
Naphthalene	ND	0.010	1	06/19/2019 01:16
2-Nitroaniline	ND	10	1	06/19/2019 01:16
3-Nitroaniline	ND	10	1	06/19/2019 01:16
4-Nitroaniline	ND	10	1	06/19/2019 01:16
Nitrobenzene	ND	2.0	1	06/19/2019 01:16
2-Nitrophenol	ND	10	1	06/19/2019 01:16
4-Nitrophenol	ND	10	1	06/19/2019 01:16
N-Nitrosodiphenylamine	ND	2.0	1	06/19/2019 01:16
N-Nitrosodi-n-propylamine	ND	2.0	1	06/19/2019 01:16
Pentachlorophenol	ND	0.25	1	06/19/2019 01:16
Phenanthrene	**0.36**	0.040	1	06/19/2019 01:16
Phenol	ND	0.040	1	06/19/2019 01:16
Pyrene	**0.15**	0.020	1	06/19/2019 01:16
Pyridine	ND	2.0	1	06/19/2019 01:16
1,2,4-Trichlorobenzene	ND	2.0	1	06/19/2019 01:16
2,4,5-Trichlorophenol	ND	0.020	1	06/19/2019 01:16
2,4,6-Trichlorophenol	ND	0.10	1	06/19/2019 01:16

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	6/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC21 06181936.D**	**179474**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	105	56-152		06/19/2019 01:16
Phenol-d5	97	54-146		06/19/2019 01:16
Nitrobenzene-d5	85	47-147		06/19/2019 01:16
2-Fluorobiphenyl	88	46-141		06/19/2019 01:16
2,4,6-Tribromophenol	57	25-166		06/19/2019 01:16
4-Terphenyl-d14	99	39-153		06/19/2019 01:16

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW3050B
Date Prepared:	6/12/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**ICP-MS1 080SMPL.D**	**179495**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	06/18/2019 03:25
Arsenic	**7.5**	0.50	1	06/18/2019 03:25
Barium	**170**	5.0	1	06/18/2019 03:25
Beryllium	ND	0.50	1	06/18/2019 03:25
Cadmium	**0.33**	0.25	1	06/18/2019 03:25
Chromium	**49**	0.50	1	06/18/2019 03:25
Cobalt	**8.2**	0.50	1	06/18/2019 03:25
Copper	**25**	0.50	1	06/18/2019 03:25
Lead	**33**	0.50	1	06/18/2019 03:25
Mercury	**0.15**	0.050	1	06/18/2019 03:25
Molybdenum	**1.2**	0.50	1	06/18/2019 03:25
Nickel	**48**	0.50	1	06/18/2019 03:25
Selenium	ND	0.50	1	06/18/2019 03:25
Silver	ND	0.50	1	06/18/2019 03:25
Thallium	ND	0.50	1	06/18/2019 03:25
Vanadium	**45**	0.50	1	06/18/2019 03:25
Zinc	**120**	5.0	1	06/18/2019 03:25

Surrogates	REC (%)	Limits	
Terbium	94	70-130	06/18/2019 03:25

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW5035
Date Prepared:	6/12/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC7 06171919.D**	**179429**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**7.7**	3.3	3.33	06/17/2019 19:13
MTBE	**---**	0.17	3.33	06/17/2019 19:13
Benzene	**---**	0.017	3.33	06/17/2019 19:13
Toluene	**---**	0.017	3.33	06/17/2019 19:13
Ethylbenzene	**---**	0.017	3.33	06/17/2019 19:13
m,p-Xylene	**---**	0.033	3.33	06/17/2019 19:13
o-Xylene	**---**	0.017	3.33	06/17/2019 19:13
Xylenes	**---**	0.017	3.33	06/17/2019 19:13

Surrogates	REC (%)	Limits	
2-Fluorotoluene	65	62-126	06/17/2019 19:13

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1906610
Date Received:	6/12/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	6/12/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Overburden	**1906610-002A**	**Soil**	**06/11/2019 10:48**	**GC11A 06171982.D**	**179503**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**150**	1.0	1	06/18/2019 11:45
TPH-Motor Oil (C18-C36)	**200**	5.0	1	06/18/2019 11:45

Surrogates	REC (%)	Limits	
C9	99	74-123	06/18/2019 11:45

Analyst(s): JIS Analytical Comments: e7,e3,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.11			0.12	86	66-112
Toluene-d8	0.13			0.12	108	92-109
4-BFB	0.013			0.012	105	72-112
Benzene-d6	0.093			0.10	93	81-126
Ethylbenzene-d10	0.13			0.10	127	92-138
1,2-DCB-d4	0.091			0.10	91	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.21	0.21	0.20	103	104	59-127	1.21	20
tert-Amyl methyl ether (TAME)	0.017	0.017	0.020	84	86	54-98	2.16	20
Benzene	0.020	0.021	0.020	101	103	71-115	1.92	20
Bromobenzene	0.020	0.020	0.020	98	100	69-120	2.15	20
Bromochloromethane	0.020	0.020	0.020	98	100	63-117	2.24	20
Bromodichloromethane	0.019	0.019	0.020	93	93	61-109	0	20
Bromoform	0.012	0.012	0.020	59	59	46-87	0	20
Bromomethane	0.014	0.017	0.020	69	83	22-195	18.7	20
2-Butanone (MEK)	0.087	0.071	0.080	109	89	53-124	20.4,F2	20
t-Butyl alcohol (TBA)	0.088	0.087	0.080	110	108	29-142	1.44	20
n-Butyl benzene	0.025	0.026	0.020	127	130	102-169	2.29	20
sec-Butyl benzene	0.025	0.026	0.020	124	128	100-166	3.04	20
tert-Butyl benzene	0.023	0.024	0.020	116	119	91-153	2.74	20
Carbon Disulfide	0.020	0.021	0.020	102	105	60-125	3.17	20
Carbon Tetrachloride	0.018	0.018	0.020	90	90	69-124	0	20
Chlorobenzene	0.019	0.020	0.020	96	98	73-116	2.44	20
Chloroethane	0.024	0.024	0.020	122	120	47-140	1.65	20
Chloroform	0.020	0.021	0.020	102	104	69-118	1.87	20
Chloromethane	0.011	0.014	0.020	56	68	30-132	18.7	20
2-Chlorotoluene	0.022	0.022	0.020	108	110	75-147	1.57	20
4-Chlorotoluene	0.022	0.022	0.020	108	111	75-137	2.78	20
Dibromochloromethane	0.016	0.016	0.020	78	81	57-105	2.89	20
1,2-Dibromo-3-chloropropane	0.0067	0.0070	0.010	67	69	36-103	3.33	20
1,2-Dibromoethane (EDB)	0.0092	0.0094	0.010	92	94	66-101	1.64	20
Dibromomethane	0.018	0.018	0.020	92	92	61-103	0	20
1,2-Dichlorobenzene	0.016	0.016	0.020	81	81	59-104	0	20
1,3-Dichlorobenzene	0.020	0.020	0.020	98	99	70-133	0.907	20
1,4-Dichlorobenzene	0.019	0.019	0.020	94	95	68-123	1.38	20
Dichlorodifluoromethane	0.0065	0.0077	0.020	33	39	13-107	17.4	20
1,1-Dichloroethane	0.021	0.021	0.020	104	106	69-118	2.40	20
1,2-Dichloroethane (1,2-DCA)	0.019	0.019	0.020	93	94	59-112	0.716	20
1,1-Dichloroethene	0.018	0.019	0.020	92	96	69-126	4.38	20
cis-1,2-Dichloroethene	0.020	0.020	0.020	98	99	69-116	1.88	20
trans-1,2-Dichloroethene	0.021	0.022	0.020	105	109	73-116	3.29	20
1,2-Dichloropropane	0.019	0.020	0.020	96	99	65-111	2.79	20
1,3-Dichloropropane	0.018	0.019	0.020	92	94	67-110	1.99	20
2,2-Dichloropropane	0.020	0.020	0.020	99	100	65-125	1.75	20
1,1-Dichloropropene	0.019	0.019	0.020	94	95	70-123	1.43	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.019	0.019	0.020	94	95	68-126	1.53	20
trans-1,3-Dichloropropene	0.017	0.018	0.020	86	88	69-117	2.17	20
Diisopropyl ether (DIPE)	0.019	0.020	0.020	97	98	57-110	0.640	20
Ethylbenzene	0.021	0.022	0.020	106	109	80-128	2.78	20
Ethyl tert-butyl ether (ETBE)	0.018	0.018	0.020	90	91	54-106	0.606	20
Freon 113	0.015	0.016	0.020	77	82	60-108	6.23	20
Hexachlorobutadiene	0.020	0.020	0.020	100	100	67-182	0	20
Hexachloroethane	0.019	0.018	0.020	93	92	85-156	1.55	20
2-Hexanone	0.017	0.017	0.020	84	85	37-90	1.60	20
Isopropylbenzene	0.021	0.021	0.020	103	107	64-167	3.81	20
4-Isopropyl toluene	0.022	0.023	0.020	111	115	88-167	3.13	20
Methyl-t-butyl ether (MTBE)	0.019	0.019	0.020	94	95	60-102	0.850	20
Methylene chloride	0.024	0.024	0.020	120, F2	122, F2	71-117	1.40	20
4-Methyl-2-pentanone (MIBK)	0.015	0.014	0.020	73	73	48-90	0	20
Naphthalene	0.010	0.0094	0.020	51	47	29-65	9.17	20
n-Propyl benzene	0.024	0.025	0.020	120	123	88-161	3.05	20
Styrene	0.019	0.019	0.020	93	95	70-108	2.37	20
1,1,1,2-Tetrachloroethane	0.017	0.018	0.020	87	89	69-117	1.39	20
1,1,2,2-Tetrachloroethane	0.017	0.017	0.020	85	83	53-96	1.72	20
Tetrachloroethene	0.022	0.023	0.020	110	114	78-128	3.67	20
Toluene	0.019	0.020	0.020	97	99	78-121	2.06	20
1,2,3-Trichlorobenzene	0.012	0.011	0.020	59	56	35-80	5.62	20
1,2,4-Trichlorobenzene	0.015	0.014	0.020	73	71	46-101	3.19	20
1,1,1-Trichloroethane	0.020	0.020	0.020	100	101	69-121	1.10	20
1,1,2-Trichloroethane	0.017	0.017	0.020	86	87	64-104	1.77	20
Trichloroethene	0.022	0.022	0.020	108	111	73-118	2.54	20
Trichlorofluoromethane	0.018	0.019	0.020	89	95	31-119	6.22	20
1,2,3-Trichloropropane	0.0090	0.0090	0.010	90	90	65-107	0	20
1,2,4-Trimethylbenzene	0.026	0.026	0.020	129	130	80-147	0.668	20
1,3,5-Trimethylbenzene	0.025	0.025	0.020	125	127	83-156	1.85	20
Vinyl Chloride	0.0083	0.0089	0.010	83	89	40-125	7.77	20
m,p-Xylene	0.040	0.042	0.040	101	104	80-122	3.20	20
o-Xylene	0.020	0.020	0.020	98	102	79-116	4.26	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179430
Date Analyzed:	6/12/19 - 6/14/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179430

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.11	0.12	88	89	66-112	1.60	20
Toluene-d8	0.14	0.14	0.12	110, F3	113, F3	92-109	2.21	20
4-BFB	0.013	0.013	0.012	106	107	72-112	1.07	20
Benzene-d6	0.093	0.094	0.10	93	94	81-126	0.361	20
Ethylbenzene-d10	0.13	0.13	0.10	126	128	92-138	1.27	20
1,2-DCB-d4	0.093	0.093	0.10	93	93	68-108	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	0.0025,J	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	0.0010,J	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	0.00098,J	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	0.0011,J	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.7			1.25	133,F3	54-131
Phenol-d5	1.3			1.25	105	52-129
Nitrobenzene-d5	1.6			1.25	126	43-127
2-Fluorobiphenyl	1.6			1.25	125,F3	42-116
2,4,6-Tribromophenol	1.4			1.25	112	39-119
4-Terphenyl-d14	1.6			1.25	130,F3	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.9	3.0	2.5	116	120	69-130	2.76	30
1,2-Dichlorobenzene	2.4	2.6	2.5	97	105	68-114	7.19	30
1,2-Diphenylhydrazine	3.0	3.1	2.5	122	126	62-142	3.38	30
1,3-Dichlorobenzene	2.6	2.7	2.5	106	109	69-116	2.91	30
1,4-Dichlorobenzene	2.4	2.5	2.5	94	101	64-117	6.67	30
1-Methylnaphthalene	0.16	0.16	0.12	128	131	65-134	1.61	30
2,4,5-Trichlorophenol	0.14	0.15	0.12	113	120	68-150	5.97	30
2,4,6-Trichlorophenol	0.15	0.16	0.12	123	129	70-144	4.37	30
2,4-Dichlorophenol	3.2	3.4	2.5	129	134	78-144	3.93	30
2,4-Dimethylphenol	3.5	3.6	2.5	140	142	71-152	1.92	30
2,4-Dinitrophenol	0.56	0.61	0.62	89	97	1-156	8.60	30
2,4-Dinitrotoluene	0.15	0.15	0.12	116	120	68-144	2.90	30
2,6-Dinitrotoluene	0.15	0.15	0.12	118	123	69-148	4.67	30
2-Chloronaphthalene	3.2	3.4	2.5	127	134, F2	71-133	5.87	30
2-Chlorophenol	0.14	0.15	0.12	111	117	73-133	4.68	30
2-Methylnaphthalene	0.14	0.16	0.12	113	124	72-139	9.44	30
2-Methylphenol (o-Cresol)	2.9	3.0	2.5	116	119	69-138	2.48	30
2-Nitroaniline	15	15	12.5	118	121	72-143	2.32	30
2-Nitrophenol	16	16	12.5	125	126	80-141	1.03	30
3 & 4-Methylphenol (m,p-Cresol)	2.8	3.0	2.5	113	121	69-128	6.99	30
3,3-Dichlorobenzidine	0.11	0.11	0.12	86	88	11-163	2.13	30
3-Nitroaniline	11	12	12.5	89	92	57-122	3.25	30
4,6-Dinitro-2-methylphenol	14	14	12.5	108	115	14-155	6.08	30
4-Bromophenyl Phenyl Ether	3.0	3.3	2.5	121	132	68-136	8.66	30
4-Chloro-3-methylphenol	2.9	3.2	2.5	118	128	78-149	8.29	30
4-Chloroaniline	0.12	0.12	0.12	95	94	46-130	0.121	30
4-Chlorophenyl Phenyl Ether	2.9	3.0	2.5	115	119	71-132	3.75	30
4-Nitroaniline	13	13	12.5	102	107	68-133	5.17	30
4-Nitrophenol	13	13	12.5	105	107	67-144	1.61	30
Acenaphthene	0.14	0.15	0.12	116	118	68-134	2.13	30
Acenaphthylene	0.15	0.15	0.12	119	122	65-141	2.45	30
Anthracene	0.15	0.15	0.12	117	121	65-147	3.77	30
Benzidine	7.0	7.3	12.5	56	58	7-97	3.85	30
Benzo (a) anthracene	0.13	0.13	0.12	108	108	61-136	0	30
Benzo (a) pyrene	0.15	0.16	0.12	121	127	59-150	4.59	30
Benzo (b) fluoranthene	0.16	0.16	0.12	128	130	43-160	2.00	30
Benzo (g,h,i) perylene	0.14	0.15	0.12	115	120	54-142	4.65	30
Benzo (k) fluoranthene	0.14	0.14	0.12	111	114	59-141	3.19	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	16	17	12.5	129	133	48-145	2.94	30
Bis (2-chloroethoxy) Methane	3.2	3.3	2.5	128	132	71-138	2.95	30
Bis (2-chloroethyl) Ether	0.13	0.13	0.12	100	102	60-128	2.10	30
Bis (2-chloroisopropyl) Ether	0.13	0.14	0.12	107	113	67-129	4.93	30
Bis (2-ethylhexyl) Adipate	3.4	3.4	2.5	137	138	56-162	0.483	30
Bis (2-ethylhexyl) Phthalate	0.17	0.17	0.12	135	133	49-168	2.07	30
Butylbenzyl Phthalate	0.17	0.17	0.12	134	133	57-161	0.899	30
Chrysene	0.12	0.13	0.12	100	101	58-140	1.32	30
Dibenzo (a,h) anthracene	0.15	0.16	0.12	116	125	57-151	7.57	30
Dibenzofuran	2.7	2.8	2.5	109	114	70-134	3.84	30
Diethyl Phthalate	0.16	0.16	0.12	130	127	67-146	2.25	30
Dimethyl Phthalate	0.15	0.15	0.12	119	124	70-135	3.46	30
Di-n-butyl Phthalate	0.16	0.16	0.12	125	129	65-147	3.69	30
Di-n-octyl Phthalate	0.18	0.19	0.12	148	149	51-175	0.937	30
Fluoranthene	0.14	0.14	0.12	110	116	66-146	4.85	30
Fluorene	0.14	0.15	0.12	115	117	72-142	1.70	30
Hexachlorobenzene	0.13	0.15	0.12	108	116	65-127	7.67	30
Hexachlorobutadiene	0.14	0.15	0.12	113	120	68-131	5.53	30
Hexachlorocyclopentadiene	15	16	12.5	123	131	38-134	5.76	30
Hexachloroethane	0.13	0.13	0.12	101	105	57-117	3.76	30
Indeno (1,2,3-cd) pyrene	0.15	0.16	0.12	119	126	57-145	5.45	30
Isophorone	3.0	3.2	2.5	122	126	69-139	3.70	30
Naphthalene	0.12	0.12	0.12	95	97	64-127	2.31	30
Nitrobenzene	2.9	2.9	2.5	115	118	66-136	2.33	30
N-Nitrosodi-n-propylamine	2.6	2.7	2.5	103	109	74-118	5.07	30
N-Nitrosodiphenylamine	3.0	3.1	2.5	118	124	67-138	5.11	30
Pentachlorophenol	0.59	0.62	0.62	94	99	50-153	5.13	30
Phenanthrene	0.14	0.15	0.12	113	117	66-129	4.08	30
Phenol	0.51	0.53	0.50	102	106	58-136	4.26	30
Pyrene	0.15	0.15	0.12	119	117	55-148	1.57	30
Pyridine	1.6	1.6	2.5	65	65	46-93	0	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179474
Date Analyzed:	6/12/19	**Extraction Method:**	SW3550B
Instrument:	GC17, GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179474

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.5	1.7	1.25	123	135, F3	68-128	9.41	30
Phenol-d5	1.4	1.6	1.25	113	127, F3	73-121	11.9	30
Nitrobenzene-d5	1.7	1.8	1.25	134	143, F3	59-138	6.29	30
2-Fluorobiphenyl	1.6	1.7	1.25	125	137, F3	59-129	9.44	30
2,4,6-Tribromophenol	1.5	1.6	1.25	120	125	46-142	4.38	30
4-Terphenyl-d14	1.8	1.9	1.25	140	152, F3	50-143	8.39	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179495
Date Analyzed:	6/14/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179495

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.010,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	490			500	97	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179495
Date Analyzed:	6/14/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179495

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	53	52	50	106	105	75-125	1.41	20
Arsenic	49	48	50	97	95	75-125	1.85	20
Barium	500	500	500	100	99	75-125	1.32	20
Beryllium	51	50	50	103	100	75-125	2.17	20
Cadmium	49	48	50	97	96	75-125	0.930	20
Chromium	49	47	50	97	95	75-125	2.38	20
Cobalt	50	49	50	101	98	75-125	2.37	20
Copper	49	49	50	99	98	75-125	1.38	20
Lead	49	48	50	98	96	75-125	1.73	20
Mercury	1.3	1.3	1.25	102	104	75-125	1.24	20
Molybdenum	49	48	50	97	96	75-125	1.18	20
Nickel	50	49	50	99	98	75-125	1.36	20
Selenium	50	49	50	99	99	75-125	0	20
Silver	48	48	50	97	96	75-125	1.19	20
Thallium	49	49	50	98	98	75-125	0	20
Vanadium	48	48	50	97	95	75-125	1.52	20
Zinc	500	490	500	99	98	75-125	1.03	20
Surrogate Recovery								
Terbium	490	480	500	97	96	70-130	1.37	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/11/19 - 6/12/19	**BatchID:**	179429
Date Analyzed:	6/13/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179429

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.12,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.096			0.10	96	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.64	0.63	0.60	106	105	82-118	0.874	20
MTBE	0.089	0.088	0.10	89	88	61-119	1.66	20
Benzene	0.10	0.099	0.10	100	99	77-128	0.640	20
Toluene	0.10	0.10	0.10	104	104	74-132	0	20
Ethylbenzene	0.10	0.10	0.10	104	103	84-127	0.671	20
m,p-Xylene	0.21	0.21	0.20	105	105	80-120	0	20
o-Xylene	0.10	0.10	0.10	101	101	80-120	0	20
Surrogate Recovery								
2-Fluorotoluene	0.096	0.096	0.10	96	96	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906610
Date Prepared:	6/12/19	**BatchID:**	179503
Date Analyzed:	6/13/19	**Extraction Method:**	SW3550B
Instrument:	GC6A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179503

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	27			25	106	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	45	44	40	112	110	75-128	2.09	30
Surrogate Recovery								
C9	26	25	25	105	100	72-122	4.59	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906610 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/12/2019**
Date Logged: **06/12/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906610-001	Area E	Water	6/11/2019 09:45	☑	I		C		D		E	G		B	A	H
1906610-002	Area E Overburden	Soil	6/11/2019 10:48	☐		A		A		A			A			

Test Legend:

1	8082_PCB_W	2	8260B_S	3	8260B_W	4	8270_SCSM_S
5	8270_SCSM_W	6	CAM17MS_TTLC_S	7	CAM17MS_TTLC_Sed	8	FLASH_W
9	G-MBTEX_S	10	G-MBTEX_W	11	PHENOLICS_W	12	SC_W

Prepared by: Kena Ponce

The following SampID: 002A contains testgroup Multi Range_S.; The following SampID: 001B contains testgroup Multi Range_W.

Comments: HOLD -001 per email on 06/13/19 from DS.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906610 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/12/2019**
Date Logged: **06/12/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					13	14	15	16	17	18	19	20	21	22	23	24
1906610-001	Area E	Water	6/11/2019 09:45	☑		B	F									
1906610-002	Area E Overburden	Soil	6/11/2019 10:48	☐	A											

Test Legend:

13	TPH(DMO)_S	14	TPH(DMO)_W	15	TSS_W	16	
17		18		19		20	
21		22		23		24	

Prepared by: Kena Ponce

The following SampID: 002A contains testgroup Multi Range_S.; The following SampID: 001B contains testgroup Multi Range_W.

Comments: HOLD -001 per email on 06/13/19 from DS.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906610
QC Level: LEVEL 2
Date Logged: 6/12/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906610-001A	Area E	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001B	Area E	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001C	Area E	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001D	Area E	Water	SW8270C (SVOCs)	1	1LA Narrow Mouth, Unpres	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001E	Area E	Water	E200.8 (Metals)	1	250mL HDPE w/ HNO3	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001F	Area E	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001G	Area E	Water	SW1010 (Flash Point)	1	250mL HDPE, unprsv.	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001H	Area E	Water	SM2510B (Specific Conductivity)	1	250mL HDPE, unprsv.	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-001I	Area E	Water	SW8082 (PCBs Only)	2	aVOA, Unpres	☐	6/11/2019 9:45	5 days	2%+	☐	
1906610-002A	Area E Overburden	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	6/11/2019 10:48	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

13369

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

[X] ~~555 Montgomery~~ 135 Main Street, Suite ~~4300~~ 1300, San Francisco, CA ~~94111~~ 94105
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1906610

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Phenolics	TPH g/d/mo	VOCs	SVOCs	CAM 17 metals	TSS	Flashpoint + Specific cond.	PCBs	Silica gel clean-up	Hold	Remarks
Area E	6/11/19	0945			X			4	1	1	X	X	X	X	X	X	X	X	X			1) Please composite
1	↓	1045		X							X											1 through 4 into
2		1046		X							X											Area E overporden
3		1047		X							X											
4	↓	1048		X							X											
Area E overburden													X	X	X	X						
																						"Area E" water on HOLD per DS 6-13-19

Relinquished by: (Signature) Grace Stafford	Date: 6/12/19	Time 1105	Received by: (Signature) CAP	Date 6/12/19	Time 1105
Relinquished by: (Signature) CAP	Date: 6/12/19	Time 1600	Received by: (Signature)	Date 6/12/19	Time 1600
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: 42C

plz cc: gstafford@langan.com

13369

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

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[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1906610

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Phenolics	TPH g/d/mo	VOCs	SVOCs	CAM 17 metals	TSS	Flashpoint + Specific cond.	PCBs				Silica gel clean-up	Hold	Remarks
Area E	6/11/19	0945			X			4	1	1	X		X	X	X	X	X	X	X	X	X					1) Please composite
1	↓	1045		X							X															1 through 4 into
2		1046		X							X															Area E overburden
3		1047		X							X															
4	↓	1048		X							X															
Area E overburden														X	X	X	X									

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Grace Stafford	6/12/19	1105	CAP	6/12/19	1105
CAP	6/12/19	1600		6/12/19	1600
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: 42C

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/12/2019 16:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/12/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1906610** Matrix: Soil/Water	Logged by:	Kena Ponce
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☑	No	☐	NA	☐
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1906684

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Grace Stafford
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/13/2019

Analytical Report reviewed & approved for release on 06/21/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906684

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906684

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
c2	Surrogate recovery outside of the control limits due to matrix interference.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e3	Aged diesel is significant.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

Quality Control Qualifiers

F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5030B
Date Prepared:	6/13/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC10 06141910.D**	**179595**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	10	06/14/2019 13:29
tert-Amyl methyl ether (TAME)	ND	0.50	10	06/14/2019 13:29
Benzene	ND	0.50	10	06/14/2019 13:29
Bromobenzene	ND	0.50	10	06/14/2019 13:29
Bromochloromethane	ND	0.50	10	06/14/2019 13:29
Bromodichloromethane	ND	0.50	10	06/14/2019 13:29
Bromoform	ND	0.50	10	06/14/2019 13:29
Bromomethane	ND	0.50	10	06/14/2019 13:29
2-Butanone (MEK)	ND	5.0	10	06/14/2019 13:29
t-Butyl alcohol (TBA)	ND	5.0	10	06/14/2019 13:29
n-Butyl benzene	ND	0.50	10	06/14/2019 13:29
sec-Butyl benzene	ND	0.50	10	06/14/2019 13:29
tert-Butyl benzene	ND	0.50	10	06/14/2019 13:29
Carbon Disulfide	ND	0.50	10	06/14/2019 13:29
Carbon Tetrachloride	ND	0.50	10	06/14/2019 13:29
Chlorobenzene	ND	0.50	10	06/14/2019 13:29
Chloroethane	ND	0.50	10	06/14/2019 13:29
Chloroform	ND	0.50	10	06/14/2019 13:29
Chloromethane	ND	0.50	10	06/14/2019 13:29
2-Chlorotoluene	ND	0.50	10	06/14/2019 13:29
4-Chlorotoluene	ND	0.50	10	06/14/2019 13:29
Dibromochloromethane	ND	0.50	10	06/14/2019 13:29
1,2-Dibromo-3-chloropropane	ND	0.50	10	06/14/2019 13:29
1,2-Dibromoethane (EDB)	ND	0.40	10	06/14/2019 13:29
Dibromomethane	ND	0.50	10	06/14/2019 13:29
1,2-Dichlorobenzene	ND	0.50	10	06/14/2019 13:29
1,3-Dichlorobenzene	ND	0.50	10	06/14/2019 13:29
1,4-Dichlorobenzene	ND	0.50	10	06/14/2019 13:29
Dichlorodifluoromethane	ND	0.50	10	06/14/2019 13:29
1,1-Dichloroethane	ND	0.50	10	06/14/2019 13:29
1,2-Dichloroethane (1,2-DCA)	ND	0.40	10	06/14/2019 13:29
1,1-Dichloroethene	ND	0.50	10	06/14/2019 13:29
cis-1,2-Dichloroethene	ND	0.50	10	06/14/2019 13:29
trans-1,2-Dichloroethene	ND	0.50	10	06/14/2019 13:29
1,2-Dichloropropane	ND	0.50	10	06/14/2019 13:29
1,3-Dichloropropane	ND	0.50	10	06/14/2019 13:29
2,2-Dichloropropane	ND	0.50	10	06/14/2019 13:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5030B
Date Prepared:	6/13/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC10 06141910.D**	**179595**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	10	06/14/2019 13:29
cis-1,3-Dichloropropene	ND	0.50	10	06/14/2019 13:29
trans-1,3-Dichloropropene	ND	0.50	10	06/14/2019 13:29
Diisopropyl ether (DIPE)	ND	0.50	10	06/14/2019 13:29
Ethylbenzene	ND	0.50	10	06/14/2019 13:29
Ethyl tert-butyl ether (ETBE)	ND	0.50	10	06/14/2019 13:29
Freon 113	ND	0.50	10	06/14/2019 13:29
Hexachlorobutadiene	ND	0.50	10	06/14/2019 13:29
Hexachloroethane	ND	0.50	10	06/14/2019 13:29
2-Hexanone	ND	0.50	10	06/14/2019 13:29
Isopropylbenzene	ND	0.50	10	06/14/2019 13:29
4-Isopropyl toluene	ND	0.50	10	06/14/2019 13:29
Methyl-t-butyl ether (MTBE)	ND	0.50	10	06/14/2019 13:29
Methylene chloride	ND	2.0	10	06/14/2019 13:29
4-Methyl-2-pentanone (MIBK)	ND	0.50	10	06/14/2019 13:29
Naphthalene	**1.5**	0.50	10	06/14/2019 13:29
n-Propyl benzene	ND	0.50	10	06/14/2019 13:29
Styrene	ND	0.50	10	06/14/2019 13:29
1,1,1,2-Tetrachloroethane	ND	0.50	10	06/14/2019 13:29
1,1,2,2-Tetrachloroethane	ND	0.50	10	06/14/2019 13:29
Tetrachloroethene	ND	0.50	10	06/14/2019 13:29
Toluene	ND	0.50	10	06/14/2019 13:29
1,2,3-Trichlorobenzene	ND	0.50	10	06/14/2019 13:29
1,2,4-Trichlorobenzene	ND	0.50	10	06/14/2019 13:29
1,1,1-Trichloroethane	ND	0.50	10	06/14/2019 13:29
1,1,2-Trichloroethane	ND	0.50	10	06/14/2019 13:29
Trichloroethene	ND	0.50	10	06/14/2019 13:29
Trichlorofluoromethane	ND	0.50	10	06/14/2019 13:29
1,2,3-Trichloropropane	ND	0.50	10	06/14/2019 13:29
1,2,4-Trimethylbenzene	ND	0.50	10	06/14/2019 13:29
1,3,5-Trimethylbenzene	ND	0.50	10	06/14/2019 13:29
Vinyl Chloride	ND	0.50	10	06/14/2019 13:29
m,p-Xylene	ND	0.50	10	06/14/2019 13:29
o-Xylene	ND	0.50	10	06/14/2019 13:29
Xylenes, Total	ND	0.50	10	06/14/2019 13:29
1,3-Dichloropropene, Total	ND	NA	10	06/14/2019 13:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5030B
Date Prepared:	6/13/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC10 06141910.D**	**179595**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**		
Dibromofluoromethane	90		66-116		06/14/2019 13:29
Toluene-d8	103		86-110		06/14/2019 13:29
4-BFB	140	S	71-114		06/14/2019 13:29
Benzene-d6	102		62-122		06/14/2019 13:29
Ethylbenzene-d10	52	S	69-130		06/14/2019 13:29
1,2-DCB-d4	49	S	55-108		06/14/2019 13:29

Analyst(s): TK Analytical Comments: c2

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3550B
Date Prepared:	6/14/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC21 06171928.D**	**179622**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**2.5**	0.52	50	06/17/2019 22:05
Acenaphthylene	ND	0.52	50	06/17/2019 22:05
Acetochlor	ND	100	50	06/17/2019 22:05
Anthracene	**2.4**	0.52	50	06/17/2019 22:05
Benzidine	ND	500	50	06/17/2019 22:05
Benzo (a) anthracene	ND	2.0	50	06/17/2019 22:05
Benzo (a) pyrene	ND	1.0	50	06/17/2019 22:05
Benzo (b) fluoranthene	**0.64**	0.52	50	06/17/2019 22:05
Benzo (g,h,i) perylene	ND	1.0	50	06/17/2019 22:05
Benzo (k) fluoranthene	ND	0.52	50	06/17/2019 22:05
Benzyl Alcohol	ND	500	50	06/17/2019 22:05
1,1-Biphenyl	ND	5.2	50	06/17/2019 22:05
Bis (2-chloroethoxy) Methane	ND	100	50	06/17/2019 22:05
Bis (2-chloroethyl) Ether	ND	1.0	50	06/17/2019 22:05
Bis (2-chloroisopropyl) Ether	ND	1.0	50	06/17/2019 22:05
Bis (2-ethylhexyl) Adipate	ND	200	50	06/17/2019 22:05
Bis (2-ethylhexyl) Phthalate	ND	2.0	50	06/17/2019 22:05
4-Bromophenyl Phenyl Ether	ND	100	50	06/17/2019 22:05
Butylbenzyl Phthalate	ND	10	50	06/17/2019 22:05
4-Chloroaniline	ND	1.0	50	06/17/2019 22:05
4-Chloro-3-methylphenol	ND	100	50	06/17/2019 22:05
2-Chloronaphthalene	ND	100	50	06/17/2019 22:05
2-Chlorophenol	ND	2.0	50	06/17/2019 22:05
4-Chlorophenyl Phenyl Ether	ND	100	50	06/17/2019 22:05
Chrysene	**3.1**	1.0	50	06/17/2019 22:05
Dibenzo (a,h) anthracene	ND	1.0	50	06/17/2019 22:05
Dibenzofuran	ND	100	50	06/17/2019 22:05
Di-n-butyl Phthalate	ND	1.0	50	06/17/2019 22:05
1,2-Dichlorobenzene	ND	100	50	06/17/2019 22:05
1,3-Dichlorobenzene	ND	100	50	06/17/2019 22:05
1,4-Dichlorobenzene	ND	100	50	06/17/2019 22:05
3,3-Dichlorobenzidine	ND	1.0	50	06/17/2019 22:05
2,4-Dichlorophenol	ND	5.2	50	06/17/2019 22:05
Diethyl Phthalate	ND	2.0	50	06/17/2019 22:05
2,4-Dimethylphenol	ND	100	50	06/17/2019 22:05
Dimethyl Phthalate	ND	1.0	50	06/17/2019 22:05
4,6-Dinitro-2-methylphenol	ND	500	50	06/17/2019 22:05

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3550B
Date Prepared:	6/14/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	1906684-001A	Soil	06/13/2019 10:40	GC21 06171928.D	179622

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	52	50	06/17/2019 22:05
2,4-Dinitrotoluene	ND	2.5	50	06/17/2019 22:05
2,6-Dinitrotoluene	ND	1.0	50	06/17/2019 22:05
Di-n-octyl Phthalate	ND	2.0	50	06/17/2019 22:05
1,2-Diphenylhydrazine	ND	100	50	06/17/2019 22:05
Fluoranthene	**0.90**	0.52	50	06/17/2019 22:05
Fluorene	**5.1**	1.0	50	06/17/2019 22:05
Hexachlorobenzene	ND	0.52	50	06/17/2019 22:05
Hexachlorobutadiene	ND	1.0	50	06/17/2019 22:05
Hexachlorocyclopentadiene	ND	800	50	06/17/2019 22:05
Hexachloroethane	ND	1.0	50	06/17/2019 22:05
Indeno (1,2,3-cd) pyrene	ND	1.0	50	06/17/2019 22:05
Isophorone	ND	100	50	06/17/2019 22:05
1-Methylnaphthalene	**14**	0.52	50	06/17/2019 22:05
2-Methylnaphthalene	ND	1.0	50	06/17/2019 22:05
2-Methylphenol (o-Cresol)	ND	200	50	06/17/2019 22:05
3 & 4-Methylphenol (m,p-Cresol)	ND	100	50	06/17/2019 22:05
Naphthalene	**0.96**	0.52	50	06/17/2019 22:05
2-Nitroaniline	ND	500	50	06/17/2019 22:05
3-Nitroaniline	ND	500	50	06/17/2019 22:05
4-Nitroaniline	ND	500	50	06/17/2019 22:05
Nitrobenzene	ND	100	50	06/17/2019 22:05
2-Nitrophenol	ND	500	50	06/17/2019 22:05
4-Nitrophenol	ND	500	50	06/17/2019 22:05
N-Nitrosodiphenylamine	ND	100	50	06/17/2019 22:05
N-Nitrosodi-n-propylamine	ND	100	50	06/17/2019 22:05
Pentachlorophenol	ND	13	50	06/17/2019 22:05
Phenanthrene	**11**	2.0	50	06/17/2019 22:05
Phenol	ND	2.0	50	06/17/2019 22:05
Pyrene	**3.6**	1.0	50	06/17/2019 22:05
Pyridine	ND	100	50	06/17/2019 22:05
1,2,4-Trichlorobenzene	ND	100	50	06/17/2019 22:05
2,4,5-Trichlorophenol	ND	1.0	50	06/17/2019 22:05
2,4,6-Trichlorophenol	ND	5.2	50	06/17/2019 22:05

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3550B
Date Prepared:	6/14/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC21 06171928.D**	**179622**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorophenol	248	S	56-152	06/17/2019 22:05
Phenol-d5	154	S	54-146	06/17/2019 22:05
Nitrobenzene-d5	286	S	47-147	06/17/2019 22:05
2-Fluorobiphenyl	139		46-141	06/17/2019 22:05
2,4,6-Tribromophenol	129		25-166	06/17/2019 22:05
4-Terphenyl-d14	140		39-153	06/17/2019 22:05

Analyst(s): REB Analytical Comments: c1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3050B
Date Prepared:	6/13/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	1906684-001A	Soil	06/13/2019 10:40	ICP-MS1 030SMPL.D	179592

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	06/14/2019 13:33
Arsenic	**3.6**	0.50	1	06/14/2019 13:33
Barium	**150**	5.0	1	06/14/2019 13:33
Beryllium	ND	0.50	1	06/14/2019 13:33
Cadmium	ND	0.25	1	06/14/2019 13:33
Chromium	**34**	0.50	1	06/14/2019 13:33
Cobalt	**6.2**	0.50	1	06/14/2019 13:33
Copper	**14**	0.50	1	06/14/2019 13:33
Lead	**25**	0.50	1	06/14/2019 13:33
Mercury	**0.13**	0.050	1	06/14/2019 13:33
Molybdenum	ND	0.50	1	06/14/2019 13:33
Nickel	**48**	0.50	1	06/14/2019 13:33
Selenium	ND	0.50	1	06/14/2019 13:33
Silver	ND	0.50	1	06/14/2019 13:33
Thallium	ND	0.50	1	06/14/2019 13:33
Vanadium	**22**	0.50	1	06/14/2019 13:33
Zinc	**49**	5.0	1	06/14/2019 13:33

Surrogates	REC (%)	Limits	
Terbium	97	70-130	06/14/2019 13:33

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	Kelada-01
Date Prepared:	6/21/19	**Analytical Method:**	Kelada-01
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Subarea A1+A2	**1906684-002A**	**Water**	**06/13/2019 08:30**	**WC_SKALAR 062119A1_44**	**180127**

Analytes	Result	RL	DF	Date Analyzed
Total Cyanide	**2.8**	1.0	1	06/21/2019 11:28

Analyst(s): NM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906684-003A**	**Water**	**06/13/2019 08:10**	**WC_SKALAR 062119A1_69**	**180127**

Analytes	Result	RL	DF	Date Analyzed
Total Cyanide	**7.3**	1.0	1	06/21/2019 12:34

Analyst(s): NM

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5035
Date Prepared:	6/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC7 06131946.D**	**179584**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**450**	170	33.3	06/14/2019 11:37
MTBE	---	8.3	33.3	06/14/2019 11:37
Benzene	---	0.83	33.3	06/14/2019 11:37
Toluene	---	0.83	33.3	06/14/2019 11:37
Ethylbenzene	---	0.83	33.3	06/14/2019 11:37
m,p-Xylene	---	1.7	33.3	06/14/2019 11:37
o-Xylene	---	0.83	33.3	06/14/2019 11:37
Xylenes	---	0.83	33.3	06/14/2019 11:37

Surrogates	REC (%)	Limits	
2-Fluorotoluene	75	62-126	06/14/2019 11:37

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-2-5.0	**1906684-004A**	**Soil**	**06/12/2019 15:20**	**GC19 06151931.D**	**179584**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.8**	1.0	1	06/16/2019 03:15
MTBE	---	0.050	1	06/16/2019 03:15
Benzene	---	0.0050	1	06/16/2019 03:15
Toluene	---	0.0050	1	06/16/2019 03:15
Ethylbenzene	---	0.0050	1	06/16/2019 03:15
m,p-Xylene	---	0.010	1	06/16/2019 03:15
o-Xylene	---	0.0050	1	06/16/2019 03:15
Xylenes	---	0.0050	1	06/16/2019 03:15

Surrogates	REC (%)	Limits	
2-Fluorotoluene	67	62-126	06/16/2019 03:15

Analyst(s): HD Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5035
Date Prepared:	6/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0	**1906684-005A**	**Soil**	**06/12/2019 15:25**	**GC19 06171907.D**	**179584**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**69**	10	10	06/17/2019 13:28
MTBE	---	0.50	10	06/17/2019 13:28
Benzene	---	0.050	10	06/17/2019 13:28
Toluene	---	0.050	10	06/17/2019 13:28
Ethylbenzene	---	0.050	10	06/17/2019 13:28
m,p-Xylene	---	0.10	10	06/17/2019 13:28
o-Xylene	---	0.050	10	06/17/2019 13:28
Xylenes	---	0.050	10	06/17/2019 13:28

Surrogates	REC (%)	Limits	
2-Fluorotoluene	74	62-126	06/17/2019 13:28

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-5-5.0	**1906684-006A**	**Soil**	**06/12/2019 16:35**	**GC7 06141921.D**	**179594**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**29**	1.0	1	06/14/2019 23:48
MTBE	---	0.050	1	06/14/2019 23:48
Benzene	---	0.0050	1	06/14/2019 23:48
Toluene	---	0.0050	1	06/14/2019 23:48
Ethylbenzene	---	0.0050	1	06/14/2019 23:48
m,p-Xylene	---	0.010	1	06/14/2019 23:48
o-Xylene	---	0.0050	1	06/14/2019 23:48
Xylenes	---	0.0050	1	06/14/2019 23:48

Surrogates	REC (%)	Limits	
2-Fluorotoluene	67	62-126	06/14/2019 23:48

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW5035
Date Prepared:	6/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-1-5.0	**1906684-007A**	**Soil**	**06/12/2019 15:15**	**GC19 06151935.D**	**179594**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**5.0**	1.0	1	06/16/2019 05:15
MTBE	---	0.050	1	06/16/2019 05:15
Benzene	---	0.0050	1	06/16/2019 05:15
Toluene	---	0.0050	1	06/16/2019 05:15
Ethylbenzene	---	0.0050	1	06/16/2019 05:15
m,p-Xylene	---	0.010	1	06/16/2019 05:15
o-Xylene	---	0.0050	1	06/16/2019 05:15
Xylenes	---	0.0050	1	06/16/2019 05:15

Surrogates	REC (%)	Limits	
2-Fluorotoluene	75	62-126	06/16/2019 05:15

Analyst(s): HD

Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3550B
Date Prepared:	6/13/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area ENW 4.5	**1906684-001A**	**Soil**	**06/13/2019 10:40**	**GC11B 06131961.D**	**179593**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7600**	2000	1,000	06/14/2019 04:49
TPH-Motor Oil (C18-C36)	**13,000**	10,000	1,000	06/14/2019 04:49

Surrogates	REC (%)	Limits	
C9	99	74-123	06/14/2019 04:49

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-2-5.0	**1906684-004A**	**Soil**	**06/12/2019 15:20**	**GC6B 06191927.D**	**179593**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**18**	1.0	1	06/19/2019 23:47

Surrogates	REC (%)	Limits	
C9	90	74-123	06/19/2019 23:47

Analyst(s): JIS Analytical Comments: e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0	**1906684-005A**	**Soil**	**06/12/2019 15:25**	**GC11B 06191961.D**	**179593**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3900**	50	50	06/20/2019 12:11

Surrogates	REC (%)	Limits	
C9	87	74-123	06/20/2019 12:11

Analyst(s): JIS Analytical Comments: e3,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-5-5.0	**1906684-006A**	**Soil**	**06/12/2019 16:35**	**GC11A 06191950.D**	**179593**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**570**	50	50	06/20/2019 08:20

Surrogates	REC (%)	Limits	
C9	93	74-123	06/20/2019 08:20

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1906684
Date Received:	6/13/19 19:25	**Extraction Method:**	SW3550B
Date Prepared:	6/13/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-1-5.0	**1906684-007A**	**Soil**	**06/12/2019 15:15**	**GC11A 06191954.D**	**179593**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**23**	5.0	5	06/20/2019 09:36

Surrogates	REC (%)	Limits	
C9	90	74-123	06/20/2019 09:36

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.12			0.12	94	66-112
Toluene-d8	0.13			0.12	105	92-109
4-BFB	0.012			0.012	99	72-112
Benzene-d6	0.094			0.10	94	81-126
Ethylbenzene-d10	0.11			0.10	107	92-138
1,2-DCB-d4	0.081			0.10	81	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.21	0.20	0.20	104	100	59-127	3.92	20
tert-Amyl methyl ether (TAME)	0.015	0.015	0.020	77	74	54-98	5.19	20
Benzene	0.019	0.018	0.020	96	88	71-115	7.98	20
Bromobenzene	0.019	0.020	0.020	94	98	69-120	4.60	20
Bromochloromethane	0.018	0.017	0.020	91	87	63-117	5.28	20
Bromodichloromethane	0.016	0.015	0.020	82	76	61-109	6.88	20
Bromoform	0.014	0.014	0.020	69	72	46-87	4.45	20
Bromomethane	0.019	0.017	0.020	93	87	22-195	6.81	20
2-Butanone (MEK)	0.074	0.073	0.080	92	91	53-124	0.957	20
t-Butyl alcohol (TBA)	0.066	0.065	0.080	82	81	29-142	1.38	20
n-Butyl benzene	0.025	0.023	0.020	123	114	102-169	7.04	20
sec-Butyl benzene	0.025	0.024	0.020	124	119	100-166	3.97	20
tert-Butyl benzene	0.024	0.024	0.020	118	118	91-153	0	20
Carbon Disulfide	0.020	0.018	0.020	101	88	60-125	12.8	20
Carbon Tetrachloride	0.020	0.018	0.020	98	90	69-124	7.68	20
Chlorobenzene	0.019	0.019	0.020	93	93	73-116	0	20
Chloroethane	0.019	0.018	0.020	97	88	47-140	9.45	20
Chloroform	0.019	0.018	0.020	95	89	69-118	6.21	20
Chloromethane	0.017	0.016	0.020	84	78	30-132	6.54	20
2-Chlorotoluene	0.022	0.022	0.020	108	110	75-147	1.91	20
4-Chlorotoluene	0.020	0.021	0.020	102	103	75-137	0.851	20
Dibromochloromethane	0.015	0.016	0.020	77	82	57-105	6.14	20
1,2-Dibromo-3-chloropropane	0.0067	0.0073	0.010	67	73	36-103	8.52	20
1,2-Dibromoethane (EDB)	0.0080	0.0085	0.010	80	85	66-101	6.32	20
Dibromomethane	0.017	0.016	0.020	83	79	61-103	5.81	20
1,2-Dichlorobenzene	0.016	0.016	0.020	79	80	59-104	0.784	20
1,3-Dichlorobenzene	0.020	0.020	0.020	98	99	70-133	0.500	20
1,4-Dichlorobenzene	0.018	0.018	0.020	92	91	68-123	0.253	20
Dichlorodifluoromethane	0.010	0.0093	0.020	51	46	13-107	9.24	20
1,1-Dichloroethane	0.019	0.018	0.020	96	90	69-118	5.97	20
1,2-Dichloroethane (1,2-DCA)	0.017	0.016	0.020	87	82	59-112	6.50	20
1,1-Dichloroethene	0.019	0.018	0.020	97	91	69-126	6.38	20
cis-1,2-Dichloroethene	0.019	0.018	0.020	93	88	69-116	5.90	20
trans-1,2-Dichloroethene	0.020	0.018	0.020	100	92	73-116	7.70	20
1,2-Dichloropropane	0.018	0.017	0.020	89	83	65-111	6.94	20
1,3-Dichloropropane	0.018	0.019	0.020	90	93	67-110	3.41	20
2,2-Dichloropropane	0.020	0.019	0.020	101	95	65-125	6.57	20
1,1-Dichloropropene	0.020	0.018	0.020	99	90	70-123	8.83	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.018	0.019	0.020	90	95	68-126	5.57	20
trans-1,3-Dichloropropene	0.017	0.018	0.020	87	91	69-117	5.06	20
Diisopropyl ether (DIPE)	0.017	0.016	0.020	87	82	57-110	5.03	20
Ethylbenzene	0.020	0.020	0.020	101	101	80-128	0	20
Ethyl tert-butyl ether (ETBE)	0.017	0.016	0.020	85	81	54-106	4.46	20
Freon 113	0.018	0.017	0.020	91	85	60-108	6.20	20
Hexachlorobutadiene	0.026	0.024	0.020	128	122	67-182	4.91	20
Hexachloroethane	0.021	0.021	0.020	106	105	85-156	0.804	20
2-Hexanone	0.012	0.014	0.020	61	71	37-90	15.2	20
Isopropylbenzene	0.024	0.024	0.020	119	121	64-167	2.15	20
4-Isopropyl toluene	0.024	0.023	0.020	119	114	88-167	4.53	20
Methyl-t-butyl ether (MTBE)	0.017	0.016	0.020	85	82	60-102	3.49	20
Methylene chloride	0.018	0.016	0.020	88	81	71-117	7.89	20
4-Methyl-2-pentanone (MIBK)	0.014	0.016	0.020	69	79	48-90	12.9	20
Naphthalene	0.0087	0.0087	0.020	44	43	29-65	0.232	20
n-Propyl benzene	0.025	0.024	0.020	124	120	88-161	3.38	20
Styrene	0.017	0.018	0.020	86	89	70-108	3.85	20
1,1,1,2-Tetrachloroethane	0.018	0.019	0.020	90	93	69-117	3.92	20
1,1,2,2-Tetrachloroethane	0.014	0.015	0.020	68	77	53-96	11.1	20
Tetrachloroethene	0.021	0.021	0.020	106	105	78-128	0.283	20
Toluene	0.020	0.021	0.020	100	103	78-121	3.39	20
1,2,3-Trichlorobenzene	0.011	0.011	0.020	57	55	35-80	3.34	20
1,2,4-Trichlorobenzene	0.014	0.014	0.020	72	71	46-101	0.941	20
1,1,1-Trichloroethane	0.020	0.019	0.020	100	93	69-121	7.23	20
1,1,2-Trichloroethane	0.016	0.017	0.020	82	87	64-104	5.83	20
Trichloroethene	0.020	0.018	0.020	102	92	73-118	10.7	20
Trichlorofluoromethane	0.019	0.018	0.020	94	89	31-119	5.84	20
1,2,3-Trichloropropane	0.0087	0.0096	0.010	87	96	65-107	9.80	20
1,2,4-Trimethylbenzene	0.021	0.021	0.020	106	103	80-147	2.64	20
1,3,5-Trimethylbenzene	0.023	0.022	0.020	113	112	83-156	1.25	20
Vinyl Chloride	0.0080	0.0075	0.010	80	75	40-125	6.89	20
m,p-Xylene	0.041	0.040	0.040	102	100	80-122	1.81	20
o-Xylene	0.019	0.018	0.020	93	92	79-116	0.978	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179595
Date Analyzed:	6/16/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179595

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	95	93	66-112	2.30	20
Toluene-d8	0.13	0.14	0.12	105	108	92-109	2.60	20
4-BFB	0.013	0.013	0.012	101	103	72-112	1.10	20
Benzene-d6	0.095	0.090	0.10	95	90	81-126	5.42	20
Ethylbenzene-d10	0.10	0.10	0.10	101	101	92-138	0	20
1,2-DCB-d4	0.078	0.081	0.10	78	81	68-108	3.66	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.5			1.25	119	54-131
Phenol-d5	1.2			1.25	99	52-129
Nitrobenzene-d5	1.4			1.25	112	43-127
2-Fluorobiphenyl	1.2			1.25	95	42-116
2,4,6-Tribromophenol	0.96			1.25	77	39-119
4-Terphenyl-d14	1.7			1.25	134,F3	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.9	2.9	2.5	115	117	69-130	1.25	30
1,2-Dichlorobenzene	2.4	2.3	2.5	95	92	68-114	3.05	30
1,2-Diphenylhydrazine	2.3	2.3	2.5	91	93	62-142	2.97	30
1,3-Dichlorobenzene	2.5	2.4	2.5	99	97	69-116	2.11	30
1,4-Dichlorobenzene	2.3	2.2	2.5	91	89	64-117	2.54	30
1-Methylnaphthalene	0.14	0.14	0.12	114	111	65-134	1.94	30
2,4,5-Trichlorophenol	0.14	0.12	0.12	109	96	68-150	12.7	30
2,4,6-Trichlorophenol	0.14	0.14	0.12	114	110	70-144	3.07	30
2,4-Dichlorophenol	3.1	3.0	2.5	122	119	78-144	2.49	30
2,4-Dimethylphenol	3.2	3.1	2.5	128	122	71-152	5.03	30
2,4-Dinitrophenol	0.66	0.62	0.62	105	100	1-156	4.87	30
2,4-Dinitrotoluene	0.13	0.13	0.12	108	106	68-144	1.78	30
2,6-Dinitrotoluene	0.13	0.13	0.12	107	103	69-148	4.44	30
2-Chloronaphthalene	2.8	2.7	2.5	112	110	71-133	2.48	30
2-Chlorophenol	0.13	0.12	0.12	102	97	73-133	4.33	30
2-Methylnaphthalene	0.13	0.14	0.12	100	112	72-139	11.0	30
2-Methylphenol (o-Cresol)	2.5	2.6	2.5	99	103	69-138	4.05	30
2-Nitroaniline	13	13	12.5	107	104	72-143	2.66	30
2-Nitrophenol	15	15	12.5	124	122	80-141	1.11	30
3 & 4-Methylphenol (m,p-Cresol)	2.4	2.4	2.5	97	96	69-128	1.39	30
3,3-Dichlorobenzidine	0.11	0.11	0.12	87	86	11-163	1.22	30
3-Nitroaniline	12	12	12.5	100	95	57-122	4.45	30
4,6-Dinitro-2-methylphenol	14	14	12.5	111	116	14-155	4.29	30
4-Bromophenyl Phenyl Ether	3.0	3.1	2.5	119	124	68-136	4.00	30
4-Chloro-3-methylphenol	3.2	3.1	2.5	130	123	78-149	5.34	30
4-Chloroaniline	0.11	0.11	0.12	88	88	46-130	0	30
4-Chlorophenyl Phenyl Ether	2.9	2.9	2.5	114	115	71-132	0.913	30
4-Nitroaniline	14	14	12.5	112	112	68-133	0	30
4-Nitrophenol	15	16	12.5	124	127	67-144	2.76	30
Acenaphthene	0.12	0.12	0.12	97	94	68-134	2.46	30
Acenaphthylene	0.12	0.12	0.12	99	94	65-141	4.26	30
Anthracene	0.12	0.13	0.12	97	101	65-147	3.94	30
Benzidine	3.6	3.4	12.5	29	27	7-97	5.23	30
Benzo (a) anthracene	0.11	0.11	0.12	91	92	61-136	1.18	30
Benzo (a) pyrene	0.14	0.14	0.12	113	112	59-150	0.157	30
Benzo (b) fluoranthene	0.12	0.12	0.12	94	95	43-160	1.10	30
Benzo (g,h,i) perylene	0.16	0.15	0.12	126	121	54-142	3.49	30
Benzo (k) fluoranthene	0.12	0.12	0.12	93	97	59-141	4.09	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	13	12	12.5	100	98	48-145	2.10	30
Bis (2-chloroethoxy) Methane	2.8	2.7	2.5	111	106	71-138	3.96	30
Bis (2-chloroethyl) Ether	0.095	0.10	0.12	76	83	60-128	8.00	30
Bis (2-chloroisopropyl) Ether	0.10	0.098	0.12	83	78	67-129	5.88	30
Bis (2-ethylhexyl) Adipate	2.5	2.6	2.5	99	104	56-162	4.55	30
Bis (2-ethylhexyl) Phthalate	0.13	0.13	0.12	107	107	49-168	0	30
Butylbenzyl Phthalate	0.13	0.13	0.12	102	103	57-161	0.879	30
Chrysene	0.11	0.11	0.12	85	85	58-140	0	30
Dibenzo (a,h) anthracene	0.16	0.16	0.12	129	125	57-151	3.38	30
Dibenzofuran	2.7	2.6	2.5	107	105	70-134	2.23	30
Diethyl Phthalate	0.14	0.14	0.12	110	108	67-146	1.72	30
Dimethyl Phthalate	0.13	0.13	0.12	104	101	70-135	2.32	30
Di-n-butyl Phthalate	0.13	0.14	0.12	106	109	65-147	3.22	30
Di-n-octyl Phthalate	0.14	0.15	0.12	115	118	51-175	2.82	30
Fluoranthene	0.13	0.13	0.12	102	107	66-146	5.21	30
Fluorene	0.13	0.13	0.12	106	105	72-142	1.16	30
Hexachlorobenzene	0.12	0.13	0.12	100	105	65-127	5.37	30
Hexachlorobutadiene	0.15	0.14	0.12	118	113	68-131	4.63	30
Hexachlorocyclopentadiene	14	14	12.5	108	109	38-134	1.16	30
Hexachloroethane	0.11	0.11	0.12	88	85	57-117	4.01	30
Indeno (1,2,3-cd) pyrene	0.16	0.15	0.12	128	122	57-145	4.76	30
Isophorone	2.8	2.6	2.5	110	104	69-139	6.14	30
Naphthalene	0.10	0.099	0.12	84	80	64-127	5.22	30
Nitrobenzene	2.6	2.5	2.5	104	99	66-136	4.90	30
N-Nitrosodi-n-propylamine	2.2	2.1	2.5	86	84	74-118	3.21	30
N-Nitrosodiphenylamine	2.7	2.8	2.5	107	113	67-138	5.62	30
Pentachlorophenol	0.61	0.64	0.62	97	102	50-153	4.99	30
Phenanthrene	0.12	0.12	0.12	94	98	66-129	3.55	30
Phenol	0.43	0.42	0.50	87	84	58-136	3.20	30
Pyrene	0.11	0.11	0.12	84	86	55-148	1.69	30
Pyridine	1.3	1.3	2.5	51	53	46-93	3.28	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/14/19	**BatchID:**	179622
Date Analyzed:	6/14/19 - 6/17/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179622

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.5	1.4	1.25	121	112	68-128	7.63	30
Phenol-d5	1.3	1.3	1.25	105	105	73-121	0	30
Nitrobenzene-d5	1.6	1.5	1.25	124	122	59-138	1.52	30
2-Fluorobiphenyl	1.5	1.5	1.25	122	118	59-129	3.12	30
2,4,6-Tribromophenol	1.2	1.2	1.25	95	98	46-142	3.24	30
4-Terphenyl-d14	1.5	1.6	1.25	121	124	50-143	2.22	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179592
Date Analyzed:	6/14/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179592

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.019,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	480			500	97	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179592
Date Analyzed:	6/14/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179592

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	56	54	50	112	108	75-125	3.62	20
Arsenic	52	51	50	104	102	75-125	1.89	20
Barium	540	530	500	108	105	75-125	2.66	20
Beryllium	55	53	50	109	107	75-125	2.61	20
Cadmium	53	51	50	106	102	75-125	4.09	20
Chromium	52	51	50	105	102	75-125	2.26	20
Cobalt	55	53	50	110	106	75-125	4.09	20
Copper	53	52	50	107	104	75-125	2.89	20
Lead	53	51	50	106	102	75-125	3.13	20
Mercury	1.4	1.3	1.25	108	104	75-125	4.00	20
Molybdenum	53	51	50	106	102	75-125	4.25	20
Nickel	53	51	50	106	103	75-125	3.05	20
Selenium	51	49	50	101	98	75-125	2.82	20
Silver	53	51	50	106	102	75-125	3.53	20
Thallium	53	51	50	105	103	75-125	2.54	20
Vanadium	52	51	50	104	102	75-125	2.42	20
Zinc	530	510	500	106	103	75-125	2.65	20
Surrogate Recovery								
Terbium	530	510	500	105	102	70-130	3.22	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/21/19	**BatchID:**	180127
Date Analyzed:	6/21/19	**Extraction Method:**	Kelada-01
Instrument:	WC_SKALAR	**Analytical Method:**	Kelada-01
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180127

QC Summary Report for Kelada-01

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.84	1.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	42	42	40	105	104	80-120	0.0536	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179584
Date Analyzed:	6/14/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179584

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.10,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.090			0.10	90	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.61	0.63	0.60	102	105	82-118	2.96	20
MTBE	0.088	0.082	0.10	88	82	61-119	7.14	20
Benzene	0.095	0.090	0.10	95	90	77-128	5.24	20
Toluene	0.10	0.10	0.10	101	100	74-132	1.01	20
Ethylbenzene	0.10	0.10	0.10	100	100	84-127	0	20
m,p-Xylene	0.20	0.20	0.20	101	101	80-120	0	20
o-Xylene	0.097	0.098	0.10	97	98	80-120	0.727	20
Surrogate Recovery								
2-Fluorotoluene	0.094	0.090	0.10	94	90	75-134	3.52	20

(Cont.)

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179594
Date Analyzed:	6/17/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179594

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.21,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.087			0.10	87	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.57	0.60	0.60	96	99	82-118	3.77	20
MTBE	0.10	0.092	0.10	100	92	61-119	7.77	20
Benzene	0.090	0.086	0.10	90	86	77-128	3.82	20
Toluene	0.095	0.091	0.10	95	91	74-132	4.00	20
Ethylbenzene	0.094	0.091	0.10	94	91	84-127	3.31	20
m,p-Xylene	0.19	0.19	0.20	97	94	80-120	3.21	20
o-Xylene	0.096	0.094	0.10	97	94	80-120	2.29	20
Surrogate Recovery								
2-Fluorotoluene	0.090	0.086	0.10	90	86	75-134	3.72	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906684
Date Prepared:	6/13/19	**BatchID:**	179593
Date Analyzed:	6/14/19	**Extraction Method:**	SW3550B
Instrument:	GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179593

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	93	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	43	42	40	107	105	75-128	1.95	30
Surrogate Recovery								
C9	23	23	25	92	92	72-122	0	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906684 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Grace Stafford
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
415-955-5265 FAX: (415) 955-9041
Email: gstafford@langan.com
cc/3rd Party: dsutherland@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TATs: 1 day; 5 days;

Date Received: **06/13/2019**
Date Logged: **06/13/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906684-001	Area ENW 4.5	Soil	6/13/2019 10:40	☐	A	A	A		A	A						
1906684-002	Subarea A1+A2	Water	6/13/2019 08:30	☐				A								
1906684-003	Yacht Club	Water	6/13/2019 08:10	☐				A								
1906684-004	Area E-S-2-5.0	Soil	6/12/2019 15:20	☐					A	A						
1906684-005	Area E-S-3-5.0	Soil	6/12/2019 15:25	☐					A	A						
1906684-006	Area E-S-5-5.0	Soil	6/12/2019 16:35	☐					A	A						
1906684-007	Area-E-S-1-5.0	Soil	6/12/2019 15:15	☐					A	A						

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	CN_W
5	G-MBTEX_S	6	TPH(DMO)_S	7		8	
9		10		11		12	

Prepared by: Kena Ponce

The following SampIDs: 001A, 004A, 005A, 006A, 007A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Grace Stafford
Contact's Email: gstafford@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906684
QC Level: LEVEL 2
Date Logged: 6/13/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906684-001A	Area ENW 4.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	6/13/2019 10:40	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	
1906684-002A	Subarea A1+A2	Water	Kelada-01 (Cyanide, Total)	1	250mL aHDPE w/ NaOH	☐	6/13/2019 8:30	5 days	Present	☐	
1906684-003A	Yacht Club	Water	Kelada-01 (Cyanide, Total)	1	250mL aHDPE w/ NaOH	☐	6/13/2019 8:10	5 days	Present	☐	
1906684-004A	Area E-S-2-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	6/12/2019 15:20	5 days		☐	
1906684-005A	Area E-S-3-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	6/12/2019 15:25	5 days		☐	
1906684-006A	Area E-S-5-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	6/12/2019 16:35	5 days		☐	
1906684-007A	Area-E-S-1-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	6/12/2019 15:15	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

RUSH

MAI Work Order # 19066684

McCAMPBELL ANALYTICAL, INC.

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush	X	2 Day Rush		3 Day Rush		STD	X	Quote #				
J-Flag / MDL		ESL		Cleanup Approved			Dry Weight		Bottle Order #				
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		Detect Summary				

Report To: Grace Stafford / Dustine Sol Bill To: Grace Stafford
Company: Langan
Address: 135 Main Street, SF, CA 94105 Suite 1500
Email: gstafford@langan.com Tele: 4159555265
Project Name: 1548 Maple Street Project #: 731685405
Project Location: Redwood City PO #
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Cyanide	TPHg, d
Area E NW 4.5	6/13/19	1040	1	Soil	—	X									X	X		X	PRODUCT ! !				
Subarea A1+A2	6/13/19	0830	2	Water	NaOH																	X	
Yacht Club	6/13/19	910	1	Water	NaOH																	X	
Area E-5-4-5.0	DISPOSE																						
Area E-5-2-5.0	6/12/19	1520	1	Soil																			X
Area E-5-3-5.0	6/12/19	1525	1	Soil																			X
Area-E-5-5-5.0	6/12/19	1635	1	Soil																			X
Area-E-5-1-5.0	6/12/19	1515		Soil																			X

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions
1) 24 HR- RUSH sample
Area E NW 4.5, remainder standard

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Grace Stafford Langan	6/13/19	1220		6/13/19	1220
	6/13/19	1925		6/13/19	1925

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 2.2 °C Initials

Page ___ of ___

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/13/2019 19:25**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/13/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1906684** Matrix: Soil/Water	Logged by:	Kena Ponce
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1907126 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 07/02/2019

Analytical Report reviewed & approved for release on 07/09/2019 by:

Jennifer Lagerbom
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1907126 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	CA Title 22
Date Prepared:	7/3/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**ICP-MS1 036SMPL.D**	**180934**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.13**	0.10	1	07/09/2019 00:39

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180934
Date Analyzed:	7/5/19 - 7/8/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180934

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.8	10	10	98	100	75-125	1.21	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907126 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
415-955-5265 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 07/02/2019
Date Logged: 07/02/2019
Date Add-On: 07/08/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907126-001	Yacht Club Stockpile	Soil	7/1/2019 09:05	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC Cr added 7/8/19 Rush TAT

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments: STLC Cr added 7/8/19 Rush TAT

Work Order: 1907126
QC Level: LEVEL 2
Date Logged: 7/2/2019
Date Add-On: 7/8/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907126-001A	Yacht Club Stockpile	Soil	SW6020 (Chromium) (STLC)	1	Stainless Steel tube 2"x6"	7/1/2019 9:05	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

12845 1907126

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

- [X] 555 Montgomery Street, Suite 1300, San Francisco, CA 94111 (135 Main 1500 94105)
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street Development
Job Number: 731685405
Project Manager\Contact: Dustine Sutherland, Rob Miland
Samplers: Rob Milgate
Recorder (Signature Required):

Turnaround Time: 72 Hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-d, -mo	VOCs	SVOCs	CAM 17		STLC Cr							Silica gel clean-up	Hold	Remarks
Yacht Club Stockpile	7-1-19	0905		X							X		X	X	X	X		X								
																										Please begin STLC & TCLP extractions

Relinquished by: (Signature)	Date: 7-2-19	Time: 1000	Received by: (Signature) CAP
Relinquished by: (Signature) CAP	Date: 7/2/19	Time: 1515	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

Received by: (Signature) CAP	Date 7/2/19	Time 1000	
Received by: (Signature)	Date 7/2/19	Time 1515	3.3°C
Received by Lab: (Signature)	Date	Time	

Sent to Laboratory (Name): McCampbell
Laboratory Comments/Notes: added 7/8/19 1 day TAT

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1907126

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 07/02/2019

Analytical Report reviewed & approved for release on 07/08/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1907126

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1907126

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
c2	Surrogate recovery outside of the control limits due to matrix interference.
c12	Surrogate recovery outside of the control limits.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/2/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	1907126-001A	Soil	07/01/2019 09:05	GC16 07051907.D	180834

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/05/2019 10:29
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/05/2019 10:29
Benzene	ND	0.0050	1	07/05/2019 10:29
Bromobenzene	ND	0.0050	1	07/05/2019 10:29
Bromochloromethane	ND	0.0050	1	07/05/2019 10:29
Bromodichloromethane	ND	0.0050	1	07/05/2019 10:29
Bromoform	ND	0.0050	1	07/05/2019 10:29
Bromomethane	ND	0.0050	1	07/05/2019 10:29
2-Butanone (MEK)	ND	0.050	1	07/05/2019 10:29
t-Butyl alcohol (TBA)	ND	0.050	1	07/05/2019 10:29
n-Butyl benzene	ND	0.0050	1	07/05/2019 10:29
sec-Butyl benzene	ND	0.0050	1	07/05/2019 10:29
tert-Butyl benzene	ND	0.0050	1	07/05/2019 10:29
Carbon Disulfide	ND	0.0050	1	07/05/2019 10:29
Carbon Tetrachloride	ND	0.0050	1	07/05/2019 10:29
Chlorobenzene	ND	0.0050	1	07/05/2019 10:29
Chloroethane	ND	0.0050	1	07/05/2019 10:29
Chloroform	ND	0.0050	1	07/05/2019 10:29
Chloromethane	ND	0.0050	1	07/05/2019 10:29
2-Chlorotoluene	ND	0.0050	1	07/05/2019 10:29
4-Chlorotoluene	ND	0.0050	1	07/05/2019 10:29
Dibromochloromethane	ND	0.0050	1	07/05/2019 10:29
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/05/2019 10:29
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/05/2019 10:29
Dibromomethane	ND	0.0050	1	07/05/2019 10:29
1,2-Dichlorobenzene	ND	0.0050	1	07/05/2019 10:29
1,3-Dichlorobenzene	ND	0.0050	1	07/05/2019 10:29
1,4-Dichlorobenzene	ND	0.0050	1	07/05/2019 10:29
Dichlorodifluoromethane	ND	0.0050	1	07/05/2019 10:29
1,1-Dichloroethane	ND	0.0050	1	07/05/2019 10:29
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/05/2019 10:29
1,1-Dichloroethene	ND	0.0050	1	07/05/2019 10:29
cis-1,2-Dichloroethene	ND	0.0050	1	07/05/2019 10:29
trans-1,2-Dichloroethene	ND	0.0050	1	07/05/2019 10:29
1,2-Dichloropropane	ND	0.0050	1	07/05/2019 10:29
1,3-Dichloropropane	ND	0.0050	1	07/05/2019 10:29
2,2-Dichloropropane	ND	0.0050	1	07/05/2019 10:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/2/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**GC16 07051907.D**	**180834**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/05/2019 10:29
cis-1,3-Dichloropropene	ND	0.0050	1	07/05/2019 10:29
trans-1,3-Dichloropropene	ND	0.0050	1	07/05/2019 10:29
Diisopropyl ether (DIPE)	ND	0.0050	1	07/05/2019 10:29
Ethylbenzene	ND	0.0050	1	07/05/2019 10:29
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/05/2019 10:29
Freon 113	ND	0.0050	1	07/05/2019 10:29
Hexachlorobutadiene	ND	0.0050	1	07/05/2019 10:29
Hexachloroethane	ND	0.0050	1	07/05/2019 10:29
2-Hexanone	ND	0.0050	1	07/05/2019 10:29
Isopropylbenzene	ND	0.0050	1	07/05/2019 10:29
4-Isopropyl toluene	ND	0.0050	1	07/05/2019 10:29
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/05/2019 10:29
Methylene chloride	ND	0.020	1	07/05/2019 10:29
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/05/2019 10:29
Naphthalene	ND	0.0050	1	07/05/2019 10:29
n-Propyl benzene	ND	0.0050	1	07/05/2019 10:29
Styrene	ND	0.0050	1	07/05/2019 10:29
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/05/2019 10:29
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/05/2019 10:29
Tetrachloroethene	ND	0.0050	1	07/05/2019 10:29
Toluene	ND	0.0050	1	07/05/2019 10:29
1,2,3-Trichlorobenzene	ND	0.0050	1	07/05/2019 10:29
1,2,4-Trichlorobenzene	ND	0.0050	1	07/05/2019 10:29
1,1,1-Trichloroethane	ND	0.0050	1	07/05/2019 10:29
1,1,2-Trichloroethane	ND	0.0050	1	07/05/2019 10:29
Trichloroethene	ND	0.0050	1	07/05/2019 10:29
Trichlorofluoromethane	ND	0.0050	1	07/05/2019 10:29
1,2,3-Trichloropropane	ND	0.0050	1	07/05/2019 10:29
1,2,4-Trimethylbenzene	ND	0.0050	1	07/05/2019 10:29
1,3,5-Trimethylbenzene	ND	0.0050	1	07/05/2019 10:29
Vinyl Chloride	ND	0.0050	1	07/05/2019 10:29
m,p-Xylene	ND	0.0050	1	07/05/2019 10:29
o-Xylene	ND	0.0050	1	07/05/2019 10:29
Xylenes, Total	ND	0.0050	1	07/05/2019 10:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/2/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**GC16 07051907.D**	**180834**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**		
Dibromofluoromethane	92		66-116		07/05/2019 10:29
Toluene-d8	106		86-110		07/05/2019 10:29
4-BFB	79		71-114		07/05/2019 10:29
Benzene-d6	73		62-122		07/05/2019 10:29
Ethylbenzene-d10	82		69-130		07/05/2019 10:29
1,2-DCB-d4	52	S	55-108		07/05/2019 10:29

Analyst(s): TK Analytical Comments: c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/3/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**GC17 07031930.D**	**180875**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**0.019**	0.010	1	07/03/2019 23:13
Acenaphthylene	ND	0.010	1	07/03/2019 23:13
Acetochlor	ND	2.0	1	07/03/2019 23:13
Anthracene	**0.015**	0.010	1	07/03/2019 23:13
Benzidine	ND	10	1	07/03/2019 23:13
Benzo (a) anthracene	**0.059**	0.040	1	07/03/2019 23:13
Benzo (a) pyrene	ND	0.020	1	07/03/2019 23:13
Benzo (b) fluoranthene	ND	0.010	1	07/03/2019 23:13
Benzo (g,h,i) perylene	ND	0.020	1	07/03/2019 23:13
Benzo (k) fluoranthene	ND	0.010	1	07/03/2019 23:13
Benzyl Alcohol	ND	10	1	07/03/2019 23:13
1,1-Biphenyl	ND	0.10	1	07/03/2019 23:13
Bis (2-chloroethoxy) Methane	ND	2.0	1	07/03/2019 23:13
Bis (2-chloroethyl) Ether	ND	0.020	1	07/03/2019 23:13
Bis (2-chloroisopropyl) Ether	ND	0.020	1	07/03/2019 23:13
Bis (2-ethylhexyl) Adipate	ND	4.0	1	07/03/2019 23:13
Bis (2-ethylhexyl) Phthalate	ND	0.040	1	07/03/2019 23:13
4-Bromophenyl Phenyl Ether	ND	2.0	1	07/03/2019 23:13
Butylbenzyl Phthalate	ND	0.20	1	07/03/2019 23:13
4-Chloroaniline	ND	0.020	1	07/03/2019 23:13
4-Chloro-3-methylphenol	ND	2.0	1	07/03/2019 23:13
2-Chloronaphthalene	ND	2.0	1	07/03/2019 23:13
2-Chlorophenol	ND	0.040	1	07/03/2019 23:13
4-Chlorophenyl Phenyl Ether	ND	2.0	1	07/03/2019 23:13
Chrysene	ND	0.020	1	07/03/2019 23:13
Dibenzo (a,h) anthracene	ND	0.020	1	07/03/2019 23:13
Dibenzofuran	ND	2.0	1	07/03/2019 23:13
Di-n-butyl Phthalate	ND	0.020	1	07/03/2019 23:13
1,2-Dichlorobenzene	ND	2.0	1	07/03/2019 23:13
1,3-Dichlorobenzene	ND	2.0	1	07/03/2019 23:13
1,4-Dichlorobenzene	ND	2.0	1	07/03/2019 23:13
3,3-Dichlorobenzidine	ND	0.020	1	07/03/2019 23:13
2,4-Dichlorophenol	ND	0.10	1	07/03/2019 23:13
Diethyl Phthalate	ND	0.040	1	07/03/2019 23:13
2,4-Dimethylphenol	ND	2.0	1	07/03/2019 23:13
Dimethyl Phthalate	ND	0.020	1	07/03/2019 23:13
4,6-Dinitro-2-methylphenol	ND	10	1	07/03/2019 23:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/3/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	1907126-001A	Soil	07/01/2019 09:05	GC17 07031930.D	180875

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1.0	1	07/03/2019 23:13
2,4-Dinitrotoluene	ND	0.050	1	07/03/2019 23:13
2,6-Dinitrotoluene	ND	0.020	1	07/03/2019 23:13
Di-n-octyl Phthalate	ND	0.040	1	07/03/2019 23:13
1,2-Diphenylhydrazine	ND	2.0	1	07/03/2019 23:13
Fluoranthene	ND	0.010	1	07/03/2019 23:13
Fluorene	**0.033**	0.020	1	07/03/2019 23:13
Hexachlorobenzene	ND	0.010	1	07/03/2019 23:13
Hexachlorobutadiene	ND	0.020	1	07/03/2019 23:13
Hexachlorocyclopentadiene	ND	16	1	07/03/2019 23:13
Hexachloroethane	ND	0.020	1	07/03/2019 23:13
Indeno (1,2,3-cd) pyrene	ND	0.020	1	07/03/2019 23:13
Isophorone	ND	2.0	1	07/03/2019 23:13
1-Methylnaphthalene	**0.071**	0.010	1	07/03/2019 23:13
2-Methylnaphthalene	**0.030**	0.020	1	07/03/2019 23:13
2-Methylphenol (o-Cresol)	ND	4.0	1	07/03/2019 23:13
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	07/03/2019 23:13
Naphthalene	ND	0.010	1	07/03/2019 23:13
2-Nitroaniline	ND	10	1	07/03/2019 23:13
3-Nitroaniline	ND	10	1	07/03/2019 23:13
4-Nitroaniline	ND	10	1	07/03/2019 23:13
Nitrobenzene	ND	2.0	1	07/03/2019 23:13
2-Nitrophenol	ND	10	1	07/03/2019 23:13
4-Nitrophenol	ND	10	1	07/03/2019 23:13
N-Nitrosodiphenylamine	ND	2.0	1	07/03/2019 23:13
N-Nitrosodi-n-propylamine	ND	2.0	1	07/03/2019 23:13
Pentachlorophenol	ND	0.25	1	07/03/2019 23:13
Phenanthrene	**0.071**	0.040	1	07/03/2019 23:13
Phenol	ND	0.040	1	07/03/2019 23:13
Pyrene	**0.048**	0.020	1	07/03/2019 23:13
Pyridine	ND	2.0	1	07/03/2019 23:13
1,2,4-Trichlorobenzene	ND	2.0	1	07/03/2019 23:13
2,4,5-Trichlorophenol	ND	0.020	1	07/03/2019 23:13
2,4,6-Trichlorophenol	ND	0.10	1	07/03/2019 23:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/3/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	1907126-001A	Soil	07/01/2019 09:05	GC17 07031930.D	180875

Analytes	Result		RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**		
2-Fluorophenol	59		56-152		07/03/2019 23:13
Phenol-d5	52	S	54-146		07/03/2019 23:13
Nitrobenzene-d5	50		47-147		07/03/2019 23:13
2-Fluorobiphenyl	50		46-141		07/03/2019 23:13
2,4,6-Tribromophenol	29		25-166		07/03/2019 23:13
4-Terphenyl-d14	52		39-153		07/03/2019 23:13

Analyst(s): REB Analytical Comments: a4,c2

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW3050B
Date Prepared:	7/2/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	1907126-001A	Soil	07/01/2019 09:05	ICP-MS1 051SMPL.D	180844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.65**		0.50	1	07/03/2019 14:46
Arsenic	**13**		0.50	1	07/03/2019 14:46
Barium	**300**		5.0	1	07/03/2019 14:46
Beryllium	ND		0.50	1	07/03/2019 14:46
Cadmium	**0.35**		0.25	1	07/03/2019 14:46
Chromium	**57**		0.50	1	07/03/2019 14:46
Cobalt	**13**		0.50	1	07/03/2019 14:46
Copper	**46**		0.50	1	07/03/2019 14:46
Lead	**21**		0.50	1	07/03/2019 14:46
Mercury	**1.0**	B	0.050	1	07/03/2019 14:46
Molybdenum	**3.8**		0.50	1	07/03/2019 14:46
Nickel	**65**		0.50	1	07/03/2019 14:46
Selenium	ND		0.50	1	07/03/2019 14:46
Silver	ND		0.50	1	07/03/2019 14:46
Thallium	ND		0.50	1	07/03/2019 14:46
Vanadium	**58**		0.50	1	07/03/2019 14:46
Zinc	**83**		5.0	1	07/03/2019 14:46

Surrogates	REC (%)	Limits	
Terbium	121	70-130	07/03/2019 14:46

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW5035
Date Prepared:	7/2/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**GC19 07061970.D**	**180846**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.4**	B	1.0	1	07/07/2019 23:28
MTBE	---		0.050	1	07/07/2019 23:28
Benzene	---		0.0050	1	07/07/2019 23:28
Toluene	---		0.0050	1	07/07/2019 23:28
Ethylbenzene	---		0.0050	1	07/07/2019 23:28
m,p-Xylene	---		0.010	1	07/07/2019 23:28
o-Xylene	---		0.0050	1	07/07/2019 23:28
Xylenes	---		0.0050	1	07/07/2019 23:28

Surrogates	REC (%)	Limits	
aaa-TFT	103	72-123	07/07/2019 23:28

Analyst(s): IA

Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907126
Date Received:	7/2/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/2/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club Stockpile	**1907126-001A**	**Soil**	**07/01/2019 09:05**	**GC9b 07051915.D**	**180843**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**200**	5.0	5	07/05/2019 14:19
TPH-Motor Oil (C18-C36)	**360**	25	5	07/05/2019 14:19

Surrogates	REC (%)	Limits	
C9	94	74-123	07/05/2019 14:19

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	0.0010,J	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.11			0.12	91	66-112
Toluene-d8	0.11			0.12	91,F3	92-109
4-BFB	0.011			0.012	84	72-112
Benzene-d6	0.097			0.10	97	81-126
Ethylbenzene-d10	0.11			0.10	114	92-138
1,2-DCB-d4	0.080			0.10	80	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.25	0.26	0.20	127	130, F2	59-127	1.89	20
tert-Amyl methyl ether (TAME)	0.018	0.018	0.020	92	92	54-98	0	20
Benzene	0.021	0.022	0.020	106	108	71-115	2.58	20
Bromobenzene	0.017	0.018	0.020	87	88	69-120	2.02	20
Bromochloromethane	0.019	0.020	0.020	95	99	63-117	5.13	20
Bromodichloromethane	0.020	0.020	0.020	98	101	61-109	3.15	20
Bromoform	0.013	0.013	0.020	65	63	46-87	1.63	20
Bromomethane	0.021	0.023	0.020	104	117	22-195	11.9	20
2-Butanone (MEK)	0.087	0.093	0.080	108	116	53-124	7.06	20
t-Butyl alcohol (TBA)	0.079	0.080	0.080	98	100	29-142	1.83	20
n-Butyl benzene	0.029	0.031	0.020	144	155	102-169	7.47	20
sec-Butyl benzene	0.028	0.030	0.020	140	148	100-166	5.19	20
tert-Butyl benzene	0.023	0.024	0.020	117	121	91-153	3.36	20
Carbon Disulfide	0.020	0.023	0.020	102	114	60-125	10.7	20
Carbon Tetrachloride	0.020	0.022	0.020	102	108	69-124	5.54	20
Chlorobenzene	0.019	0.019	0.020	93	93	73-116	0	20
Chloroethane	0.021	0.024	0.020	107	118	47-140	10.3	20
Chloroform	0.021	0.023	0.020	106	115	69-118	8.08	20
Chloromethane	0.019	0.021	0.020	96	107	30-132	10.1	20
2-Chlorotoluene	0.022	0.023	0.020	109	114	75-147	4.70	20
4-Chlorotoluene	0.020	0.022	0.020	102	108	75-137	5.34	20
Dibromochloromethane	0.015	0.015	0.020	76	77	57-105	0.708	20
1,2-Dibromo-3-chloropropane	0.0062	0.0063	0.010	62	63	36-103	0.898	20
1,2-Dibromoethane (EDB)	0.0085	0.0085	0.010	85	85	66-101	0	20
Dibromomethane	0.019	0.020	0.020	94	99	61-103	5.19	20
1,2-Dichlorobenzene	0.015	0.016	0.020	76	79	59-104	4.20	20
1,3-Dichlorobenzene	0.019	0.020	0.020	94	99	70-133	4.40	20
1,4-Dichlorobenzene	0.018	0.018	0.020	89	92	68-123	3.36	20
Dichlorodifluoromethane	0.011	0.013	0.020	54	63	13-107	15.7	20
1,1-Dichloroethane	0.021	0.024	0.020	107	121, F2	69-118	12.1	20
1,2-Dichloroethane (1,2-DCA)	0.021	0.022	0.020	106	112	59-112	5.73	20
1,1-Dichloroethene	0.020	0.023	0.020	100	117	69-126	16.0	20
cis-1,2-Dichloroethene	0.020	0.022	0.020	101	112	69-116	9.78	20
trans-1,2-Dichloroethene	0.021	0.024	0.020	104	118, F2	73-116	12.8	20
1,2-Dichloropropane	0.021	0.022	0.020	107	110	65-111	2.30	20
1,3-Dichloropropane	0.019	0.019	0.020	95	97	67-110	1.22	20
2,2-Dichloropropane	0.022	0.024	0.020	111	119	65-125	6.92	20
1,1-Dichloropropene	0.022	0.023	0.020	110	115	70-123	4.34	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.020	0.020	0.020	98	101	68-126	3.02	20
trans-1,3-Dichloropropene	0.020	0.020	0.020	99	102	69-117	3.12	20
Diisopropyl ether (DIPE)	0.021	0.022	0.020	106	109	57-110	2.61	20
Ethylbenzene	0.021	0.022	0.020	107	109	80-128	1.94	20
Ethyl tert-butyl ether (ETBE)	0.020	0.021	0.020	100	103	54-106	2.84	20
Freon 113	0.019	0.021	0.020	93	107	60-108	14.1	20
Hexachlorobutadiene	0.023	0.024	0.020	115	121	67-182	4.72	20
Hexachloroethane	0.022	0.023	0.020	108	113	85-156	3.95	20
2-Hexanone	0.017	0.016	0.020	83	81	37-90	2.34	20
Isopropylbenzene	0.024	0.025	0.020	120	126	64-167	4.50	20
4-Isopropyl toluene	0.024	0.026	0.020	122	129	88-167	5.40	20
Methyl-t-butyl ether (MTBE)	0.020	0.021	0.020	101	105, F2	60-102	4.16	20
Methylene chloride	0.021	0.022	0.020	103	108	71-117	5.37	20
4-Methyl-2-pentanone (MIBK)	0.017	0.017	0.020	84	84	48-90	0	20
Naphthalene	0.0062	0.0067	0.020	31	34	29-65	7.83	20
n-Propyl benzene	0.024	0.025	0.020	120	127	88-161	5.58	20
Styrene	0.017	0.017	0.020	86	86	70-108	0	20
1,1,1,2-Tetrachloroethane	0.018	0.018	0.020	88	89	69-117	0.971	20
1,1,2,2-Tetrachloroethane	0.015	0.014	0.020	73	70	53-96	5.08	20
Tetrachloroethene	0.020	0.021	0.020	102	103	78-128	1.40	20
Toluene	0.020	0.021	0.020	102	104	78-121	1.50	20
1,2,3-Trichlorobenzene	0.0096	0.0098	0.020	48	49	35-80	1.98	20
1,2,4-Trichlorobenzene	0.013	0.013	0.020	64	67	46-101	4.13	20
1,1,1-Trichloroethane	0.021	0.022	0.020	105	111	69-121	6.21	20
1,1,2-Trichloroethane	0.018	0.018	0.020	91	92	64-104	1.40	20
Trichloroethene	0.021	0.022	0.020	103	112	73-118	8.23	20
Trichlorofluoromethane	0.019	0.023	0.020	93	113	31-119	18.9	20
1,2,3-Trichloropropane	0.0093	0.0095	0.010	93	95	65-107	2.08	20
1,2,4-Trimethylbenzene	0.022	0.023	0.020	109	117	80-147	7.02	20
1,3,5-Trimethylbenzene	0.023	0.025	0.020	115	123	83-156	6.72	20
Vinyl Chloride	0.0097	0.011	0.010	97	114	40-125	16.1	20
m,p-Xylene	0.039	0.040	0.040	99	100	80-122	1.20	20
o-Xylene	0.021	0.021	0.020	104	105	79-116	0.885	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180834
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180834

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.12	0.12	89	93	66-112	4.73	20
Toluene-d8	0.11	0.11	0.12	88, F3	90, F3	92-109	1.69	20
4-BFB	0.010	0.010	0.012	81	84	72-112	3.32	20
Benzene-d6	0.10	0.11	0.10	104	106	81-126	2.25	20
Ethylbenzene-d10	0.12	0.12	0.10	123	123	92-138	0	20
1,2-DCB-d4	0.081	0.085	0.10	81	85	68-108	4.94	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.6			1.25	125	54-131
Phenol-d5	1.6			1.25	124	52-129
Nitrobenzene-d5	1.5			1.25	121	43-127
2-Fluorobiphenyl	1.2			1.25	98	42-116
2,4,6-Tribromophenol	1.3			1.25	101	39-119
4-Terphenyl-d14	1.4			1.25	109	36-118

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.5	2.5	2.5	99	100	69-130	0.977	30
1,2-Dichlorobenzene	2.1	2.1	2.5	84	83	68-114	1.37	30
1,2-Diphenylhydrazine	2.3	2.4	2.5	94	94	62-142	0	30
1,3-Dichlorobenzene	2.1	2.1	2.5	86	84	69-116	2.37	30
1,4-Dichlorobenzene	2.0	2.0	2.5	81	79	64-117	3.17	30
1-Methylnaphthalene	0.13	0.13	0.12	105	103	65-134	2.49	30
2,4,5-Trichlorophenol	0.12	0.12	0.12	100	100	68-150	0	30
2,4,6-Trichlorophenol	0.12	0.12	0.12	97	97	70-144	0	30
2,4-Dichlorophenol	2.6	2.5	2.5	102	100	78-144	2.29	30
2,4-Dimethylphenol	2.7	2.6	2.5	106	104	71-152	2.70	30
2,4-Dinitrophenol	0.56	0.55	0.62	90	88	1-156	1.60	30
2,4-Dinitrotoluene	0.15	0.15	0.12	119	118	68-144	0.417	30
2,6-Dinitrotoluene	0.14	0.14	0.12	115	115	69-148	0	30
2-Chloronaphthalene	2.2	2.3	2.5	90	91	71-133	1.93	30
2-Chlorophenol	0.13	0.12	0.12	103	100	73-133	3.25	30
2-Methylnaphthalene	0.14	0.13	0.12	109	105	72-139	3.17	30
2-Methylphenol (o-Cresol)	2.7	2.6	2.5	107	106	69-138	1.50	30
2-Nitroaniline	13	13	12.5	102	101	72-143	0.970	30
2-Nitrophenol	14	14	12.5	112	110	80-141	1.41	30
3 & 4-Methylphenol (m,p-Cresol)	2.6	2.5	2.5	105	100	69-128	4.74	30
3,3-Dichlorobenzidine	0.084	0.085	0.12	67	68	11-163	1.00	30
3-Nitroaniline	10	10	12.5	82	82	57-122	0	30
4,6-Dinitro-2-methylphenol	12	13	12.5	100	101	14-155	1.23	30
4-Bromophenyl Phenyl Ether	2.4	2.4	2.5	94	98	68-136	3.51	30
4-Chloro-3-methylphenol	2.8	2.7	2.5	112	107	78-149	4.12	30
4-Chloroaniline	0.10	0.10	0.12	84	82	46-130	1.52	30
4-Chlorophenyl Phenyl Ether	2.2	2.2	2.5	86	87	71-132	1.11	30
4-Nitroaniline	11	11	12.5	90	89	68-133	0.896	30
4-Nitrophenol	11	11	12.5	90	89	67-144	2.06	30
Acenaphthene	0.12	0.12	0.12	92	92	68-134	0	30
Acenaphthylene	0.12	0.12	0.12	93	93	65-141	0	30
Anthracene	0.12	0.12	0.12	95	95	65-147	0	30
Benzidine	4.5	4.3	12.5	36	35	7-97	3.25	30
Benzo (a) anthracene	0.11	0.11	0.12	89	88	61-136	1.88	30
Benzo (a) pyrene	0.12	0.12	0.12	97	96	59-150	0.895	30
Benzo (b) fluoranthene	0.11	0.11	0.12	88	88	43-160	0	30
Benzo (g,h,i) perylene	0.10	0.11	0.12	84	85	54-142	0.862	30
Benzo (k) fluoranthene	0.12	0.11	0.12	93	91	59-141	2.04	30

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	12	11	12.5	93	87	48-145	6.31	30
Bis (2-chloroethoxy) Methane	2.4	2.4	2.5	97	95	71-138	2.00	30
Bis (2-chloroethyl) Ether	0.11	0.11	0.12	92	89	60-128	3.41	30
Bis (2-chloroisopropyl) Ether	0.13	0.13	0.12	105	102	67-129	2.65	30
Bis (2-ethylhexyl) Adipate	2.4	2.4	2.5	98	95	56-162	2.88	30
Bis (2-ethylhexyl) Phthalate	0.13	0.13	0.12	106	101	49-168	4.38	30
Butylbenzyl Phthalate	0.13	0.13	0.12	106	104	57-161	2.46	30
Chrysene	0.12	0.12	0.12	94	92	58-140	2.18	30
Dibenzo (a,h) anthracene	0.11	0.11	0.12	91	92	57-151	0.291	30
Dibenzofuran	2.2	2.2	2.5	88	87	70-134	0.584	30
Diethyl Phthalate	0.13	0.13	0.12	102	100	67-146	1.87	30
Dimethyl Phthalate	0.12	0.12	0.12	97	96	70-135	0.383	30
Di-n-butyl Phthalate	0.12	0.12	0.12	98	98	65-147	0	30
Di-n-octyl Phthalate	0.13	0.12	0.12	107	99	51-175	7.87	30
Fluoranthene	0.12	0.12	0.12	95	95	66-146	0	30
Fluorene	0.12	0.12	0.12	97	98	72-142	1.49	30
Hexachlorobenzene	0.11	0.11	0.12	85	87	65-127	2.82	30
Hexachlorobutadiene	0.12	0.12	0.12	97	97	68-131	0	30
Hexachlorocyclopentadiene	9.9	10	12.5	79	81	38-134	2.46	30
Hexachloroethane	0.11	0.11	0.12	91	90	57-117	1.61	30
Indeno (1,2,3-cd) pyrene	0.11	0.11	0.12	88	89	57-145	0.924	30
Isophorone	2.5	2.4	2.5	99	96	69-139	3.58	30
Naphthalene	0.099	0.098	0.12	79	79	64-127	0	30
Nitrobenzene	2.7	2.7	2.5	108	106	66-136	1.67	30
N-Nitrosodi-n-propylamine	2.3	2.2	2.5	91	88	74-118	4.13	30
N-Nitrosodiphenylamine	2.2	2.2	2.5	87	87	67-138	0	30
Pentachlorophenol	0.58	0.57	0.62	93	92	50-153	0.881	30
Phenanthrene	0.11	0.11	0.12	88	88	66-129	0	30
Phenol	0.45	0.43	0.50	91	87	58-136	4.58	30
Pyrene	0.12	0.12	0.12	99	97	55-148	1.35	30
Pyridine	1.1	1.0	2.5	43, F2	41, F2	46-93	4.91	30

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/3/19	**BatchID:**	180875
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180875

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.2	1.3	1.25	98	101	68-128	2.86	30
Phenol-d5	1.2	1.3	1.25	100	102	73-121	2.62	30
Nitrobenzene-d5	1.4	1.4	1.25	109	115	59-138	4.96	30
2-Fluorobiphenyl	1.1	1.2	1.25	88	94	59-129	6.81	30
2,4,6-Tribromophenol	1.1	1.2	1.25	89	95	46-142	6.77	30
4-Terphenyl-d14	1.3	1.3	1.25	102	107	50-143	5.16	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180844
Date Analyzed:	7/3/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180844

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.018,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	510			500	101	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180844
Date Analyzed:	7/3/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180844

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	50	50	50	101	101	75-125	0	20
Arsenic	54	54	50	108	108	75-125	0	20
Barium	560	560	500	112	112	75-125	0	20
Beryllium	53	53	50	106	106	75-125	0	20
Cadmium	54	53	50	107	107	75-125	0	20
Chromium	54	54	50	108	107	75-125	0.834	20
Cobalt	53	52	50	105	103	75-125	1.92	20
Copper	53	53	50	107	106	75-125	0.301	20
Lead	52	52	50	104	105	75-125	0.824	20
Mercury	1.3	1.3	1.25	104	106	75-125	2.43	20
Molybdenum	50	50	50	101	100	75-125	0.179	20
Nickel	53	53	50	106	107	75-125	0.544	20
Selenium	52	53	50	104	105	75-125	1.05	20
Silver	50	50	50	100	100	75-125	0	20
Thallium	50	51	50	101	101	75-125	0	20
Vanadium	54	54	50	109	109	75-125	0	20
Zinc	530	530	500	106	105	75-125	0.757	20
Surrogate Recovery								
Terbium	530	540	500	107	107	70-130	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180846
Date Analyzed:	7/5/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180846

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.18,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.092			0.10	92	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.61	0.59	0.60	101	98	82-118	3.27	20
MTBE	0.087	0.087	0.10	87	87	61-119	0	20
Benzene	0.093	0.094	0.10	93	94	77-128	0.648	20
Toluene	0.097	0.097	0.10	97	97	74-132	0	20
Ethylbenzene	0.096	0.097	0.10	96	97	84-127	0.252	20
m,p-Xylene	0.19	0.20	0.20	97	98	80-120	1.01	20
o-Xylene	0.094	0.095	0.10	94	95	80-120	1.47	20
Surrogate Recovery								
2-Fluorotoluene	0.091	0.090	0.10	91	90	75-134	1.12	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907126
Date Prepared:	7/2/19	**BatchID:**	180843
Date Analyzed:	7/3/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180843

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	25			25	99	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41	40	40	104	99	75-128	4.61	30
Surrogate Recovery								
C9	24	24	25	95	97	72-122	2.48	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907126 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 3 days;

Date Received: **07/02/2019**
Date Logged: **07/02/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907126-001	Yacht Club Stockpile	Soil	7/1/2019 09:05	☐	A	A	A	A	A	A	A					

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	STLC_MSEXTRACTONLY	6	TCLP_MSEXTRACTONLY	7	TPH(DMO)_S	8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampID: 001A contains testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments

Work Order: 1907126
QC Level: LEVEL 2
Date Logged: 7/2/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907126-001A	Yacht Club Stockpile	Soil	TCLP (rotated) Extraction Only	1	Stainless Steel tube 2"x6"	☐	7/1/2019 9:05	3 days*		☐	
			STLC (rotated) Extraction Only			☐		3 days*		☐	
			Multi-Range TPH			☐		3 days		☐	
			SW6020 (CAM 17)			☐		3 days		☐	
			SW8270C (SVOCs)			☐		3 days		☐	
			SW8260B (VOCs)			☐		3 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

12845 1907126

LANGAN

CHAIN OF CUSTODY RECORD

- [x] ~~555 Montgomery Street, Suite 1300, San Francisco, CA 94111~~ 135 Main 1500 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street Development
Job Number: 231685405
Project Manager\Contact: Dustine Sutherland, Rob Miland
Samplers: Rob Miland
Recorder (Signature Required):

Turnaround Time: 72 Hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g,mo	VOCs	SVOCs	CAM 17																Silica gel clean-up	Hold	Remarks
Yacht Club Stockpile	7-1-19	0905		X							X		X	X	X	X															Please begin STLC & TCLP extractions

Relinquished by: (Signature)	Date: 7-2-19	Time: 1000	Received by: (Signature)	Date 7/2/19 Time 1000
Relinquished by: (Signature)	Date: 7/2/19	Time 1515	Received by: (Signature)	Date 7/2/19 Time 1515 3.3°
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**7/2/2019 15:25**
Project:	**731685405; 1548 Maple Street Development**	Date Logged:	**7/2/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1907126** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 3.3°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907218

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907218

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a1	Sample diluted due to matrix interference
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW3510C
Date Prepared:	7/3/19	**Analytical Method:**	SW8082
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001I**	**Water**	**07/03/2019 07:38**	**GC20 07051911.D**	**180946**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	07/05/2019 15:44
Aroclor1221	ND	0.50	1	07/05/2019 15:44
Aroclor1232	ND	0.50	1	07/05/2019 15:44
Aroclor1242	ND	0.50	1	07/05/2019 15:44
Aroclor1248	ND	0.50	1	07/05/2019 15:44
Aroclor1254	ND	0.50	1	07/05/2019 15:44
Aroclor1260	ND	0.50	1	07/05/2019 15:44
PCBs, total	ND	0.50	1	07/05/2019 15:44

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	89	61-139	07/05/2019 15:44

Analyst(s): CK

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5030B
Date Prepared:	7/4/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001F**	**Water**	**07/03/2019 07:38**	**GC16 07031936.D**	**180956**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	07/04/2019 06:45
tert-Amyl methyl ether (TAME)	ND	0.50	1	07/04/2019 06:45
Benzene	ND	0.50	1	07/04/2019 06:45
Bromobenzene	ND	0.50	1	07/04/2019 06:45
Bromochloromethane	ND	0.50	1	07/04/2019 06:45
Bromodichloromethane	ND	0.50	1	07/04/2019 06:45
Bromoform	ND	0.50	1	07/04/2019 06:45
Bromomethane	ND	0.50	1	07/04/2019 06:45
2-Butanone (MEK)	ND	5.0	1	07/04/2019 06:45
t-Butyl alcohol (TBA)	ND	5.0	1	07/04/2019 06:45
n-Butyl benzene	ND	0.50	1	07/04/2019 06:45
sec-Butyl benzene	ND	0.50	1	07/04/2019 06:45
tert-Butyl benzene	ND	0.50	1	07/04/2019 06:45
Carbon Disulfide	ND	0.50	1	07/04/2019 06:45
Carbon Tetrachloride	ND	0.50	1	07/04/2019 06:45
Chlorobenzene	ND	0.50	1	07/04/2019 06:45
Chloroethane	ND	0.50	1	07/04/2019 06:45
Chloroform	ND	0.50	1	07/04/2019 06:45
Chloromethane	ND	0.50	1	07/04/2019 06:45
2-Chlorotoluene	ND	0.50	1	07/04/2019 06:45
4-Chlorotoluene	ND	0.50	1	07/04/2019 06:45
Dibromochloromethane	ND	0.50	1	07/04/2019 06:45
1,2-Dibromo-3-chloropropane	ND	0.20	1	07/04/2019 06:45
1,2-Dibromoethane (EDB)	ND	0.50	1	07/04/2019 06:45
Dibromomethane	ND	0.50	1	07/04/2019 06:45
1,2-Dichlorobenzene	ND	0.50	1	07/04/2019 06:45
1,3-Dichlorobenzene	ND	0.50	1	07/04/2019 06:45
1,4-Dichlorobenzene	ND	0.50	1	07/04/2019 06:45
Dichlorodifluoromethane	ND	0.50	1	07/04/2019 06:45
1,1-Dichloroethane	ND	0.50	1	07/04/2019 06:45
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	07/04/2019 06:45
1,1-Dichloroethene	ND	0.50	1	07/04/2019 06:45
cis-1,2-Dichloroethene	ND	0.50	1	07/04/2019 06:45
trans-1,2-Dichloroethene	ND	0.50	1	07/04/2019 06:45
1,2-Dichloropropane	ND	0.50	1	07/04/2019 06:45
1,3-Dichloropropane	ND	0.50	1	07/04/2019 06:45
2,2-Dichloropropane	ND	0.50	1	07/04/2019 06:45

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5030B
Date Prepared:	7/4/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001F**	**Water**	**07/03/2019 07:38**	**GC16 07031936.D**	**180956**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	07/04/2019 06:45
cis-1,3-Dichloropropene	ND	0.50	1	07/04/2019 06:45
trans-1,3-Dichloropropene	ND	0.50	1	07/04/2019 06:45
Diisopropyl ether (DIPE)	ND	0.50	1	07/04/2019 06:45
Ethylbenzene	ND	0.50	1	07/04/2019 06:45
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	07/04/2019 06:45
Freon 113	ND	0.50	1	07/04/2019 06:45
Hexachlorobutadiene	ND	0.50	1	07/04/2019 06:45
Hexachloroethane	ND	0.50	1	07/04/2019 06:45
2-Hexanone	ND	1.0	1	07/04/2019 06:45
Isopropylbenzene	ND	0.50	1	07/04/2019 06:45
4-Isopropyl toluene	ND	0.50	1	07/04/2019 06:45
Methyl-t-butyl ether (MTBE)	ND	0.50	1	07/04/2019 06:45
Methylene chloride	ND	2.0	1	07/04/2019 06:45
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	07/04/2019 06:45
Naphthalene	ND	1.0	1	07/04/2019 06:45
n-Propyl benzene	ND	0.50	1	07/04/2019 06:45
Styrene	ND	2.0	1	07/04/2019 06:45
1,1,1,2-Tetrachloroethane	ND	0.50	1	07/04/2019 06:45
1,1,2,2-Tetrachloroethane	ND	0.50	1	07/04/2019 06:45
Tetrachloroethene	ND	0.50	1	07/04/2019 06:45
Toluene	ND	0.50	1	07/04/2019 06:45
1,2,3-Trichlorobenzene	ND	0.50	1	07/04/2019 06:45
1,2,4-Trichlorobenzene	ND	0.50	1	07/04/2019 06:45
1,1,1-Trichloroethane	ND	0.50	1	07/04/2019 06:45
1,1,2-Trichloroethane	ND	0.50	1	07/04/2019 06:45
Trichloroethene	ND	0.50	1	07/04/2019 06:45
Trichlorofluoromethane	ND	0.50	1	07/04/2019 06:45
1,2,3-Trichloropropane	ND	0.50	1	07/04/2019 06:45
1,2,4-Trimethylbenzene	ND	0.50	1	07/04/2019 06:45
1,3,5-Trimethylbenzene	ND	0.50	1	07/04/2019 06:45
Vinyl Chloride	ND	0.50	1	07/04/2019 06:45
m,p-Xylene	ND	0.50	1	07/04/2019 06:45
o-Xylene	ND	0.50	1	07/04/2019 06:45
Xylenes, Total	ND	0.50	1	07/04/2019 06:45

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5030B
Date Prepared:	7/4/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001F**	**Water**	**07/03/2019 07:38**	**GC16 07031936.D**	**180956**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	100	81-144		07/04/2019 06:45
Toluene-d8	100	85-135		07/04/2019 06:45
4-BFB	74	63-145		07/04/2019 06:45

Analyst(s): KF

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	E625
Date Prepared:	7/5/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001G**	**Water**	**07/03/2019 07:38**	**GC17 07051915.D**	**180993**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.20	20	07/05/2019 16:00
Acenaphthylene	ND	0.20	20	07/05/2019 16:00
Acetochlor	ND	40	20	07/05/2019 16:00
Anthracene	ND	0.20	20	07/05/2019 16:00
Benzidine	ND	100	20	07/05/2019 16:00
Benzo (a) anthracene	ND	0.40	20	07/05/2019 16:00
Benzo (a) pyrene	ND	0.20	20	07/05/2019 16:00
Benzo (b) fluoranthene	ND	0.10	20	07/05/2019 16:00
Benzo (g,h,i) perylene	ND	0.40	20	07/05/2019 16:00
Benzo (k) fluoranthene	ND	0.20	20	07/05/2019 16:00
Benzoic Acid	ND	100	20	07/05/2019 16:00
Benzyl Alcohol	ND	100	20	07/05/2019 16:00
1,1-Biphenyl	ND	1.0	20	07/05/2019 16:00
Bis (2-chloroethoxy) Methane	ND	20	20	07/05/2019 16:00
Bis (2-chloroethyl) Ether	ND	0.10	20	07/05/2019 16:00
Bis (2-chloroisopropyl) Ether	ND	0.20	20	07/05/2019 16:00
Bis (2-ethylhexyl) Adipate	ND	60	20	07/05/2019 16:00
Bis (2-ethylhexyl) Phthalate	ND	0.80	20	07/05/2019 16:00
4-Bromophenyl Phenyl Ether	ND	20	20	07/05/2019 16:00
Butylbenzyl Phthalate	ND	4.0	20	07/05/2019 16:00
4-Chloroaniline	ND	0.40	20	07/05/2019 16:00
4-Chloro-3-methylphenol	ND	20	20	07/05/2019 16:00
2-Chloronaphthalene	ND	20	20	07/05/2019 16:00
2-Chlorophenol	ND	0.40	20	07/05/2019 16:00
4-Chlorophenyl Phenyl Ether	ND	20	20	07/05/2019 16:00
Chrysene	ND	0.20	20	07/05/2019 16:00
Dibenzo (a,h) anthracene	ND	0.20	20	07/05/2019 16:00
Dibenzofuran	ND	20	20	07/05/2019 16:00
Di-n-butyl Phthalate	**0.43**	0.40	20	07/05/2019 16:00
1,2-Dichlorobenzene	ND	40	20	07/05/2019 16:00
1,3-Dichlorobenzene	ND	40	20	07/05/2019 16:00
1,4-Dichlorobenzene	ND	40	20	07/05/2019 16:00
3,3-Dichlorobenzidine	ND	0.40	20	07/05/2019 16:00
2,4-Dichlorophenol	ND	0.20	20	07/05/2019 16:00
Diethyl Phthalate	ND	0.40	20	07/05/2019 16:00
2,4-Dimethylphenol	ND	20	20	07/05/2019 16:00
Dimethyl Phthalate	ND	0.40	20	07/05/2019 16:00

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Analytical Report

Client: Langan
Date Received: 7/3/19 17:40
Date Prepared: 7/5/19
Project: 731685405; 1548 Maple Street

WorkOrder: 1907218
Extraction Method: E625
Analytical Method: SW8270C
Unit: µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	1907218-001G	Water	07/03/2019 07:38	GC17 07051915.D	180993

Analytes	Result	RL	DF	Date Analyzed
4,6-Dinitro-2-methylphenol	ND	100	20	07/05/2019 16:00
2,4-Dinitrophenol	ND	10	20	07/05/2019 16:00
2,4-Dinitrotoluene	ND	0.50	20	07/05/2019 16:00
2,6-Dichlorophenol	ND	20	20	07/05/2019 16:00
2,6-Dinitrotoluene	ND	0.20	20	07/05/2019 16:00
Di-n-octyl Phthalate	ND	2.5	20	07/05/2019 16:00
1,2-Diphenylhydrazine	ND	20	20	07/05/2019 16:00
Fluoranthene	ND	0.20	20	07/05/2019 16:00
Fluorene	ND	0.20	20	07/05/2019 16:00
Hexachlorobenzene	ND	0.10	20	07/05/2019 16:00
Hexachlorobutadiene	ND	0.20	20	07/05/2019 16:00
Hexachlorocyclopentadiene	ND	100	20	07/05/2019 16:00
Hexachloroethane	ND	0.20	20	07/05/2019 16:00
Indeno (1,2,3-cd) pyrene	ND	0.40	20	07/05/2019 16:00
Isophorone	ND	20	20	07/05/2019 16:00
2-Methylnaphthalene	ND	0.20	20	07/05/2019 16:00
2-Methylphenol (o-Cresol)	ND	20	20	07/05/2019 16:00
3 & 4-Methylphenol (m,p-Cresol)	ND	20	20	07/05/2019 16:00
Naphthalene	ND	0.20	20	07/05/2019 16:00
2-Nitroaniline	ND	100	20	07/05/2019 16:00
3-Nitroaniline	ND	100	20	07/05/2019 16:00
4-Nitroaniline	ND	100	20	07/05/2019 16:00
Nitrobenzene	ND	20	20	07/05/2019 16:00
2-Nitrophenol	ND	100	20	07/05/2019 16:00
4-Nitrophenol	ND	100	20	07/05/2019 16:00
N-Nitrosodiphenylamine	ND	20	20	07/05/2019 16:00
N-Nitrosodi-n-propylamine	ND	20	20	07/05/2019 16:00
Pentachlorophenol	ND	5.0	20	07/05/2019 16:00
Phenanthrene	ND	0.40	20	07/05/2019 16:00
Phenol	ND	0.40	20	07/05/2019 16:00
Pyrene	ND	0.40	20	07/05/2019 16:00
Pyridine	ND	20	20	07/05/2019 16:00
1,2,4-Trichlorobenzene	ND	20	20	07/05/2019 16:00
2,4,5-Trichlorophenol	ND	1.0	20	07/05/2019 16:00
2,4,6-Trichlorophenol	ND	1.0	20	07/05/2019 16:00
1-Methylnaphthalene	ND	0.20	20	07/05/2019 16:00

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	E625
Date Prepared:	7/5/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001G**	**Water**	**07/03/2019 07:38**	**GC17 07051915.D**	**180993**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	64	1-92		07/05/2019 16:00
Phenol-d5	44	5-104		07/05/2019 16:00
Nitrobenzene-d5	105	4-143		07/05/2019 16:00
2-Fluorobiphenyl	85	9-134		07/05/2019 16:00
2,4,6-Tribromophenol	105	1-159		07/05/2019 16:00
4-Terphenyl-d14	83	5-150		07/05/2019 16:00

Analyst(s): REB

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	E200.8
Date Prepared:	7/3/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	1907218-001J	Water	07/03/2019 07:38	ICP-MS2 082SMPL.D	180947

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	10	20	07/05/2019 19:15
Arsenic	ND	10	20	07/05/2019 19:15
Barium	**160**	100	20	07/05/2019 19:15
Beryllium	ND	10	20	07/05/2019 19:15
Cadmium	ND	10	20	07/05/2019 19:15
Chromium	ND	10	20	07/05/2019 19:15
Cobalt	ND	10	20	07/05/2019 19:15
Copper	ND	10	20	07/05/2019 19:15
Lead	ND	10	20	07/05/2019 19:15
Mercury	ND	1.0	20	07/05/2019 19:15
Molybdenum	**26**	10	20	07/05/2019 19:15
Nickel	ND	20	20	07/05/2019 19:15
Selenium	ND	10	20	07/05/2019 19:15
Silver	ND	10	20	07/05/2019 19:15
Thallium	ND	10	20	07/05/2019 19:15
Vanadium	**11**	10	20	07/05/2019 19:15
Zinc	ND	400	20	07/05/2019 19:15

Surrogates	REC (%)	Limits	
Terbium	102	70-130	07/05/2019 19:15

Analyst(s): MIG

Analytical Comments: a1

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	Kelada-01
Date Prepared:	7/5/19	**Analytical Method:**	Kelada-01
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001H**	**Water**	**07/03/2019 07:38**	**WC_SKALAR 070519C1_22**	**180962**

Analytes	Result	RL	DF	Date Analyzed
Total Cyanide	ND	10	10	07/05/2019 11:54

Analyst(s): RB

Analytical Comments: a1

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW1010
Date Prepared:	7/3/19	**Analytical Method:**	SW1010
Project:	731685405; 1548 Maple Street	**Unit:**	°C

Flash Point by SW1010

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001B**	**Water**	**07/03/2019 07:38**	**WetChem**	**180949**

Analytes	Result	Accuracy	DF	Date Analyzed
Flash Point	**>100**	±2	1	07/03/2019 20:38

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5035
Date Prepared:	7/3/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-2-7.0	**1907218-002A**	**Soil**	**07/03/2019 12:00**	**GC19 07041942.D**	**180942**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.4**	1.0	1	07/05/2019 10:52
MTBE	---	0.050	1	07/05/2019 10:52
Benzene	---	0.0050	1	07/05/2019 10:52
Toluene	---	0.0050	1	07/05/2019 10:52
Ethylbenzene	---	0.0050	1	07/05/2019 10:52
m,p-Xylene	---	0.010	1	07/05/2019 10:52
o-Xylene	---	0.0050	1	07/05/2019 10:52
Xylenes	---	0.0050	1	07/05/2019 10:52

Surrogates	REC (%)	Limits	
aaa-TFT	102	72-123	07/05/2019 10:52

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-12-5.0	**1907218-003A**	**Soil**	**07/03/2019 12:20**	**GC19 07031927.D**	**180942**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.4**	1.0	1	07/04/2019 02:56
MTBE	---	0.050	1	07/04/2019 02:56
Benzene	---	0.0050	1	07/04/2019 02:56
Toluene	---	0.0050	1	07/04/2019 02:56
Ethylbenzene	---	0.0050	1	07/04/2019 02:56
m,p-Xylene	---	0.010	1	07/04/2019 02:56
o-Xylene	---	0.0050	1	07/04/2019 02:56
Xylenes	---	0.0050	1	07/04/2019 02:56

Surrogates	REC (%)	Limits	
2-Fluorotoluene	77	62-126	07/04/2019 02:56

Analyst(s): IA Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5035
Date Prepared:	7/3/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-13-5.0	**1907218-004A**	**Soil**	**07/03/2019 12:33**	**GC19 07031929.D**	**180942**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/04/2019 03:56
MTBE	---	0.050	1	07/04/2019 03:56
Benzene	---	0.0050	1	07/04/2019 03:56
Toluene	---	0.0050	1	07/04/2019 03:56
Ethylbenzene	---	0.0050	1	07/04/2019 03:56
m,p-Xylene	---	0.010	1	07/04/2019 03:56
o-Xylene	---	0.0050	1	07/04/2019 03:56
Xylenes	---	0.0050	1	07/04/2019 03:56

Surrogates	REC (%)	Limits	
2-Fluorotoluene	70	62-126	07/04/2019 03:56

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW5030B
Date Prepared:	7/5/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001A**	**Water**	**07/03/2019 07:38**	**GC3 07051905.D**	**180881**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	07/05/2019 14:27
MTBE	---	5.0	1	07/05/2019 14:27
Benzene	---	0.50	1	07/05/2019 14:27
Toluene	---	0.50	1	07/05/2019 14:27
Ethylbenzene	---	0.50	1	07/05/2019 14:27
m,p-Xylene	---	1.0	1	07/05/2019 14:27
o-Xylene	---	0.50	1	07/05/2019 14:27
Xylenes	---	0.50	1	07/05/2019 14:27

Surrogates	REC (%)	Limits	
aaa-TFT	89	76-115	07/05/2019 14:27

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SM2510B
Date Prepared:	7/3/19	**Analytical Method:**	SM2510Bm-1997
Project:	731685405; 1548 Maple Street	**Unit:**	g/L

Salinity in g/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001C**	**Water**	**07/03/2019 07:38**	**WetChem**	**180932**

Analytes	Result	RL	DF	Date Analyzed
Salinity	**20.1 @ 17.8 °C**	1.00	1	07/03/2019 21:50

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SM2510 B
Date Prepared:	7/3/19	**Analytical Method:**	SM2510B
Project:	731685405; 1548 Maple Street	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001C**	**Water**	**07/03/2019 07:38**	**WetChem**	**180909**

Analytes	Result	RL	DF	Date Analyzed
Specific Conductivity	**32,700**	10.0	1	07/03/2019 21:05

Analyst(s): HAD

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW3550B
Date Prepared:	7/3/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-2-7.0	**1907218-002A**	**Soil**	**07/03/2019 12:00**	**GC6B 07031985.D**	**180941**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**4.6**	1.0	1	07/04/2019 21:28

Surrogates	REC (%)	Limits	
C9	91	74-123	07/04/2019 21:28

Analyst(s): JIS Analytical Comments: e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-12-5.0	**1907218-003A**	**Soil**	**07/03/2019 12:20**	**GC9a 07031990.D**	**180941**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.4**	1.0	1	07/04/2019 22:54

Surrogates	REC (%)	Limits	
C9	82	74-123	07/04/2019 22:54

Analyst(s): JIS Analytical Comments: e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-13-5.0	**1907218-004A**	**Soil**	**07/03/2019 12:33**	**GC11A 07051910.D**	**180941**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**180**	50	50	07/05/2019 12:23

Surrogates	REC (%)	Limits	
C9	114	74-123	07/05/2019 12:23

Analyst(s): JIS Analytical Comments: e2,e7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SW3510C
Date Prepared:	7/3/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Tide	**1907218-001A**	**Water**	**07/03/2019 07:38**	**GC9a 07031986.D**	**180940**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	07/04/2019 21:36
TPH-Motor Oil (C18-C36)	ND	250	1	07/04/2019 21:36

Surrogates	REC (%)	Limits	
C9	84	61-139	07/04/2019 21:36

Analyst(s): JIS

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Analytical Report

Client:	Langan	**WorkOrder:**	1907218
Date Received:	7/3/19 17:40	**Extraction Method:**	SM2540 D-1997
Date Prepared:	7/5/19	**Analytical Method:**	SM2540 D-1997
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area Tide	**1907218-001D**	**Water**	**07/03/2019 07:38**	**WetChem**	**180985**

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**26.0**	2.00	2	07/05/2019 13:26

Analyst(s): PHU

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180946
Date Analyzed:	7/5/19	**Extraction Method:**	SW3510C
Instrument:	GC20	**Analytical Method:**	SW8082
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180946

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.12	0.50	-	-	-
Aroclor1221	ND	0.18	0.50	-	-	-
Aroclor1232	ND	0.13	0.50	-	-	-
Aroclor1242	ND	0.080	0.50	-	-	-
Aroclor1248	ND	0.28	0.50	-	-	-
Aroclor1254	ND	0.16	0.50	-	-	-
Aroclor1260	ND	0.11	0.50	-	-	-
PCBs, total	ND	N/A	0.50	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	1.2			1.25	94	61-139

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	4.6	4.6	3.75	122	124	81-145	0.896	20
Aroclor1260	3.9	4.1	3.75	103	111	76-149	7.03	20
Surrogate Recovery								
Decachlorobiphenyl	1.1	1.1	1.25	91	87	61-139	4.44	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	23			25	93	82-142
Toluene-d8	26			25	105	85-137
4-BFB	1.9			2.5	75	66-144

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	31	33	40	77	82	46-128	6.63	20
tert-Amyl methyl ether (TAME)	3.0	3.2	4	74	81	65-118	8.36	20
Benzene	3.6	3.8	4	91	96	71-120	5.10	20
Bromobenzene	3.0	3.2	4	75	81	67-121	7.93	20
Bromochloromethane	3.3	3.6	4	83	91	71-127	8.74	20
Bromodichloromethane	2.9	3.1	4	73	78	67-120	6.98	20
Bromoform	2.4	2.6	4	59	66	59-121	11.6	20
Bromomethane	4.2	4.3	4	105	106	44-175	1.86	20
2-Butanone (MEK)	12	13	16	75	80	50-121	6.24	20
t-Butyl alcohol (TBA)	10	11	16	62	71	47-123	12.5	20
n-Butyl benzene	3.8	4.0	4	94	99	71-128	5.76	20
sec-Butyl benzene	3.5	3.6	4	88	91	75-123	2.78	20
tert-Butyl benzene	2.9	3.0	4	73	76	70-121	3.79	20
Carbon Disulfide	3.6	3.8	4	90	95	75-121	4.44	20
Carbon Tetrachloride	3.2	3.4	4	81	84	73-117	4.71	20
Chlorobenzene	3.3	3.5	4	83	88	73-119	4.75	20
Chloroethane	4.3	4.4	4	107	110	60-144	2.76	20
Chloroform	3.3	3.5	4	82	86	72-120	5.06	20
Chloromethane	4.5	4.5	4	112	112	28-145	0	20
2-Chlorotoluene	3.3	3.4	4	83	86	76-121	3.37	20
4-Chlorotoluene	3.2	3.4	4	79	84	72-119	5.94	20
Dibromochloromethane	2.6	2.9	4	65, F2	71	66-122	9.68	20
1,2-Dibromo-3-chloropropane	1.2	1.3	2	62	65	50-123	4.35	20
1,2-Dibromoethane (EDB)	1.5	1.5	2	73	77	68-117	5.94	20
Dibromomethane	3.2	3.4	4	80	84	67-121	4.97	20
1,2-Dichlorobenzene	3.3	3.5	4	82	87	70-121	4.90	20
1,3-Dichlorobenzene	3.5	3.7	4	87	93	69-125	5.82	20
1,4-Dichlorobenzene	3.4	3.5	4	84	88	67-123	4.79	20
Dichlorodifluoromethane	3.1	3.3	4	78	82	19-147	4.33	20
1,1-Dichloroethane	3.5	3.7	4	88	93	72-121	5.12	20
1,2-Dichloroethane (1,2-DCA)	3.0	3.1	4	74	78	64-120	5.86	20
1,1-Dichloroethene	3.6	3.8	4	90	94	76-123	4.41	20
cis-1,2-Dichloroethene	3.5	3.7	4	87	92	71-124	5.82	20
trans-1,2-Dichloroethene	3.5	3.7	4	88	93	74-124	5.40	20
1,2-Dichloropropane	3.4	3.7	4	86	91	70-120	6.17	20
1,3-Dichloropropane	3.1	3.2	4	77	81	66-119	5.24	20
2,2-Dichloropropane	3.7	3.8	4	91	95	67-126	3.61	20
1,1-Dichloropropene	3.4	3.6	4	86	91	73-120	5.14	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.1	3.3	4	77	84	69-121	7.86	20
trans-1,3-Dichloropropene	3.0	3.2	4	75	81	70-121	7.32	20
Diisopropyl ether (DIPE)	3.3	3.6	4	84	90	68-123	7.49	20
Ethylbenzene	3.2	3.4	4	80	84	75-116	5.22	20
Ethyl tert-butyl ether (ETBE)	3.2	3.4	4	79	85	67-120	7.43	20
Freon 113	3.4	3.6	4	86	91	75-117	5.94	20
Hexachlorobutadiene	3.1	3.2	4	77	79	66-127	3.10	20
Hexachloroethane	2.7	2.9	4	68, F2	72	69-127	4.76	20
2-Hexanone	2.4	2.7	4	61	67	50-116	9.16	20
Isopropylbenzene	3.2	3.4	4	81	85	70-127	4.98	20
4-Isopropyl toluene	3.4	3.5	4	86	88	71-124	2.33	20
Methyl-t-butyl ether (MTBE)	3.0	3.2	4	75	81	64-121	7.15	20
Methylene chloride	2.9	3.1	4	72	77	66-115	6.32	20
4-Methyl-2-pentanone (MIBK)	2.5	2.7	4	63	68	50-119	7.61	20
Naphthalene	3.1	3.4	4	79	85	63-121	7.84	20
n-Propyl benzene	3.2	3.3	4	80	84	74-122	3.83	20
Styrene	3.1	3.3	4	77	82	69-118	6.12	20
1,1,1,2-Tetrachloroethane	2.8	3.0	4	70, F2	75	71-120	6.33	20
1,1,2,2-Tetrachloroethane	2.8	3.0	4	70	75	58-123	7.45	20
Tetrachloroethene	3.0	3.1	4	75	77	72-118	3.15	20
Toluene	3.3	3.4	4	81	85	73-111	4.33	20
1,2,3-Trichlorobenzene	3.2	3.3	4	79	83	63-125	4.72	20
1,2,4-Trichlorobenzene	3.3	3.4	4	82	86	66-128	4.79	20
1,1,1-Trichloroethane	3.3	3.4	4	82	85	72-118	3.98	20
1,1,2-Trichloroethane	3.0	3.2	4	75	79	66-118	5.49	20
Trichloroethene	3.5	3.6	4	86	90	71-121	3.77	20
Trichlorofluoromethane	3.3	3.4	4	84	86	59-125	3.05	20
1,2,3-Trichloropropane	1.5	1.6	2	73	79	62-120	7.82	20
1,2,4-Trimethylbenzene	3.3	3.5	4	82	88	73-120	7.05	20
1,3,5-Trimethylbenzene	3.3	3.5	4	83	87	67-123	5.46	20
Vinyl Chloride	2.1	2.2	2	105	108	60-138	2.87	20
m,p-Xylene	6.4	6.6	8	80	83	74-118	3.66	20
o-Xylene	3.1	3.2	4	77	80	73-119	4.20	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180956
Date Analyzed:	7/3/19	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180956

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	24	25	96	97	82-142	0.957	20
Toluene-d8	25	25	25	100	99	85-137	0.391	20
4-BFB	1.9	1.9	2.5	76	76	66-144	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	ND	0.0086	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Di-n-butyl Phthalate	ND	0.0068	0.020	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
Diethyl Phthalate	ND	0.015	0.020	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	ND	0.0055	0.020	-	-	-
Phenol	ND	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	4.5			5	91	36-131
Phenol-d5	4.9			5	98	43-149
Nitrobenzene-d5	4.7			5	95	39-150
2-Fluorobiphenyl	3.7			5	74	43-133
2,4,6-Tribromophenol	5.4			5	109	42-147
Terphenyl-d14	3.6			5	73	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.48	0.45	0.50	95	91	47-145	4.64	25
Acenaphthylene	0.49	0.46	0.50	97	93	33-145	4.57	25
Anthracene	0.51	0.47	0.50	101	93	27-133	7.93	25
Benzidine	41	37	50	82	74	33-87	10.5	25
Benzo (a) anthracene	0.45	0.42	0.50	90	84	33-143	7.12	25
Benzo (a) pyrene	0.53	0.49	0.50	106	97	17-163	8.31	25
Benzo (b) fluoranthene	0.54	0.47	0.50	108	95	24-159	13.2	25
Benzo (g,h,i) perylene	0.45	0.42	0.50	89	85	1-219	5.68	25
Benzo (k) fluoranthene	0.48	0.44	0.50	96	87	11-162	9.66	25
Benzyl Alcohol	43	37	50	87	73	38-130	17.2	25
Bis (2-chloroethoxy) Methane	9.7	9.1	10	97	91	33-184	6.31	25
Bis (2-chloroethyl) Ether	0.42	0.40	0.50	84	80	12-158	4.82	25
Bis (2-chloroisopropyl) Ether	0.44	0.42	0.50	88	84	36-166	3.74	25
Bis (2-ethylhexyl) Adipate	9.2	7.8	10	92	79	49-109	16.4	25
Bis (2-ethylhexyl) Phthalate	0.54	0.45	0.50	108	90	8-158	17.6	25
4-Bromophenyl Phenyl Ether	9.8	9.7	10	98	97	53-127	1.17	25
Butylbenzyl Phthalate	0.51	0.43	0.50	101	86	1-152	16.2	25
4-Chloroaniline	0.54	0.50	0.50	108	100	57-121	8.31	25
4-Chloro-3-methylphenol	12	10	10	118	103	22-147	13.8	25
2-Chloronaphthalene	9.8	8.9	10	98	89	60-118	9.94	25
2-Chlorophenol	0.45	0.44	0.50	91	88	23-134	3.57	25
4-Chlorophenyl Phenyl Ether	9.2	8.6	10	92	86	25-158	6.58	25
Chrysene	0.48	0.45	0.50	96	89	17-168	6.98	25
Dibenzo (a,h) anthracene	0.50	0.47	0.50	99	93	1-227	5.90	25
Dibenzofuran	9.7	9.2	10	97	92	57-108	5.97	25
Di-n-butyl Phthalate	0.51	0.46	0.50	101	91	1-118	10.4	25
1,2-Dichlorobenzene	7.9	7.6	10	79	76	32-129	4.22	25
1,3-Dichlorobenzene	8.0	7.9	10	80	79	1-172	0.658	25
1,4-Dichlorobenzene	7.5	7.3	10	75	73	20-124	2.33	25
3,3-Dichlorobenzidine	0.59	0.57	0.50	118	113	1-262	3.98	25
2,4-Dichlorophenol	10	9.5	10	103	95	39-135	7.60	25
Diethyl Phthalate	0.53	0.47	0.50	106	93	1-114	12.8	25
2,4-Dimethylphenol	11	10	10	111	103	32-119	7.47	25
Dimethyl Phthalate	0.51	0.46	0.50	101	92	1-112	9.28	25
4,6-Dinitro-2-methylphenol	60	58	50	120, F2	116	33-117	3.08	25
2,4-Dinitrophenol	2.6	2.7	2.5	102	109	1-191	6.60	25
2,4-Dinitrotoluene	0.58	0.59	0.50	116	118	39-139	1.62	25
2,6-Dinitrotoluene	0.58	0.58	0.50	116	116	50-158	0	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Di-n-octyl Phthalate	0.60	0.49	0.50	119	97	4-146	20.5	25
1,2-Diphenylhydrazine	8.4	8.4	10	84	84	53-110	0	25
Fluoranthene	0.56	0.49	0.50	111	98	26-137	12.7	25
Fluorene	0.51	0.47	0.50	102	93	59-121	8.88	25
Hexachlorobenzene	0.44	0.43	0.50	89	85	1-152	3.67	25
Hexachlorobutadiene	0.45	0.44	0.50	91	89	24-116	2.20	25
Hexachlorocyclopentadiene	34	36	50	67	71	26-107	6.04	25
Hexachloroethane	0.39	0.38	0.50	79	77	40-113	2.91	25
Indeno (1,2,3-cd) pyrene	0.48	0.45	0.50	95	90	1-171	5.18	25
Isophorone	10	9.5	10	105	95	21-196	9.95	25
2-Methylnaphthalene	0.55	0.50	0.50	110	100	51-132	9.23	25
2-Methylphenol (o-Cresol)	9.1	8.5	10	91	85	47-127	6.82	25
3 & 4-Methylphenol (m,p-Cresol)	11	10	10	111	104	51-126	6.28	25
Naphthalene	0.39	0.37	0.50	77	73	21-133	5.55	25
2-Nitroaniline	54	49	50	108	98	56-126	9.90	25
3-Nitroaniline	59	51	50	117	102	57-124	14.2	25
4-Nitroaniline	63	52	50	126	104	58-130	18.5	25
Nitrobenzene	10	10	10	102	100	35-180	2.11	25
2-Nitrophenol	59	55	50	118	110	29-182	7.10	25
4-Nitrophenol	54	46	50	109	91	1-132	17.8	25
N-Nitrosodiphenylamine	8.8	8.7	10	88	87	56-106	1.02	25
N-Nitrosodi-n-propylamine	8.9	8.2	10	89	82	1-230	7.42	25
Pentachlorophenol	2.9	2.8	2.5	118	111	14-176	5.87	25
Phenanthrene	0.45	0.42	0.50	90	84	54-120	6.80	25
Phenol	1.9	1.8	2	93	88	5-112	4.93	25
Pyrene	0.47	0.40	0.50	93	80	52-115	14.6	25
Pyridine	5.1	5.0	10	51	50	36-96	1.29	25
1,2,4-Trichlorobenzene	9.9	9.3	10	99	93	44-142	5.74	25
2,4,5-Trichlorophenol	0.52	0.49	0.50	104	98	52-119	5.50	25
2,4,6-Trichlorophenol	0.50	0.48	0.50	100	96	37-144	3.75	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180993
Date Analyzed:	7/5/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180993

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	3.8	4.0	5	76	80	36-131	5.85	25
Phenol-d5	4.4	4.7	5	89	93	43-149	5.00	25
Nitrobenzene-d5	5.3	5.3	5	106	106	39-150	0	25
2-Fluorobiphenyl	4.3	4.5	5	86	91	43-133	5.20	25
2,4,6-Tribromophenol	4.7	4.7	5	94	94	42-147	0	25
Terphenyl-d14	4.1	3.7	5	82	75	44-124	9.23	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180947
Date Analyzed:	7/5/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180947 1907218-001JMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.20	0.50	-	-	-
Arsenic	ND	0.12	0.50	-	-	-
Barium	ND	0.36	5.0	-	-	-
Beryllium	ND	0.056	0.50	-	-	-
Cadmium	ND	0.060	0.50	-	-	-
Chromium	ND	0.36	0.50	-	-	-
Cobalt	ND	0.048	0.50	-	-	-
Copper	ND	0.43	0.50	-	-	-
Lead	ND	0.32	0.50	-	-	-
Mercury	ND	0.033	0.050	-	-	-
Molybdenum	ND	0.21	0.50	-	-	-
Nickel	ND	0.58	1.0	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.042	0.50	-	-	-
Thallium	ND	0.047	0.50	-	-	-
Vanadium	ND	0.091	0.50	-	-	-
Zinc	ND	11	20	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180947
Date Analyzed:	7/5/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180947 1907218-001JMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	55	55	50	110	109	85-115	0.785	20
Arsenic	54	54	50	108	109	85-115	0.682	20
Barium	570	570	500	114	113	85-115	0.616	20
Beryllium	55	56	50	111	112	85-115	0.971	20
Cadmium	54	53	50	108	107	85-115	0.745	20
Chromium	54	54	50	109	107	85-115	1.46	20
Cobalt	52	53	50	104	105	85-115	1.13	20
Copper	55	54	50	110	109	85-115	0.733	20
Lead	55	55	50	110	110	85-115	0	20
Mercury	1.3	1.3	1.25	101	100	85-115	0.239	20
Molybdenum	52	50	50	103	100	85-115	2.57	20
Nickel	54	53	50	108	107	85-115	1.08	20
Selenium	54	57	50	108	114	85-115	5.25	20
Silver	52	53	50	104	105	85-115	1.22	20
Thallium	51	51	50	102	101	85-115	0.0394	20
Vanadium	54	54	50	109	108	85-115	0.591	20
Zinc	560	550	500	111	111	85-115	0	20
Surrogate Recovery								
Terbium	550	550	500	111	111	70-130	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	20	54	53	50	ND<50	109	106	75-125	2.79	20
Arsenic	20	53	56	50	ND<50	105	112	75-125	5.98	20
Barium	20	690	670	500	ND<500	107	103	75-125	3.05	20
Beryllium	20	53	53	50	ND<50	106	106	75-125	0	20
Cadmium	20	52	52	50	ND<50	104	103	75-125	0.540	20
Chromium	20	52	53	50	ND<50	104	106	75-125	2.59	20
Cobalt	20	52	51	50	ND<50	104	103	75-125	1.36	20
Copper	20	55	54	50	ND<50	110	109	75-125	0.659	20
Lead	20	54	53	50	ND<50	109	107	75-125	2.23	20
Mercury	20	1.0	1.1	1.25	ND<5.0	84	85	75-125	1.14	20
Molybdenum	20	78	75	50	ND<50	102	96	75-125	4.07	20
Nickel	20	58	56	50	ND<100	115	113	75-125	2.49	20
Selenium	20	58	55	50	ND<50	117	110	75-125	5.43	20
Silver	20	48	47	50	ND<50	96	94	75-125	1.77	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180947
Date Analyzed:	7/5/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180947 1907218-001JMS/MSD

QC Summary Report for Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	20	49	48	50	ND<50	98	97	75-125	1.85	20
Vanadium	20	64	64	50	ND<50	104	104	75-125	0	20
Zinc	20	530	530	500	ND<2000	105	106	75-125	0.304	20
Surrogate Recovery										
Terbium	20	530	520	500		105	103	70-130	1.92	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180962
Date Analyzed:	7/5/19	**Extraction Method:**	Kelada-01
Instrument:	WC_SKALAR	**Analytical Method:**	Kelada-01
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180962

QC Summary Report for Kelada-01

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.84	1.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	41	42	40	103	104	80-120	0.758	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180949
Date Analyzed:	7/3/19	**Extraction Method:**	SW1010
Instrument:	WetChem	**Analytical Method:**	SW1010
Matrix:	Liquid	**Unit:**	°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-180949

QC Summary Report for Flash Point

Analyte	CCV REC (%)	CCV Limits
Flash Point	98	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180942
Date Analyzed:	7/5/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180942

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.15,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.090			0.10	90	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.58	0.59	0.60	96	99	82-118	3.23	20
MTBE	0.085	0.085	0.10	85	85	61-119	0	20
Benzene	0.089	0.095	0.10	89	95	77-128	6.88	20
Toluene	0.099	0.098	0.10	99	98	74-132	0.309	20
Ethylbenzene	0.10	0.098	0.10	100	98	84-127	1.89	20
m,p-Xylene	0.20	0.20	0.20	101	99	80-120	1.79	20
o-Xylene	0.097	0.096	0.10	97	96	80-120	1.56	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.091	0.10	93	91	75-134	2.53	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19 - 7/4/19	**BatchID:**	180881
Date Analyzed:	7/3/19 - 7/4/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180881

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.7			10	87	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	62	65	60	103	108	78-116	4.04	20
MTBE	8.8	9.3	10	88	93	72-122	5.14	20
Benzene	9.8	9.8	10	98	98	81-123	0	20
Toluene	10	10	10	102	101	83-129	0.440	20
Ethylbenzene	10	10	10	100	100	88-126	0	20
m,p-Xylene	20	20	20	99	101	80-120	1.35	20
o-Xylene	9.6	9.7	10	96	97	80-120	1.39	20
Surrogate Recovery								
aaa-TFT	9.3	8.8	10	93	88	74-117	4.88	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180932
Date Analyzed:	7/3/19	**Extraction Method:**	SM2510B
Instrument:	WetChem	**Analytical Method:**	SM2510Bm-1997
Matrix:	Water	**Unit:**	g/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-180932

QC Summary Report for SM2510B (Salinity)

Analyte	CCV REC (%)	CCV Limits
Salinity	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180909
Date Analyzed:	7/3/19	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-180909

QC Summary Report for Specific Conductivity

Analyte	CCV REC (%)	CCV Limits
Specific Conductivity	101	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180941
Date Analyzed:	7/4/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180941 1907218-002AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	22			25	89	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	105	102	75-128	3.41	30
Surrogate Recovery								
C9	22	22	25	88	89	72-122	0.285	30

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	45	44	40	4.590	100	100	71-134	0	30
Surrogate Recovery										
C9	1	22	22	25		89	88	78-126	1.01	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/3/19	**BatchID:**	180940
Date Analyzed:	7/4/19	**Extraction Method:**	SW3510C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180940

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	630			625	101	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1100	1100	1000	106	111	86-142	3.97	20
Surrogate Recovery								
C9	630	610	625	100	97	68-127	2.79	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907218
Date Prepared:	7/5/19	**BatchID:**	180985
Date Analyzed:	7/5/19	**Extraction Method:**	SM2540 D-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 D-1997
Matrix:	Water	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB-180985 1907218-001D

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL			
Total Suspended Solids	ND	1.00	1.00	-	-	-

Analyte	SAMP Result	DUP Result	RPD	RPD Limit
Total Suspended Solids	26.0	24.0	5.66	10

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907218 **ClientCode: TWRK**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
501 14th Street, 3rd Floor
Oakland, CA 94612
(510) 874-7070 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **1 day;**

Date Received: **07/03/2019**
Date Logged: **07/03/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907218-001	Area E Tide	Water	7/3/2019 07:38	☐	I	F	G	J	H	B		A	E	C	C	
1907218-002	Area E-B-2-7.0	Soil	7/3/2019 12:00	☐							A					A
1907218-003	Area E-S-12-5.0	Soil	7/3/2019 12:20	☐							A					A
1907218-004	Area E-S-13-5.0	Soil	7/3/2019 12:33	☐							A					A

Test Legend:

1	8082_PCB_W	2	8260B_W	3	8270_SCSM_W	4	CAM17MS_TTLC_W
5	CN_W	6	FLASH_W	7	G-MBTEX_S	8	G-MBTEX_W
9	PHENOLICS_W	10	SALINITY_W	11	SC_W	12	TPH(DMO)_S

Project Manager: Angela Rydelius **Prepared by: Nancy Palacios**

The following SampIDs: 002A, 003A, 004A contain testgroup Multi Range_S.; The following SampID: 001A contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907218 **ClientCode: TWRK**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
501 14th Street, 3rd Floor
Oakland, CA 94612
(510) 874-7070 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **07/03/2019**
Date Logged: **07/03/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					13	14	15	16	17	18	19	20	21	22	23	24
1907218-001	Area E Tide	Water	7/3/2019 07:38	☐	A	D										
1907218-002	Area E-B-2-7.0	Soil	7/3/2019 12:00	☐												
1907218-003	Area E-S-12-5.0	Soil	7/3/2019 12:20	☐												
1907218-004	Area E-S-13-5.0	Soil	7/3/2019 12:33	☐												

Test Legend:

13	TPH(DMO)_W	14	TSS_W	15		16	
17		18		19		20	
21		22		23		24	

Project Manager: Angela Rydelius **Prepared by: Nancy Palacios**

The following SampIDs: 002A, 003A, 004A contain testgroup Multi Range_S.; The following SampID: 001A contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 731685405; 1548 Maple Street **Work Order:** 1907218
Client Contact: Dustyne Sutherland **QC Level:** LEVEL 2
Contact's Email: dsutherland@langan.com **Comments:** **Date Logged:** 7/3/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907218-001A	Area E Tide	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001B	Area E Tide	Water	SW1010 (Flash Point)	1	250mL HDPE, unprsv.	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001C	Area E Tide	Water	SM2510B (Specific Conductivity)	1	250mL HDPE, unprsv.	☐	7/3/2019 7:38	1 day	Present	☐	
			SM2510B (Salinity)			☐		1 day	Present	☐	
1907218-001D	Area E Tide	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001E	Area E Tide	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001F	Area E Tide	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001G	Area E Tide	Water	SW8270C (SVOCs)	1	1LA Narrow Mouth, Unpres	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001H	Area E Tide	Water	Kelada-01 (Cyanide, Total)	1	250mL aHDPE w/ NaOH	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001I	Area E Tide	Water	SW8082 (PCBs Only)	2	aVOA, Unpres	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-001J	Area E Tide	Water	E200.8 (CAM 17)	1	250mL HDPE w/ HNO3	☐	7/3/2019 7:38	1 day	Present	☐	
1907218-002A	Area E-B-2-7.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/3/2019 12:00	1 day		☐	
1907218-003A	Area E-S-12-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/3/2019 12:20	1 day		☐	
1907218-004A	Area E-S-13-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/3/2019 12:33	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

13376

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

RUSH

- [X] 135 Main 555 ~~Montgomery~~ Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731605405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g/d/mo	Flashpoint	Salinity	Specific Conductivity	TSS	Phenolics	VOCs	SVOCs	Total Cyanide	PCBs	CAM 17 metals	TPH-g/d	Silica gel clean-up	Hold	Remarks
Area E Tide	7/3/19	0738			X			4	1	1	X		X	X	X	X	X	X	X	X	X	X	X				
Area E-B2-7.0		1200		X							X													X			
Area E-S-13-5.0		1220		X							X													X			
Area E-S-13-5.0		1233		X																				X			

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	7/3/19	1310	[signature]	7/3/19	1310
[signature]	7/3/19	1740	[signature]	7.3.19	1740
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**7/3/2019 17:40**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**7/3/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1907218** Matrix: Soil/Water	Logged by:	Nancy Palacios
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1907515

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/11/2019

Analytical Report reviewed & approved for release on 07/12/2019 by:

Yen Cao

Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907515

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907515

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
c2	Surrogate recovery outside of the control limits due to matrix interference.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
d9	No recognizable pattern.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907515
Date Received:	7/11/19 15:55	**Extraction Method:**	SW5035
Date Prepared:	7/11/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-14-5.0	**1907515-001A**	**Soil**	**07/10/2019 11:20**	**GC19 07111943.D**	**181362**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**230**	100	100	07/12/2019 08:46
MTBE	**---**	5.0	100	07/12/2019 08:46
Benzene	**---**	0.50	100	07/12/2019 08:46
Toluene	**---**	0.50	100	07/12/2019 08:46
Ethylbenzene	**---**	0.50	100	07/12/2019 08:46
m,p-Xylene	**---**	1.0	100	07/12/2019 08:46
o-Xylene	**---**	0.50	100	07/12/2019 08:46
Xylenes	**---**	0.50	100	07/12/2019 08:46

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	62-126	07/12/2019 08:46

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-15-5.0	**1907515-002A**	**Soil**	**07/10/2019 11:38**	**GC19 07111949.D**	**181362**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**160**	B	20	20	07/12/2019 12:21
MTBE	**---**		1.0	20	07/12/2019 12:21
Benzene	**---**		0.10	20	07/12/2019 12:21
Toluene	**---**		0.10	20	07/12/2019 12:21
Ethylbenzene	**---**		0.10	20	07/12/2019 12:21
m,p-Xylene	**---**		0.20	20	07/12/2019 12:21
o-Xylene	**---**		0.10	20	07/12/2019 12:21
Xylenes	**---**		0.10	20	07/12/2019 12:21

Surrogates	REC (%)	Limits	
aaa-TFT	94	72-123	07/12/2019 12:21

Analyst(s): IA Analytical Comments: d7

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	1907515
Date Received:	7/11/19 15:55	**Extraction Method:**	SW3550B
Date Prepared:	7/11/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-14-5.0	**1907515-001A**	**Soil**	**07/10/2019 11:20**	**GC11B 07111965.D**	**181360**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**640**	500	500	07/12/2019 05:09

Surrogates	REC (%)	Limits	
C9	112	74-123	07/12/2019 05:09

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-15-5.0	**1907515-002A**	**Soil**	**07/10/2019 11:38**	**GC11A 07111984.D**	**181360**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**520**	200	200	07/12/2019 10:56

Surrogates	REC (%)	Qualifiers	Limits	
C9	134	S	74-123	07/12/2019 10:56

Analyst(s): JIS Analytical Comments: c2,e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907515
Date Prepared:	7/11/19	**BatchID:**	181362
Date Analyzed:	7/12/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181362

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.11,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.095			0.10	95	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.62	0.60	0.60	103	99	82-118	3.41	20
MTBE	0.084	0.086	0.10	84	86	61-119	2.55	20
Benzene	0.095	0.094	0.10	95	94	77-128	0.836	20
Toluene	0.10	0.10	0.10	102	100	74-132	1.85	20
Ethylbenzene	0.10	0.098	0.10	101	98	84-127	2.73	20
m,p-Xylene	0.20	0.20	0.20	102	99	80-120	3.12	20
o-Xylene	0.098	0.095	0.10	98	95	80-120	3.27	20
Surrogate Recovery								
2-Fluorotoluene	0.096	0.095	0.10	96	95	75-134	1.41	20

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Quality Control Report

Client:	Langan	**WorkOrder:**	1907515
Date Prepared:	7/11/19	**BatchID:**	181360
Date Analyzed:	7/12/19	**Extraction Method:**	SW3550B
Instrument:	GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181360

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	22			25	89	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41	41	40	102	103	75-128	0.866	30
Surrogate Recovery								
C9	22	22	25	90	89	72-122	0.750	30

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907515 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **07/11/2019**
Date Logged: **07/11/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907515-001	Area E-S-14-5.0	Soil	7/10/2019 11:20	☐	A	A										
1907515-002	Area E-S-15-5.0	Soil	7/10/2019 11:38	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampIDs: 001A, 002A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments

Work Order: 1907515
QC Level: LEVEL 2
Date Logged: 7/11/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907515-001A	Area E-S-14-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/10/2019 11:20	1 day		☐	
1907515-002A	Area E-S-15-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/10/2019 11:38	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com **RUSH** 12862 1907515

LANGAN

CHAIN OF CUSTODY RECORD

135 Main 1500 94105
- [X] ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: ~~Std~~ 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	Silica gel clean-up	Hold	Remarks
Area E-S-14-5.0	7/10/19	1120		X							X		X			
Area E-S-15-5.0	7/10/19	1138		X							X		X			

Relinquished by: (Signature) Grace Stafford	Date: 7/11/19	Time 1130	Received by: (Signature) CAP	Date 7/11/19 Time 1130
Relinquished by: (Signature) CAP	Date: 7/11/19	Time 1555	Received by: (Signature)	Date 7/11/19 Time 1555 4.5°C
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**7/11/2019 15:55**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**7/11/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1907515** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.5°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1907819

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/17/2019

Analytical Report reviewed & approved for release on 07/18/2019 by:

Heidi Fruhlinger
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907819

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907819

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC16 07171930.D**	**181765**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/18/2019 03:13
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/18/2019 03:13
Benzene	ND	0.0050	1	07/18/2019 03:13
Bromobenzene	ND	0.0050	1	07/18/2019 03:13
Bromochloromethane	ND	0.0050	1	07/18/2019 03:13
Bromodichloromethane	ND	0.0050	1	07/18/2019 03:13
Bromoform	ND	0.0050	1	07/18/2019 03:13
Bromomethane	ND	0.0050	1	07/18/2019 03:13
2-Butanone (MEK)	ND	0.050	1	07/18/2019 03:13
t-Butyl alcohol (TBA)	ND	0.050	1	07/18/2019 03:13
n-Butyl benzene	ND	0.0050	1	07/18/2019 03:13
sec-Butyl benzene	ND	0.0050	1	07/18/2019 03:13
tert-Butyl benzene	ND	0.0050	1	07/18/2019 03:13
Carbon Disulfide	ND	0.0050	1	07/18/2019 03:13
Carbon Tetrachloride	ND	0.0050	1	07/18/2019 03:13
Chlorobenzene	ND	0.0050	1	07/18/2019 03:13
Chloroethane	ND	0.0050	1	07/18/2019 03:13
Chloroform	ND	0.0050	1	07/18/2019 03:13
Chloromethane	ND	0.0050	1	07/18/2019 03:13
2-Chlorotoluene	ND	0.0050	1	07/18/2019 03:13
4-Chlorotoluene	ND	0.0050	1	07/18/2019 03:13
Dibromochloromethane	ND	0.0050	1	07/18/2019 03:13
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/18/2019 03:13
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/18/2019 03:13
Dibromomethane	ND	0.0050	1	07/18/2019 03:13
1,2-Dichlorobenzene	ND	0.0050	1	07/18/2019 03:13
1,3-Dichlorobenzene	ND	0.0050	1	07/18/2019 03:13
1,4-Dichlorobenzene	ND	0.0050	1	07/18/2019 03:13
Dichlorodifluoromethane	ND	0.0050	1	07/18/2019 03:13
1,1-Dichloroethane	ND	0.0050	1	07/18/2019 03:13
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/18/2019 03:13
1,1-Dichloroethene	ND	0.0050	1	07/18/2019 03:13
cis-1,2-Dichloroethene	ND	0.0050	1	07/18/2019 03:13
trans-1,2-Dichloroethene	ND	0.0050	1	07/18/2019 03:13
1,2-Dichloropropane	ND	0.0050	1	07/18/2019 03:13
1,3-Dichloropropane	ND	0.0050	1	07/18/2019 03:13
2,2-Dichloropropane	ND	0.0050	1	07/18/2019 03:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC16 07171930.D**	**181765**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/18/2019 03:13
cis-1,3-Dichloropropene	ND	0.0050	1	07/18/2019 03:13
trans-1,3-Dichloropropene	ND	0.0050	1	07/18/2019 03:13
Diisopropyl ether (DIPE)	ND	0.0050	1	07/18/2019 03:13
Ethylbenzene	ND	0.0050	1	07/18/2019 03:13
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/18/2019 03:13
Freon 113	ND	0.0050	1	07/18/2019 03:13
Hexachlorobutadiene	ND	0.0050	1	07/18/2019 03:13
Hexachloroethane	ND	0.0050	1	07/18/2019 03:13
2-Hexanone	ND	0.0050	1	07/18/2019 03:13
Isopropylbenzene	ND	0.0050	1	07/18/2019 03:13
4-Isopropyl toluene	**0.011**	0.0050	1	07/18/2019 03:13
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/18/2019 03:13
Methylene chloride	ND	0.020	1	07/18/2019 03:13
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/18/2019 03:13
Naphthalene	ND	0.0050	1	07/18/2019 03:13
n-Propyl benzene	ND	0.0050	1	07/18/2019 03:13
Styrene	ND	0.0050	1	07/18/2019 03:13
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/18/2019 03:13
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/18/2019 03:13
Tetrachloroethene	ND	0.0050	1	07/18/2019 03:13
Toluene	ND	0.0050	1	07/18/2019 03:13
1,2,3-Trichlorobenzene	ND	0.0050	1	07/18/2019 03:13
1,2,4-Trichlorobenzene	ND	0.0050	1	07/18/2019 03:13
1,1,1-Trichloroethane	ND	0.0050	1	07/18/2019 03:13
1,1,2-Trichloroethane	ND	0.0050	1	07/18/2019 03:13
Trichloroethene	ND	0.0050	1	07/18/2019 03:13
Trichlorofluoromethane	ND	0.0050	1	07/18/2019 03:13
1,2,3-Trichloropropane	ND	0.0050	1	07/18/2019 03:13
1,2,4-Trimethylbenzene	ND	0.0050	1	07/18/2019 03:13
1,3,5-Trimethylbenzene	ND	0.0050	1	07/18/2019 03:13
Vinyl Chloride	ND	0.0050	1	07/18/2019 03:13
m,p-Xylene	ND	0.0050	1	07/18/2019 03:13
o-Xylene	ND	0.0050	1	07/18/2019 03:13
Xylenes, Total	ND	0.0050	1	07/18/2019 03:13

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW5030B
Date Prepared:	7/17/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC16 07171930.D**	**181765**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	95	66-116		07/18/2019 03:13
Toluene-d8	101	86-110		07/18/2019 03:13
4-BFB	85	71-114		07/18/2019 03:13
Benzene-d6	77	62-122		07/18/2019 03:13
Ethylbenzene-d10	88	69-130		07/18/2019 03:13
1,2-DCB-d4	69	55-108		07/18/2019 03:13

Analyst(s): KF

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	7/18/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC17 07181913.D**	**181865**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**0.35**	0.052	5	07/18/2019 14:53
Acenaphthylene	**0.14**	0.052	5	07/18/2019 14:53
Acetochlor	ND	10	5	07/18/2019 14:53
Anthracene	**0.40**	0.052	5	07/18/2019 14:53
Benzidine	ND	50	5	07/18/2019 14:53
Benzo (a) anthracene	**0.79**	0.20	5	07/18/2019 14:53
Benzo (a) pyrene	**0.46**	0.10	5	07/18/2019 14:53
Benzo (b) fluoranthene	**0.34**	0.052	5	07/18/2019 14:53
Benzo (g,h,i) perylene	**0.27**	0.10	5	07/18/2019 14:53
Benzo (k) fluoranthene	**0.26**	0.052	5	07/18/2019 14:53
Benzyl Alcohol	ND	50	5	07/18/2019 14:53
1,1-Biphenyl	ND	0.52	5	07/18/2019 14:53
Bis (2-chloroethoxy) Methane	ND	10	5	07/18/2019 14:53
Bis (2-chloroethyl) Ether	ND	0.10	5	07/18/2019 14:53
Bis (2-chloroisopropyl) Ether	ND	0.10	5	07/18/2019 14:53
Bis (2-ethylhexyl) Adipate	ND	20	5	07/18/2019 14:53
Bis (2-ethylhexyl) Phthalate	**0.22**	0.20	5	07/18/2019 14:53
4-Bromophenyl Phenyl Ether	ND	10	5	07/18/2019 14:53
Butylbenzyl Phthalate	ND	1.0	5	07/18/2019 14:53
4-Chloroaniline	ND	0.10	5	07/18/2019 14:53
4-Chloro-3-methylphenol	ND	10	5	07/18/2019 14:53
2-Chloronaphthalene	ND	10	5	07/18/2019 14:53
2-Chlorophenol	ND	0.20	5	07/18/2019 14:53
4-Chlorophenyl Phenyl Ether	ND	10	5	07/18/2019 14:53
Chrysene	**0.96**	0.10	5	07/18/2019 14:53
Dibenzo (a,h) anthracene	ND	0.10	5	07/18/2019 14:53
Dibenzofuran	ND	10	5	07/18/2019 14:53
Di-n-butyl Phthalate	ND	0.10	5	07/18/2019 14:53
1,2-Dichlorobenzene	ND	10	5	07/18/2019 14:53
1,3-Dichlorobenzene	ND	10	5	07/18/2019 14:53
1,4-Dichlorobenzene	ND	10	5	07/18/2019 14:53
3,3-Dichlorobenzidine	ND	0.10	5	07/18/2019 14:53
2,4-Dichlorophenol	ND	0.52	5	07/18/2019 14:53
Diethyl Phthalate	ND	0.20	5	07/18/2019 14:53
2,4-Dimethylphenol	ND	10	5	07/18/2019 14:53
Dimethyl Phthalate	ND	0.10	5	07/18/2019 14:53
4,6-Dinitro-2-methylphenol	ND	50	5	07/18/2019 14:53

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	7/18/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC17 07181913.D**	**181865**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	5.2	5	07/18/2019 14:53
2,4-Dinitrotoluene	ND	0.25	5	07/18/2019 14:53
2,6-Dinitrotoluene	ND	0.10	5	07/18/2019 14:53
Di-n-octyl Phthalate	ND	0.20	5	07/18/2019 14:53
1,2-Diphenylhydrazine	ND	10	5	07/18/2019 14:53
Fluoranthene	**2.5**	0.052	5	07/18/2019 14:53
Fluorene	**0.55**	0.10	5	07/18/2019 14:53
Hexachlorobenzene	ND	0.052	5	07/18/2019 14:53
Hexachlorobutadiene	ND	0.10	5	07/18/2019 14:53
Hexachlorocyclopentadiene	ND	80	5	07/18/2019 14:53
Hexachloroethane	ND	0.10	5	07/18/2019 14:53
Indeno (1,2,3-cd) pyrene	**0.22**	0.10	5	07/18/2019 14:53
Isophorone	ND	10	5	07/18/2019 14:53
1-Methylnaphthalene	**0.12**	0.052	5	07/18/2019 14:53
2-Methylnaphthalene	**0.15**	0.10	5	07/18/2019 14:53
2-Methylphenol (o-Cresol)	ND	20	5	07/18/2019 14:53
3 & 4-Methylphenol (m,p-Cresol)	ND	10	5	07/18/2019 14:53
Naphthalene	**0.13**	0.052	5	07/18/2019 14:53
2-Nitroaniline	ND	50	5	07/18/2019 14:53
3-Nitroaniline	ND	50	5	07/18/2019 14:53
4-Nitroaniline	ND	50	5	07/18/2019 14:53
Nitrobenzene	ND	10	5	07/18/2019 14:53
2-Nitrophenol	ND	50	5	07/18/2019 14:53
4-Nitrophenol	ND	50	5	07/18/2019 14:53
N-Nitrosodiphenylamine	ND	10	5	07/18/2019 14:53
N-Nitrosodi-n-propylamine	ND	10	5	07/18/2019 14:53
Pentachlorophenol	ND	1.3	5	07/18/2019 14:53
Phenanthrene	**2.0**	0.20	5	07/18/2019 14:53
Phenol	ND	0.20	5	07/18/2019 14:53
Pyrene	**2.0**	0.10	5	07/18/2019 14:53
Pyridine	ND	10	5	07/18/2019 14:53
1,2,4-Trichlorobenzene	ND	10	5	07/18/2019 14:53
2,4,5-Trichlorophenol	ND	0.10	5	07/18/2019 14:53
2,4,6-Trichlorophenol	ND	0.52	5	07/18/2019 14:53

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	7/18/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC17 07181913.D**	**181865**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	136	56-152		07/18/2019 14:53
Phenol-d5	94	54-146		07/18/2019 14:53
Nitrobenzene-d5	96	47-147		07/18/2019 14:53
2-Fluorobiphenyl	72	46-141		07/18/2019 14:53
2,4,6-Tribromophenol	84	25-166		07/18/2019 14:53
4-Terphenyl-d14	77	39-153		07/18/2019 14:53

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW3050B
Date Prepared:	7/17/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**ICP-MS2 131SMPL.D**	**181784**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.80**		0.50	1	07/18/2019 11:11
Arsenic	**8.2**		0.50	1	07/18/2019 11:11
Barium	**150**		5.0	1	07/18/2019 11:11
Beryllium	**0.53**		0.50	1	07/18/2019 11:11
Cadmium	**0.71**		0.25	1	07/18/2019 11:11
Chromium	**65**		0.50	1	07/18/2019 11:11
Cobalt	**10**		0.50	1	07/18/2019 11:11
Copper	**42**		0.50	1	07/18/2019 11:11
Lead	**48**		0.50	1	07/18/2019 11:11
Mercury	**0.82**	B	0.050	1	07/18/2019 11:11
Molybdenum	**2.1**		0.50	1	07/18/2019 11:11
Nickel	**73**		0.50	1	07/18/2019 11:11
Selenium	ND		0.50	1	07/18/2019 11:11
Silver	ND		0.50	1	07/18/2019 11:11
Thallium	ND		0.50	1	07/18/2019 11:11
Vanadium	**52**		0.50	1	07/18/2019 11:11
Zinc	**130**		5.0	1	07/18/2019 11:11

Surrogates	REC (%)	Limits	
Terbium	100	70-130	07/18/2019 11:11

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW5035
Date Prepared:	7/17/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-14-5.0 A	1907819-001A	Soil	07/16/2019 09:45	GC19 07171938.D	181779

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.4**	1.0	1	07/18/2019 06:02
MTBE	---	0.050	1	07/18/2019 06:02
Benzene	---	0.0050	1	07/18/2019 06:02
Toluene	---	0.0050	1	07/18/2019 06:02
Ethylbenzene	---	0.0050	1	07/18/2019 06:02
m,p-Xylene	---	0.010	1	07/18/2019 06:02
o-Xylene	---	0.0050	1	07/18/2019 06:02
Xylenes	---	0.0050	1	07/18/2019 06:02

Surrogates	REC (%)	Limits	
2-Fluorotoluene	76	62-126	07/18/2019 06:02

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-15-5.0 A	1907819-002A	Soil	07/16/2019 09:55	GC19 07171939.D	181779

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.8**	1.0	1	07/18/2019 06:33
MTBE	---	0.050	1	07/18/2019 06:33
Benzene	---	0.0050	1	07/18/2019 06:33
Toluene	---	0.0050	1	07/18/2019 06:33
Ethylbenzene	---	0.0050	1	07/18/2019 06:33
m,p-Xylene	---	0.010	1	07/18/2019 06:33
o-Xylene	---	0.0050	1	07/18/2019 06:33
Xylenes	---	0.0050	1	07/18/2019 06:33

Surrogates	REC (%)	Limits	
2-Fluorotoluene	81	62-126	07/18/2019 06:33

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW5035
Date Prepared:	7/17/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC19 07171941.D**	**181779**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.4**	1.0	1	07/18/2019 07:34
MTBE	**---**	0.050	1	07/18/2019 07:34
Benzene	**---**	0.0050	1	07/18/2019 07:34
Toluene	**---**	0.0050	1	07/18/2019 07:34
Ethylbenzene	**---**	0.0050	1	07/18/2019 07:34
m,p-Xylene	**---**	0.010	1	07/18/2019 07:34
o-Xylene	**---**	0.0050	1	07/18/2019 07:34
Xylenes	**---**	0.0050	1	07/18/2019 07:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	82	62-126	07/18/2019 07:34

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	SW3550B
Date Prepared:	7/17/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-14-5.0 A	**1907819-001A**	**Soil**	**07/16/2019 09:45**	**GC11A 07171980.D**	**181785**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**24**	10	10	07/18/2019 10:50

Surrogates	REC (%)	Limits	
C9	101	74-123	07/18/2019 10:50

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-15-5.0 A	**1907819-002A**	**Soil**	**07/16/2019 09:55**	**GC6A 07171958.D**	**181785**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**8.2**	1.0	1	07/18/2019 04:00

Surrogates	REC (%)	Limits	
C9	95	74-123	07/18/2019 04:00

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**GC11A 07171956.D**	**181785**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**260**	50	50	07/18/2019 03:12
TPH-Motor Oil (C18-C36)	**1600**	250	50	07/18/2019 03:12

Surrogates	REC (%)	Limits	
C9	111	74-123	07/18/2019 03:12

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.10			0.12	82	66-112
Toluene-d8	0.11			0.12	86,F3	92-109
4-BFB	0.011			0.012	87	72-112
Benzene-d6	0.082			0.10	82	81-126
Ethylbenzene-d10	0.094			0.10	94	92-138
1,2-DCB-d4	0.071			0.10	71	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.23	0.23	0.20	113	114	59-127	0.595	20
tert-Amyl methyl ether (TAME)	0.017	0.017	0.020	87	85	54-98	1.24	20
Benzene	0.019	0.018	0.020	94	91	71-115	3.07	20
Bromobenzene	0.019	0.019	0.020	95	95	69-120	0	20
Bromochloromethane	0.018	0.018	0.020	92	91	63-117	0.546	20
Bromodichloromethane	0.018	0.018	0.020	91	89	61-109	2.10	20
Bromoform	0.015	0.015	0.020	75	75	46-87	0	20
Bromomethane	0.014	0.013	0.020	68	67	22-195	0.877	20
2-Butanone (MEK)	0.087	0.089	0.080	109	111	53-124	1.20	20
t-Butyl alcohol (TBA)	0.081	0.080	0.080	101	100	29-142	1.19	20
n-Butyl benzene	0.026	0.026	0.020	132	132	102-169	0	20
sec-Butyl benzene	0.027	0.027	0.020	135	134	100-166	0.473	20
tert-Butyl benzene	0.025	0.025	0.020	124	125	91-153	1.10	20
Carbon Disulfide	0.019	0.018	0.020	93	88	60-125	5.34	20
Carbon Tetrachloride	0.019	0.019	0.020	97	94	69-124	3.10	20
Chlorobenzene	0.019	0.018	0.020	93	91	73-116	2.27	20
Chloroethane	0.018	0.016	0.020	89	81	47-140	9.52	20
Chloroform	0.020	0.019	0.020	98	95	69-118	2.32	20
Chloromethane	0.013	0.013	0.020	67	64	30-132	5.51	20
2-Chlorotoluene	0.021	0.021	0.020	103	103	75-147	0	20
4-Chlorotoluene	0.021	0.021	0.020	107	106	75-137	1.23	20
Dibromochloromethane	0.018	0.017	0.020	88	87	57-105	1.56	20
1,2-Dibromo-3-chloropropane	0.0093	0.0054	0.010	93	54	36-103	54.1,F2	20
1,2-Dibromoethane (EDB)	0.0091	0.0090	0.010	91	90	66-101	1.39	20
Dibromomethane	0.018	0.018	0.020	89	88	61-103	1.17	20
1,2-Dichlorobenzene	0.015	0.015	0.020	75	73	59-104	2.53	20
1,3-Dichlorobenzene	0.019	0.019	0.020	95	94	70-133	1.20	20
1,4-Dichlorobenzene	0.018	0.018	0.020	90	89	68-123	0.954	20
Dichlorodifluoromethane	0.0057	0.0053	0.020	29	26	13-107	8.51	20
1,1-Dichloroethane	0.019	0.019	0.020	97	94	69-118	3.19	20
1,2-Dichloroethane (1,2-DCA)	0.019	0.019	0.020	95	94	59-112	1.28	20
1,1-Dichloroethene	0.018	0.017	0.020	89	85	69-126	4.79	20
cis-1,2-Dichloroethene	0.020	0.019	0.020	98	94	69-116	3.99	20
trans-1,2-Dichloroethene	0.019	0.019	0.020	96	93	73-116	2.72	20
1,2-Dichloropropane	0.019	0.018	0.020	93	91	65-111	2.22	20
1,3-Dichloropropane	0.019	0.019	0.020	97	96	67-110	0.908	20
2,2-Dichloropropane	0.020	0.020	0.020	102	99	65-125	3.54	20
1,1-Dichloropropene	0.020	0.019	0.020	98	95	70-123	2.94	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.020	0.019	0.020	99	97	68-126	2.09	20
trans-1,3-Dichloropropene	0.019	0.018	0.020	93	91	69-117	1.57	20
Diisopropyl ether (DIPE)	0.018	0.018	0.020	91	89	57-110	2.44	20
Ethylbenzene	0.021	0.021	0.020	107	105	80-128	1.90	20
Ethyl tert-butyl ether (ETBE)	0.018	0.017	0.020	88	86	54-106	2.50	20
Freon 113	0.016	0.016	0.020	82	79	60-108	4.10	20
Hexachlorobutadiene	0.020	0.017	0.020	100	85	67-182	15.8	20
Hexachloroethane	0.022	0.022	0.020	111	110	85-156	1.10	20
2-Hexanone	0.017	0.017	0.020	85	86	37-90	0.657	20
Isopropylbenzene	0.021	0.020	0.020	103	102	64-167	1.03	20
4-Isopropyl toluene	0.024	0.024	0.020	118	118	88-167	0	20
Methyl-t-butyl ether (MTBE)	0.018	0.018	0.020	92	91	60-102	1.07	20
Methylene chloride	0.019	0.018	0.020	94	91	71-117	3.46	20
4-Methyl-2-pentanone (MIBK)	0.016	0.016	0.020	79	79	48-90	0	20
Naphthalene	0.010	0.0099	0.020	51	50	29-65	3.26	20
n-Propyl benzene	0.025	0.025	0.020	125	125	88-161	0	20
Styrene	0.019	0.018	0.020	93	92	70-108	0.954	20
1,1,1,2-Tetrachloroethane	0.019	0.019	0.020	96	94	69-117	1.49	20
1,1,2,2-Tetrachloroethane	0.016	0.016	0.020	81	82	53-96	0.739	20
Tetrachloroethene	0.022	0.021	0.020	108	105	78-128	2.19	20
Toluene	0.021	0.020	0.020	103	101	78-121	1.43	20
1,2,3-Trichlorobenzene	0.012	0.011	0.020	58	57	35-80	2.76	20
1,2,4-Trichlorobenzene	0.013	0.013	0.020	64	63	46-101	3.08	20
1,1,1-Trichloroethane	0.019	0.019	0.020	97	93	69-121	3.33	20
1,1,2-Trichloroethane	0.020	0.018	0.020	98	89	64-104	10.5	20
Trichloroethene	0.020	0.019	0.020	99	95	73-118	3.97	20
Trichlorofluoromethane	0.017	0.017	0.020	87	84	31-119	4.35	20
1,2,3-Trichloropropane	0.0092	0.0095	0.010	92	95	65-107	2.72	20
1,2,4-Trimethylbenzene	0.023	0.023	0.020	116	117	80-147	0.966	20
1,3,5-Trimethylbenzene	0.024	0.024	0.020	120	121	83-156	0.747	20
Vinyl Chloride	0.0064	0.0062	0.010	64	62	40-125	3.78	20
m,p-Xylene	0.041	0.041	0.040	104	101	80-122	2.28	20
o-Xylene	0.020	0.020	0.020	102	100	79-116	1.54	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181765
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181765

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.10	0.10	0.12	81	82	66-112	0.803	20
Toluene-d8	0.11	0.11	0.12	86, F3	86, F3	92-109	0	20
4-BFB	0.011	0.011	0.012	86	86	72-112	0	20
Benzene-d6	0.084	0.084	0.10	84	84	81-126	0	20
Ethylbenzene-d10	0.093	0.093	0.10	93	93	92-138	0	20
1,2-DCB-d4	0.073	0.072	0.10	73	72	68-108	0.559	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.1			1.25	89	54-131
Phenol-d5	1.1			1.25	87	52-129
Nitrobenzene-d5	0.94			1.25	75	43-127
2-Fluorobiphenyl	0.92			1.25	73	42-116
2,4,6-Tribromophenol	0.96			1.25	76	39-119
4-Terphenyl-d14	0.84			1.25	67	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.3	2.4	2.5	92	95	69-130	3.27	30
1,2-Dichlorobenzene	2.2	2.3	2.5	87	91	68-114	4.44	30
1,2-Diphenylhydrazine	1.7	1.8	2.5	68	72	62-142	5.25	30
1,3-Dichlorobenzene	2.2	2.4	2.5	89	94	69-116	5.83	30
1,4-Dichlorobenzene	2.4	2.5	2.5	95	99	64-117	4.14	30
1-Methylnaphthalene	0.11	0.12	0.12	91	95	65-134	4.39	30
2,4,5-Trichlorophenol	0.12	0.12	0.12	92	98	68-150	6.02	30
2,4,6-Trichlorophenol	0.11	0.12	0.12	87	92	70-144	6.41	30
2,4-Dichlorophenol	2.0	2.1	2.5	81	84	78-144	4.08	30
2,4-Dimethylphenol	2.3	2.3	2.5	92	93	71-152	1.91	30
2,4-Dinitrophenol	2.1	2.5	0.62	340, F2	395, F2	1-156	14.9	30
2,4-Dinitrotoluene	0.13	0.14	0.12	102	109	68-144	6.55	30
2,6-Dinitrotoluene	0.12	0.13	0.12	94	102	69-148	7.81	30
2-Chloronaphthalene	1.9	2.0	2.5	77	80	71-133	3.25	30
2-Chlorophenol	0.11	0.11	0.12	88	92	73-133	4.57	30
2-Methylnaphthalene	0.12	0.12	0.12	94	98	72-139	4.77	30
2-Methylphenol (o-Cresol)	2.2	2.3	2.5	86	90	69-138	4.86	30
2-Nitroaniline	9.6	10	12.5	77	81	72-143	5.56	30
2-Nitrophenol	11	12	12.5	91	95	80-141	3.86	30
3 & 4-Methylphenol (m,p-Cresol)	2.2	2.4	2.5	89	95	69-128	5.81	30
3,3-Dichlorobenzidine	0.073	0.077	0.12	59	62	11-163	5.40	30
3-Nitroaniline	8.8	9.4	12.5	70	75	57-122	6.71	30
4,6-Dinitro-2-methylphenol	8.4	9.0	12.5	67	72	14-155	7.74	30
4-Bromophenyl Phenyl Ether	2.1	2.2	2.5	83	88	68-136	5.71	30
4-Chloro-3-methylphenol	2.3	2.4	2.5	93	96	78-149	2.99	30
4-Chloroaniline	0.097	0.10	0.12	78	83	46-130	6.96	30
4-Chlorophenyl Phenyl Ether	2.1	2.2	2.5	83	88	71-132	5.97	30
4-Nitroaniline	10	11	12.5	81	85	68-133	4.07	30
4-Nitrophenol	9.7	10	12.5	77	81	67-144	4.18	30
Acenaphthene	0.10	0.11	0.12	81	87	68-134	6.60	30
Acenaphthylene	0.11	0.12	0.12	88	93	65-141	5.09	30
Anthracene	0.10	0.11	0.12	82	85	65-147	4.21	30
Benzidine	4.6	4.9	12.5	36	39	7-97	6.73	30
Benzo (a) anthracene	0.10	0.11	0.12	81	85	61-136	3.77	30
Benzo (a) pyrene	0.11	0.12	0.12	92	95	59-150	3.27	30
Benzo (b) fluoranthene	0.11	0.12	0.12	89	94	43-160	5.23	30
Benzo (g,h,i) perylene	0.10	0.11	0.12	83	85	54-142	2.52	30
Benzo (k) fluoranthene	0.11	0.11	0.12	88	91	59-141	2.67	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	10	10	12.5	80	84	48-145	4.74	30
Bis (2-chloroethoxy) Methane	1.9	2.0	2.5	75	79	71-138	4.88	30
Bis (2-chloroethyl) Ether	0.10	0.11	0.12	83	86	60-128	4.30	30
Bis (2-chloroisopropyl) Ether	0.10	0.11	0.12	80	91	67-129	12.4	30
Bis (2-ethylhexyl) Adipate	1.8	1.9	2.5	71	75	56-162	4.59	30
Bis (2-ethylhexyl) Phthalate	0.11	0.12	0.12	91	94	49-168	3.53	30
Butylbenzyl Phthalate	0.12	0.12	0.12	92	96	57-161	4.19	30
Chrysene	0.10	0.11	0.12	82	86	58-140	3.77	30
Dibenzo (a,h) anthracene	0.11	0.11	0.12	87	90	57-151	2.90	30
Dibenzofuran	1.9	2.0	2.5	77	82	70-134	6.09	30
Diethyl Phthalate	0.11	0.11	0.12	85	91	67-146	6.37	30
Dimethyl Phthalate	0.11	0.12	0.12	89	94	70-135	5.11	30
Di-n-butyl Phthalate	0.11	0.11	0.12	86	89	65-147	3.95	30
Di-n-octyl Phthalate	0.14	0.14	0.12	113	116	51-175	2.69	30
Fluoranthene	0.12	0.13	0.12	99	102	66-146	3.16	30
Fluorene	0.12	0.12	0.12	93	97	72-142	4.61	30
Hexachlorobenzene	0.10	0.11	0.12	82	85	65-127	3.51	30
Hexachlorobutadiene	0.11	0.11	0.12	86	88	68-131	2.67	30
Hexachlorocyclopentadiene	6.6	7.2	12.5	53	58	38-134	8.50	30
Hexachloroethane	0.10	0.11	0.12	83	87	57-117	4.86	30
Indeno (1,2,3-cd) pyrene	0.11	0.11	0.12	86	89	57-145	2.86	30
Isophorone	1.9	2.0	2.5	77	79	69-139	2.46	30
Naphthalene	0.11	0.12	0.12	90	93	64-127	4.08	30
Nitrobenzene	1.9	2.1	2.5	78	82	66-136	5.65	30
N-Nitrosodi-n-propylamine	1.9	2.0	2.5	77	81	74-118	5.56	30
N-Nitrosodiphenylamine	1.8	1.9	2.5	74	77	67-138	3.59	30
Pentachlorophenol	0.59	0.61	0.62	95	98	50-153	3.17	30
Phenanthrene	0.096	0.10	0.12	77	80	66-129	4.44	30
Phenol	0.49	0.51	0.50	97	103	58-136	5.37	30
Pyrene	0.11	0.11	0.12	84	87	55-148	3.60	30
Pyridine	1.5	1.6	2.5	60	62	46-93	4.01	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/18/19	**BatchID:**	181865
Date Analyzed:	7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181865

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.2	1.3	1.25	93	105	68-128	12.0	30
Phenol-d5	1.1	1.3	1.25	92	102	73-121	10.6	30
Nitrobenzene-d5	0.99	1.1	1.25	80	88	59-138	10.5	30
2-Fluorobiphenyl	0.98	1.1	1.25	78	88	59-129	11.3	30
2,4,6-Tribromophenol	0.95	1.1	1.25	76	86	46-142	12.2	30
4-Terphenyl-d14	0.98	1.1	1.25	78	88	50-143	11.2	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181784
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181784

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.0055,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	490			500	99	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181784
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181784

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	48	49	50	97	99	75-125	1.70	20
Arsenic	49	49	50	98	99	75-125	1.12	20
Barium	490	490	500	98	98	75-125	0	20
Beryllium	49	50	50	97	100	75-125	2.56	20
Cadmium	47	48	50	94	95	75-125	0.823	20
Chromium	48	48	50	96	97	75-125	0.832	20
Cobalt	47	47	50	94	95	75-125	1.34	20
Copper	49	50	50	98	100	75-125	2.12	20
Lead	46	47	50	93	94	75-125	1.05	20
Mercury	1.2	1.2	1.25	98	100	75-125	1.21	20
Molybdenum	48	48	50	96	97	75-125	1.29	20
Nickel	49	50	50	98	101	75-125	2.19	20
Selenium	48	49	50	96	97	75-125	1.87	20
Silver	47	48	50	94	95	75-125	1.68	20
Thallium	46	47	50	93	94	75-125	1.14	20
Vanadium	48	48	50	96	97	75-125	1.43	20
Zinc	480	500	500	97	100	75-125	3.02	20
Surrogate Recovery								
Terbium	490	500	500	98	100	70-130	2.19	20

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"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181779
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181779

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.13,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.089			0.10	89	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.54	0.56	0.60	90	93	82-118	3.07	20
MTBE	0.085	0.081	0.10	85	81	61-119	4.40	20
Benzene	0.092	0.094	0.10	92	94	77-128	2.55	20
Toluene	0.096	0.097	0.10	96	97	74-132	1.75	20
Ethylbenzene	0.097	0.096	0.10	97	96	84-127	0.212	20
m,p-Xylene	0.20	0.20	0.20	101	100	80-120	0.707	20
o-Xylene	0.10	0.099	0.10	100	99	80-120	1.14	20
Surrogate Recovery								
2-Fluorotoluene	0.092	0.094	0.10	92	94	75-134	1.85	20

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/17/19	**BatchID:**	181785
Date Analyzed:	7/17/19 - 7/18/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-181785

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	93	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	105	103	75-128	1.96	30
Surrogate Recovery								
C9	23	23	25	91	90	72-122	0.609	30

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907819 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **07/17/2019**
Date Logged: **07/17/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907819-001	Area E-S-14-5.0 A	Soil	7/16/2019 09:45	☐				A	A							
1907819-002	Area E-S-15-5.0 A	Soil	7/16/2019 09:55	☐				A	A							
1907819-003	Debris Pile	Soil	7/16/2019 10:17	☐	A	A	A	A	A							

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampIDs: 001A, 002A, 003A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments

Work Order: 1907819
QC Level: LEVEL 2
Date Logged: 7/17/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907819-001A	Area E-S-14-5.0 A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/16/2019 9:45	1 day		☐	
1907819-002A	Area E-S-15-5.0 A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/16/2019 9:55	1 day		☐	
1907819-003A	Debris Pile	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	7/16/2019 10:17	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

PLZ cc: gstafford@langan.com 12865 1407819

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

- [X] 135 main 1500 94105 ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

RUSH

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: ~~24 hours~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g/d	TPH d/mo	VOCs	SVOCs	CAM17 Metals	Silica gel clean-up	Hold	Remarks
AREA E-S-14-5.0A	7/16/19	9:45		X							X	X							
AREA E-S-15-5.0A	7/16/19	9:55		X								X							
1	7/16/19	10:10		X															* Please composite 1, 2, 3, 4 into Debris pile **
2	7/16/19	10:13																	
3	7/16/19	10:15																	
4	7/16/19	10:17																	
Debris Pile													X	X	X	X			

	Date	Time		Date	Time
Relinquished by: (Signature)	7/17/19	1610	Received by: (Signature) UAP	7/17/19	1010
Relinquished by: (Signature) UAP	7/17/19	1600	Received by: (Signature)	7/17/19	1600 1.4wet
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**7/17/2019 16:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**7/17/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1907819** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.4°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1907819 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/17/2019

Analytical Report reviewed & approved for release on 07/22/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907819 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907819
Date Received:	7/17/19 16:00	**Extraction Method:**	CA Title 22
Date Prepared:	7/20/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907819-003A**	**Soil**	**07/16/2019 10:17**	**ICP-MS2 086SMPL.D**	**182026**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.43**	0.10	1	07/22/2019 17:52

Analyst(s): MIG

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907819
Date Prepared:	7/20/19	**BatchID:**	182026
Date Analyzed:	7/22/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182026

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.5	9.8	10	95	98	75-125	3.10	20

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907819 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 07/17/2019
Date Logged: 07/17/2019
Date Add-On: 07/19/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907819-003	Debris Pile	Soil	7/16/2019 10:17	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC Cr added to 003 7/19/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC Cr added to 003 7/19/19 Rush TAT.

Work Order: 1907819
QC Level: LEVEL 2
Date Logged: 7/17/2019
Date Add-On: 7/19/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907819-003A	Debris Pile	Soil	SW6020 (Chromium) (STLC)	4 / (4:1)	Stainless Steel tube 2"x6"	7/16/2019 10:17	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

PLZ cc: gstafford@langan.com 12865 190781 9

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

[X] 135 main 1500 94105 555 ~~Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

RUSH!

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: ~~24 hours~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	TPH d/l/o/mo	VOCs	SVOCs	CAM17 Metals	STLC Cr								Silica gel clean-up	Hold	Remarks
AREA E-S-14-5.0A	7/16/19	9:45		X							X		X															
AREA E-S-15-5.0A	7/16/19	9:55		X									X															
1	7/16/19	10:10		X																								* Please composite 1, 2, 3, 4 into Debris Pile * *
2	7/16/19	10:13																										
3	7/16/19	10:15																										
4	7/16/19	10:17																										
Debris Pile														X	X	X	X	X									

Relinquished by: (Signature)	Date: 7/17/19	Time 1610	Received by: (Signature) LAP	Date 7/17/19	Time 1010
Relinquished by: (Signature) LAP	Date: 7/17/19	Time 1600	Received by: (Signature)	Date 7/17/19	Time 1600 1.4wat
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical
Laboratory Comments/Notes: added 7/19/19 RUSH TAT

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1907963

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/19/2019

Analytical Report reviewed & approved for release on 07/24/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907963

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907963

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits
a3	Sample diluted due to high organic content.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.
F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5030B
Date Prepared:	7/19/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907963-006A**	**Soil**	**07/18/2019 14:17**	**GC16 07211905.D**	**182007**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/21/2019 15:57
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/21/2019 15:57
Benzene	ND	0.0050	1	07/21/2019 15:57
Bromobenzene	ND	0.0050	1	07/21/2019 15:57
Bromochloromethane	ND	0.0050	1	07/21/2019 15:57
Bromodichloromethane	ND	0.0050	1	07/21/2019 15:57
Bromoform	ND	0.0050	1	07/21/2019 15:57
Bromomethane	ND	0.0050	1	07/21/2019 15:57
2-Butanone (MEK)	ND	0.050	1	07/21/2019 15:57
t-Butyl alcohol (TBA)	ND	0.050	1	07/21/2019 15:57
n-Butyl benzene	ND	0.0050	1	07/21/2019 15:57
sec-Butyl benzene	ND	0.0050	1	07/21/2019 15:57
tert-Butyl benzene	ND	0.0050	1	07/21/2019 15:57
Carbon Disulfide	ND	0.0050	1	07/21/2019 15:57
Carbon Tetrachloride	ND	0.0050	1	07/21/2019 15:57
Chlorobenzene	ND	0.0050	1	07/21/2019 15:57
Chloroethane	ND	0.0050	1	07/21/2019 15:57
Chloroform	ND	0.0050	1	07/21/2019 15:57
Chloromethane	ND	0.0050	1	07/21/2019 15:57
2-Chlorotoluene	ND	0.0050	1	07/21/2019 15:57
4-Chlorotoluene	ND	0.0050	1	07/21/2019 15:57
Dibromochloromethane	ND	0.0050	1	07/21/2019 15:57
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/21/2019 15:57
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/21/2019 15:57
Dibromomethane	ND	0.0050	1	07/21/2019 15:57
1,2-Dichlorobenzene	ND	0.0050	1	07/21/2019 15:57
1,3-Dichlorobenzene	ND	0.0050	1	07/21/2019 15:57
1,4-Dichlorobenzene	ND	0.0050	1	07/21/2019 15:57
Dichlorodifluoromethane	ND	0.0050	1	07/21/2019 15:57
1,1-Dichloroethane	ND	0.0050	1	07/21/2019 15:57
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/21/2019 15:57
1,1-Dichloroethene	ND	0.0050	1	07/21/2019 15:57
cis-1,2-Dichloroethene	ND	0.0050	1	07/21/2019 15:57
trans-1,2-Dichloroethene	ND	0.0050	1	07/21/2019 15:57
1,2-Dichloropropane	ND	0.0050	1	07/21/2019 15:57
1,3-Dichloropropane	ND	0.0050	1	07/21/2019 15:57
2,2-Dichloropropane	ND	0.0050	1	07/21/2019 15:57

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5030B
Date Prepared:	7/19/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907963-006A	Soil	07/18/2019 14:17	GC16 07211905.D	182007

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/21/2019 15:57
cis-1,3-Dichloropropene	ND	0.0050	1	07/21/2019 15:57
trans-1,3-Dichloropropene	ND	0.0050	1	07/21/2019 15:57
Diisopropyl ether (DIPE)	ND	0.0050	1	07/21/2019 15:57
Ethylbenzene	ND	0.0050	1	07/21/2019 15:57
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/21/2019 15:57
Freon 113	ND	0.0050	1	07/21/2019 15:57
Hexachlorobutadiene	ND	0.0050	1	07/21/2019 15:57
Hexachloroethane	ND	0.0050	1	07/21/2019 15:57
2-Hexanone	ND	0.0050	1	07/21/2019 15:57
Isopropylbenzene	ND	0.0050	1	07/21/2019 15:57
4-Isopropyl toluene	ND	0.0050	1	07/21/2019 15:57
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/21/2019 15:57
Methylene chloride	ND	0.020	1	07/21/2019 15:57
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/21/2019 15:57
Naphthalene	ND	0.0050	1	07/21/2019 15:57
n-Propyl benzene	ND	0.0050	1	07/21/2019 15:57
Styrene	ND	0.0050	1	07/21/2019 15:57
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/21/2019 15:57
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/21/2019 15:57
Tetrachloroethene	ND	0.0050	1	07/21/2019 15:57
Toluene	ND	0.0050	1	07/21/2019 15:57
1,2,3-Trichlorobenzene	ND	0.0050	1	07/21/2019 15:57
1,2,4-Trichlorobenzene	ND	0.0050	1	07/21/2019 15:57
1,1,1-Trichloroethane	ND	0.0050	1	07/21/2019 15:57
1,1,2-Trichloroethane	ND	0.0050	1	07/21/2019 15:57
Trichloroethene	ND	0.0050	1	07/21/2019 15:57
Trichlorofluoromethane	ND	0.0050	1	07/21/2019 15:57
1,2,3-Trichloropropane	ND	0.0050	1	07/21/2019 15:57
1,2,4-Trimethylbenzene	ND	0.0050	1	07/21/2019 15:57
1,3,5-Trimethylbenzene	ND	0.0050	1	07/21/2019 15:57
Vinyl Chloride	ND	0.0050	1	07/21/2019 15:57
m,p-Xylene	ND	0.0050	1	07/21/2019 15:57
o-Xylene	ND	0.0050	1	07/21/2019 15:57
Xylenes, Total	ND	0.0050	1	07/21/2019 15:57

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5030B
Date Prepared:	7/19/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907963-006A**	**Soil**	**07/18/2019 14:17**	**GC16 07211905.D**	**182007**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	94	66-116		07/21/2019 15:57
Toluene-d8	107	86-110		07/21/2019 15:57
4-BFB	85	71-114		07/21/2019 15:57
Benzene-d6	76	62-122		07/21/2019 15:57
Ethylbenzene-d10	106	69-130		07/21/2019 15:57
1,2-DCB-d4	77	55-108		07/21/2019 15:57

Analyst(s): HK

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	7/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907963-006A	Soil	07/18/2019 14:17	GC17 07221917.D	182058

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.010	1	07/22/2019 16:49
Acenaphthylene	ND	0.010	1	07/22/2019 16:49
Acetochlor	ND	2.0	1	07/22/2019 16:49
Anthracene	ND	0.010	1	07/22/2019 16:49
Benzidine	ND	10	1	07/22/2019 16:49
Benzo (a) anthracene	**0.049**	0.040	1	07/22/2019 16:49
Benzo (a) pyrene	ND	0.020	1	07/22/2019 16:49
Benzo (b) fluoranthene	**0.014**	0.010	1	07/22/2019 16:49
Benzo (g,h,i) perylene	**0.023**	0.020	1	07/22/2019 16:49
Benzo (k) fluoranthene	**0.011**	0.010	1	07/22/2019 16:49
Benzyl Alcohol	ND	10	1	07/22/2019 16:49
1,1-Biphenyl	ND	0.10	1	07/22/2019 16:49
Bis (2-chloroethoxy) Methane	ND	2.0	1	07/22/2019 16:49
Bis (2-chloroethyl) Ether	ND	0.020	1	07/22/2019 16:49
Bis (2-chloroisopropyl) Ether	ND	0.020	1	07/22/2019 16:49
Bis (2-ethylhexyl) Adipate	ND	4.0	1	07/22/2019 16:49
Bis (2-ethylhexyl) Phthalate	ND	0.040	1	07/22/2019 16:49
4-Bromophenyl Phenyl Ether	ND	2.0	1	07/22/2019 16:49
Butylbenzyl Phthalate	ND	0.20	1	07/22/2019 16:49
4-Chloroaniline	ND	0.020	1	07/22/2019 16:49
4-Chloro-3-methylphenol	ND	2.0	1	07/22/2019 16:49
2-Chloronaphthalene	ND	2.0	1	07/22/2019 16:49
2-Chlorophenol	ND	0.040	1	07/22/2019 16:49
4-Chlorophenyl Phenyl Ether	ND	2.0	1	07/22/2019 16:49
Chrysene	**0.022**	0.020	1	07/22/2019 16:49
Dibenzo (a,h) anthracene	ND	0.020	1	07/22/2019 16:49
Dibenzofuran	ND	2.0	1	07/22/2019 16:49
Di-n-butyl Phthalate	ND	0.020	1	07/22/2019 16:49
1,2-Dichlorobenzene	ND	2.0	1	07/22/2019 16:49
1,3-Dichlorobenzene	ND	2.0	1	07/22/2019 16:49
1,4-Dichlorobenzene	ND	2.0	1	07/22/2019 16:49
3,3-Dichlorobenzidine	ND	0.020	1	07/22/2019 16:49
2,4-Dichlorophenol	ND	0.10	1	07/22/2019 16:49
Diethyl Phthalate	ND	0.040	1	07/22/2019 16:49
2,4-Dimethylphenol	ND	2.0	1	07/22/2019 16:49
Dimethyl Phthalate	ND	0.020	1	07/22/2019 16:49
4,6-Dinitro-2-methylphenol	ND	10	1	07/22/2019 16:49

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	7/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907963-006A	Soil	07/18/2019 14:17	GC17 07221917.D	182058

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1.0	1	07/22/2019 16:49
2,4-Dinitrotoluene	ND	0.050	1	07/22/2019 16:49
2,6-Dinitrotoluene	ND	0.020	1	07/22/2019 16:49
Di-n-octyl Phthalate	ND	0.040	1	07/22/2019 16:49
1,2-Diphenylhydrazine	ND	2.0	1	07/22/2019 16:49
Fluoranthene	**0.072**	0.010	1	07/22/2019 16:49
Fluorene	ND	0.020	1	07/22/2019 16:49
Hexachlorobenzene	ND	0.010	1	07/22/2019 16:49
Hexachlorobutadiene	ND	0.020	1	07/22/2019 16:49
Hexachlorocyclopentadiene	ND	16	1	07/22/2019 16:49
Hexachloroethane	ND	0.020	1	07/22/2019 16:49
Indeno (1,2,3-cd) pyrene	ND	0.020	1	07/22/2019 16:49
Isophorone	ND	2.0	1	07/22/2019 16:49
1-Methylnaphthalene	**0.012**	0.010	1	07/22/2019 16:49
2-Methylnaphthalene	ND	0.020	1	07/22/2019 16:49
2-Methylphenol (o-Cresol)	ND	4.0	1	07/22/2019 16:49
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	07/22/2019 16:49
Naphthalene	**0.26**	0.010	1	07/22/2019 16:49
2-Nitroaniline	ND	10	1	07/22/2019 16:49
3-Nitroaniline	ND	10	1	07/22/2019 16:49
4-Nitroaniline	ND	10	1	07/22/2019 16:49
Nitrobenzene	ND	2.0	1	07/22/2019 16:49
2-Nitrophenol	ND	10	1	07/22/2019 16:49
4-Nitrophenol	ND	10	1	07/22/2019 16:49
N-Nitrosodiphenylamine	ND	2.0	1	07/22/2019 16:49
N-Nitrosodi-n-propylamine	ND	2.0	1	07/22/2019 16:49
Pentachlorophenol	ND	0.25	1	07/22/2019 16:49
Phenanthrene	ND	0.040	1	07/22/2019 16:49
Phenol	ND	0.040	1	07/22/2019 16:49
Pyrene	**0.056**	0.020	1	07/22/2019 16:49
Pyridine	ND	2.0	1	07/22/2019 16:49
1,2,4-Trichlorobenzene	ND	2.0	1	07/22/2019 16:49
2,4,5-Trichlorophenol	ND	0.020	1	07/22/2019 16:49
2,4,6-Trichlorophenol	ND	0.10	1	07/22/2019 16:49

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	7/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907963-006A**	**Soil**	**07/18/2019 14:17**	**GC17 07221917.D**	**182058**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	91	56-152		07/22/2019 16:49
Phenol-d5	77	54-146		07/22/2019 16:49
Nitrobenzene-d5	79	47-147		07/22/2019 16:49
2-Fluorobiphenyl	71	46-141		07/22/2019 16:49
2,4,6-Tribromophenol	60	25-166		07/22/2019 16:49
4-Terphenyl-d14	66	39-153		07/22/2019 16:49

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3050B
Date Prepared:	7/19/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907963-006A	Soil	07/18/2019 14:17	ICP-MS2 039SMPL.D	182013

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.63**		0.50	1	07/22/2019 13:03
Arsenic	**7.1**		0.50	1	07/22/2019 13:03
Barium	**140**		5.0	1	07/22/2019 13:03
Beryllium	**0.52**		0.50	1	07/22/2019 13:03
Cadmium	**0.40**		0.25	1	07/22/2019 13:03
Chromium	**65**		0.50	1	07/22/2019 13:03
Cobalt	**14**		0.50	1	07/22/2019 13:03
Copper	**33**		0.50	1	07/22/2019 13:03
Lead	**22**		0.50	1	07/22/2019 13:03
Mercury	**0.30**	B	0.050	1	07/22/2019 13:03
Molybdenum	**0.93**		0.50	1	07/22/2019 13:03
Nickel	**70**		0.50	1	07/22/2019 13:03
Selenium	ND		0.50	1	07/22/2019 13:03
Silver	**1.0**		0.50	1	07/22/2019 13:03
Thallium	ND		0.50	1	07/22/2019 13:03
Vanadium	**61**		0.50	1	07/22/2019 13:03
Zinc	**97**		5.0	1	07/22/2019 13:03

Surrogates	REC (%)	Limits	
Terbium	103	70-130	07/22/2019 13:03

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	7/19/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-16-5.0	**1907963-001A**	**Soil**	**07/18/2019 13:40**	**GC19 07221910.D**	**182012**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**190**	20	20	07/22/2019 16:08
MTBE	---	1.0	20	07/22/2019 16:08
Benzene	---	0.10	20	07/22/2019 16:08
Toluene	---	0.10	20	07/22/2019 16:08
Ethylbenzene	---	0.10	20	07/22/2019 16:08
m,p-Xylene	---	0.20	20	07/22/2019 16:08
o-Xylene	---	0.10	20	07/22/2019 16:08
Xylenes	---	0.10	20	07/22/2019 16:08

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	49	S	62-126	07/22/2019 16:08

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-17-5.0	**1907963-002A**	**Soil**	**07/18/2019 13:45**	**GC3 07221911.D**	**182012**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**130**	10	10	07/22/2019 16:06
MTBE	---	0.50	10	07/22/2019 16:06
Benzene	---	0.050	10	07/22/2019 16:06
Toluene	---	0.050	10	07/22/2019 16:06
Ethylbenzene	---	0.050	10	07/22/2019 16:06
m,p-Xylene	---	0.10	10	07/22/2019 16:06
o-Xylene	---	0.050	10	07/22/2019 16:06
Xylenes	---	0.050	10	07/22/2019 16:06

Surrogates	REC (%)	Limits	
aaa-TFT	87	72-123	07/22/2019 16:06

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	7/19/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-18-5.0	**1907963-003A**	**Soil**	**07/18/2019 13:50**	**GC19 07221912.D**	**182012**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.8**	1.0	1	07/22/2019 17:19
MTBE	**---**	0.050	1	07/22/2019 17:19
Benzene	**---**	0.0050	1	07/22/2019 17:19
Toluene	**---**	0.0050	1	07/22/2019 17:19
Ethylbenzene	**---**	0.0050	1	07/22/2019 17:19
m,p-Xylene	**---**	0.010	1	07/22/2019 17:19
o-Xylene	**---**	0.0050	1	07/22/2019 17:19
Xylenes	**---**	0.0050	1	07/22/2019 17:19

Surrogates	REC (%)	Limits	
2-Fluorotoluene	64	62-126	07/22/2019 17:19

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-19-5.0	**1907963-004A**	**Soil**	**07/18/2019 13:55**	**GC19 07221908.D**	**182012**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**9.1**	1.0	1	07/22/2019 15:04
MTBE	**---**	0.050	1	07/22/2019 15:04
Benzene	**---**	0.0050	1	07/22/2019 15:04
Toluene	**---**	0.0050	1	07/22/2019 15:04
Ethylbenzene	**---**	0.0050	1	07/22/2019 15:04
m,p-Xylene	**---**	0.010	1	07/22/2019 15:04
o-Xylene	**---**	0.0050	1	07/22/2019 15:04
Xylenes	**---**	0.0050	1	07/22/2019 15:04

Surrogates	REC (%)	Limits	
2-Fluorotoluene	74	62-126	07/22/2019 15:04

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW5035
Date Prepared:	7/19/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-20-5.0	1907963-005A	Soil	07/18/2019 13:58	GC19 07221909.D	182012

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**5.6**	1.0	1	07/22/2019 15:36
MTBE	---	0.050	1	07/22/2019 15:36
Benzene	---	0.0050	1	07/22/2019 15:36
Toluene	---	0.0050	1	07/22/2019 15:36
Ethylbenzene	---	0.0050	1	07/22/2019 15:36
m,p-Xylene	---	0.010	1	07/22/2019 15:36
o-Xylene	---	0.0050	1	07/22/2019 15:36
Xylenes	---	0.0050	1	07/22/2019 15:36

Surrogates	REC (%)	Limits	
2-Fluorotoluene	67	62-126	07/22/2019 15:36

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907963-006A	Soil	07/18/2019 14:17	GC3 07201927.D	182012

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/20/2019 23:39
MTBE	---	0.050	1	07/20/2019 23:39
Benzene	---	0.0050	1	07/20/2019 23:39
Toluene	---	0.0050	1	07/20/2019 23:39
Ethylbenzene	---	0.0050	1	07/20/2019 23:39
m,p-Xylene	---	0.010	1	07/20/2019 23:39
o-Xylene	---	0.0050	1	07/20/2019 23:39
Xylenes	---	0.0050	1	07/20/2019 23:39

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	62-126	07/20/2019 23:39

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	7/19/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-16-5.0	1907963-001A	Soil	07/18/2019 13:40	GC9b 07221915.D	182010

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1100**	500	500	07/22/2019 13:46

Surrogates	REC (%)	Qualifiers	Limits	
C9	67	S	74-123	07/22/2019 13:46

Analyst(s): JIS Analytical Comments: e7,e2,c1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-17-5.0	1907963-002A	Soil	07/18/2019 13:45	GC9b 07221919.D	182010

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**220**	20	20	07/22/2019 15:04

Surrogates	REC (%)	Limits	
C9	99	74-123	07/22/2019 15:04

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-18-5.0	1907963-003A	Soil	07/18/2019 13:50	GC11B 07221921.D	182010

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**30**	5.0	5	07/22/2019 15:56

Surrogates	REC (%)	Limits	
C9	91	74-123	07/22/2019 15:56

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-19-5.0	1907963-004A	Soil	07/18/2019 13:55	GC9a 07221920.D	182010

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**87**	10	10	07/22/2019 15:04

Surrogates	REC (%)	Limits	
C9	97	74-123	07/22/2019 15:04

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	SW3550B
Date Prepared:	7/19/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-20-5.0	**1907963-005A**	**Soil**	**07/18/2019 13:58**	**GC11A 07221910.D**	**182010**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**160**	50	50	07/22/2019 11:58

Surrogates	REC (%)	Limits	
C9	106	74-123	07/22/2019 11:58

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907963-006A**	**Soil**	**07/18/2019 14:17**	**GC9b 07221911.D**	**182010**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	10	10	07/22/2019 12:29
TPH-Motor Oil (C18-C36)	**53**	50	10	07/22/2019 12:29

Surrogates	REC (%)	Limits	
C9	85	74-123	07/22/2019 12:29

Analyst(s): JIS Analytical Comments: e7,a3

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.10			0.12	83	66-112
Toluene-d8	0.11			0.12	88,F3	92-109
4-BFB	0.010			0.012	83	72-112
Benzene-d6	0.079			0.10	79,F3	81-126
Ethylbenzene-d10	0.092			0.10	92	92-138
1,2-DCB-d4	0.071			0.10	71	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.19	0.20	0.20	97	98	59-127	0.544	20
tert-Amyl methyl ether (TAME)	0.015	0.016	0.020	77	78	54-98	1.35	20
Benzene	0.017	0.017	0.020	83	86	71-115	3.90	20
Bromobenzene	0.016	0.017	0.020	82	84	69-120	2.67	20
Bromochloromethane	0.017	0.017	0.020	83	85	63-117	2.36	20
Bromodichloromethane	0.016	0.017	0.020	82	85	61-109	4.34	20
Bromoform	0.013	0.013	0.020	63	65	46-87	2.41	20
Bromomethane	0.011	0.012	0.020	57	60	22-195	4.98	20
2-Butanone (MEK)	0.043	0.045	0.080	54	56	53-124	4.41	20
t-Butyl alcohol (TBA)	0.070	0.068	0.080	87	85	29-142	2.68	20
n-Butyl benzene	0.022	0.023	0.020	112	116	102-169	2.76	20
sec-Butyl benzene	0.022	0.023	0.020	112	117	100-166	3.82	20
tert-Butyl benzene	0.021	0.022	0.020	105	109	91-153	4.09	20
Carbon Disulfide	0.015	0.015	0.020	73	77	60-125	4.59	20
Carbon Tetrachloride	0.017	0.018	0.020	85	88	69-124	3.70	20
Chlorobenzene	0.016	0.017	0.020	82	85	73-116	2.54	20
Chloroethane	0.013	0.014	0.020	67	71	47-140	6.88	20
Chloroform	0.018	0.018	0.020	88	91	69-118	3.44	20
Chloromethane	0.0095	0.0098	0.020	47	49	30-132	3.14	20
2-Chlorotoluene	0.018	0.018	0.020	89	92	75-147	2.71	20
4-Chlorotoluene	0.018	0.019	0.020	91	95	75-137	3.68	20
Dibromochloromethane	0.015	0.016	0.020	76	78	57-105	2.14	20
1,2-Dibromo-3-chloropropane	0.0069	0.0070	0.010	69	70	36-103	0.277	20
1,2-Dibromoethane (EDB)	0.0079	0.0080	0.010	79	80	66-101	0.745	20
Dibromomethane	0.016	0.016	0.020	79	80	61-103	1.69	20
1,2-Dichlorobenzene	0.014	0.014	0.020	71	72	59-104	1.95	20
1,3-Dichlorobenzene	0.017	0.017	0.020	84	86	70-133	2.19	20
1,4-Dichlorobenzene	0.016	0.016	0.020	81	82	68-123	0.492	20
Dichlorodifluoromethane	0.0029	0.0029	0.020	15	14	13-107	1.03	20
1,1-Dichloroethane	0.017	0.018	0.020	86	89	69-118	3.50	20
1,2-Dichloroethane (1,2-DCA)	0.017	0.018	0.020	86	88	59-112	2.03	20
1,1-Dichloroethene	0.015	0.016	0.020	75	79	69-126	4.45	20
cis-1,2-Dichloroethene	0.017	0.018	0.020	86	88	69-116	2.81	20
trans-1,2-Dichloroethene	0.017	0.018	0.020	83	88	73-116	5.06	20
1,2-Dichloropropane	0.016	0.017	0.020	82	86	65-111	3.72	20
1,3-Dichloropropane	0.017	0.017	0.020	86	87	67-110	1.03	20
2,2-Dichloropropane	0.018	0.018	0.020	89	93	65-125	4.11	20
1,1-Dichloropropene	0.017	0.018	0.020	85	89	70-123	3.97	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.017	0.018	0.020	86	88	68-126	3.10	20
trans-1,3-Dichloropropene	0.016	0.016	0.020	81	82	69-117	1.47	20
Diisopropyl ether (DIPE)	0.016	0.017	0.020	81	83	57-110	2.15	20
Ethylbenzene	0.019	0.019	0.020	94	97	80-128	3.15	20
Ethyl tert-butyl ether (ETBE)	0.016	0.016	0.020	78	80	54-106	2.46	20
Freon 113	0.014	0.015	0.020	70	74	60-108	5.51	20
Hexachlorobutadiene	0.021	0.022	0.020	104	108	67-182	3.85	20
Hexachloroethane	0.019	0.020	0.020	93	98	85-156	4.70	20
2-Hexanone	0.014	0.014	0.020	70	71	37-90	1.16	20
Isopropylbenzene	0.018	0.019	0.020	91	94	64-167	3.23	20
4-Isopropyl toluene	0.020	0.021	0.020	99	103	88-167	3.47	20
Methyl-t-butyl ether (MTBE)	0.016	0.017	0.020	82	84	60-102	1.48	20
Methylene chloride	0.017	0.018	0.020	84	88	71-117	4.14	20
4-Methyl-2-pentanone (MIBK)	0.013	0.013	0.020	67	66	48-90	0.773	20
Naphthalene	0.011	0.010	0.020	55	50	29-65	9.15	20
n-Propyl benzene	0.021	0.021	0.020	104	107	88-161	3.20	20
Styrene	0.017	0.017	0.020	83	85	70-108	2.30	20
1,1,1,2-Tetrachloroethane	0.017	0.017	0.020	85	87	69-117	1.92	20
1,1,2,2-Tetrachloroethane	0.014	0.014	0.020	70	70	53-96	0	20
Tetrachloroethene	0.019	0.019	0.020	93	96	78-128	2.24	20
Toluene	0.018	0.018	0.020	89	92	78-121	3.30	20
1,2,3-Trichlorobenzene	0.012	0.012	0.020	62	60	35-80	4.23	20
1,2,4-Trichlorobenzene	0.015	0.015	0.020	75	75	46-101	0	20
1,1,1-Trichloroethane	0.017	0.018	0.020	86	88	69-121	3.03	20
1,1,2-Trichloroethane	0.015	0.016	0.020	76	78	64-104	2.66	20
Trichloroethene	0.017	0.018	0.020	84	89	73-118	5.36	20
Trichlorofluoromethane	0.015	0.015	0.020	73	76	31-119	4.88	20
1,2,3-Trichloropropane	0.0080	0.0082	0.010	80	82	65-107	2.68	20
1,2,4-Trimethylbenzene	0.020	0.021	0.020	101	104	80-147	2.56	20
1,3,5-Trimethylbenzene	0.021	0.021	0.020	105	107	83-156	2.11	20
Vinyl Chloride	0.0048	0.0050	0.010	48	50	40-125	5.32	20
m,p-Xylene	0.036	0.037	0.040	90	93	80-122	2.99	20
o-Xylene	0.018	0.019	0.020	90	93	79-116	2.59	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182007
Date Analyzed:	7/20/19 - 7/21/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182007

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.10	0.10	0.12	83	83	66-112	0	20
Toluene-d8	0.11	0.11	0.12	87, F3	87, F3	92-109	0	20
4-BFB	0.010	0.010	0.012	82	84	72-112	1.57	20
Benzene-d6	0.074	0.076	0.10	74, F3	76, F3	81-126	2.06	20
Ethylbenzene-d10	0.082	0.083	0.10	82, F3	83, F3	92-138	1.22	20
1,2-DCB-d4	0.069	0.070	0.10	69	70	68-108	1.10	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	0.80			1.25	64	54-131
Phenol-d5	0.74			1.25	59	52-129
Nitrobenzene-d5	0.76			1.25	60	43-127
2-Fluorobiphenyl	0.72			1.25	58	42-116
2,4,6-Tribromophenol	0.74			1.25	59	39-119
4-Terphenyl-d14	0.64			1.25	51	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.3	2.4	2.5	92	94	69-130	2.32	30
1,2-Dichlorobenzene	2.2	2.1	2.5	87	86	68-114	1.02	30
1,2-Diphenylhydrazine	1.8	1.7	2.5	72	67	62-142	6.84	30
1,3-Dichlorobenzene	2.2	2.1	2.5	86	85	69-116	2.07	30
1,4-Dichlorobenzene	2.3	2.3	2.5	92	91	64-117	0.717	30
1-Methylnaphthalene	0.11	0.11	0.12	88	91	65-134	2.74	30
2,4,5-Trichlorophenol	0.10	0.11	0.12	81	90	68-150	10.9	30
2,4,6-Trichlorophenol	0.095	0.11	0.12	76	87	70-144	13.6	30
2,4-Dichlorophenol	1.9	2.0	2.5	75, F2	81	78-144	6.55	30
2,4-Dimethylphenol	2.1	2.2	2.5	83	87	71-152	3.85	30
2,4-Dinitrophenol	2.3	2.6	2.5	91	105	1-156	14.0	30
2,4-Dinitrotoluene	0.12	0.13	0.12	95	107	68-144	11.9	30
2,6-Dinitrotoluene	0.11	0.13	0.12	88	101	69-148	13.2	30
2-Chloronaphthalene	1.8	2.0	2.5	73	80	71-133	9.38	30
2-Chlorophenol	0.10	0.10	0.12	81	81	73-133	0	30
2-Methylnaphthalene	0.11	0.12	0.12	90	94	72-139	3.98	30
2-Methylphenol (o-Cresol)	2.0	2.1	2.5	80	84	69-138	4.38	30
2-Nitroaniline	8.4	9.6	12.5	67, F2	77	72-143	14.0	30
2-Nitrophenol	11	12	12.5	88	94	80-141	6.27	30
3 & 4-Methylphenol (m,p-Cresol)	2.1	2.1	2.5	83	85	69-128	2.35	30
3,3-Dichlorobenzidine	0.082	0.088	0.12	65	70	11-163	7.05	30
3-Nitroaniline	8.0	8.8	12.5	64	70	57-122	9.60	30
4,6-Dinitro-2-methylphenol	8.9	9.7	12.5	71	77	14-155	8.00	30
4-Bromophenyl Phenyl Ether	2.0	2.1	2.5	81	84	68-136	4.22	30
4-Chloro-3-methylphenol	2.1	2.3	2.5	84	92	78-149	8.72	30
4-Chloroaniline	0.087	0.091	0.12	69	73	46-130	4.42	30
4-Chlorophenyl Phenyl Ether	2.0	2.1	2.5	80	86	71-132	7.15	30
4-Nitroaniline	9.4	11	12.5	75	86	68-133	13.9	30
4-Nitrophenol	8.6	11	12.5	69	86	67-144	22.1	30
Acenaphthene	0.095	0.11	0.12	76	84	68-134	10.0	30
Acenaphthylene	0.10	0.11	0.12	81	90	65-141	9.90	30
Anthracene	0.093	0.10	0.12	74	80	65-147	7.77	30
Benzidine	4.2	4.5	12.5	34	36	7-97	5.43	30
Benzo (a) anthracene	0.096	0.099	0.12	77	80	61-136	3.67	30
Benzo (a) pyrene	0.11	0.12	0.12	86	93	59-150	7.69	30
Benzo (b) fluoranthene	0.10	0.11	0.12	81	88	43-160	7.92	30
Benzo (g,h,i) perylene	0.11	0.12	0.12	88	96	54-142	8.97	30
Benzo (k) fluoranthene	0.098	0.10	0.12	79	84	59-141	6.22	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	8.7	8.2	12.5	69	66	48-145	5.22	30
Bis (2-chloroethoxy) Methane	1.9	1.9	2.5	75	78	71-138	4.09	30
Bis (2-chloroethyl) Ether	0.095	0.095	0.12	76	76	60-128	0	30
Bis (2-chloroisopropyl) Ether	0.10	0.10	0.12	81	80	67-129	1.81	30
Bis (2-ethylhexyl) Adipate	1.6	1.7	2.5	65	70	56-162	7.55	30
Bis (2-ethylhexyl) Phthalate	0.10	0.11	0.12	80	89	49-168	9.85	30
Butylbenzyl Phthalate	0.098	0.11	0.12	78	87	57-161	10.3	30
Chrysene	0.097	0.11	0.12	77	86	58-140	10.3	30
Dibenzo (a,h) anthracene	0.11	0.12	0.12	89	98	57-151	10.0	30
Dibenzofuran	1.8	2.0	2.5	72	79	70-134	8.72	30
Diethyl Phthalate	0.098	0.11	0.12	78	89	67-146	13.0	30
Dimethyl Phthalate	0.11	0.12	0.12	85	96	70-135	12.2	30
Di-n-butyl Phthalate	0.10	0.11	0.12	80	88	65-147	10.2	30
Di-n-octyl Phthalate	0.11	0.12	0.12	87	94	51-175	7.86	30
Fluoranthene	0.11	0.12	0.12	89	97	66-146	8.72	30
Fluorene	0.11	0.12	0.12	88	96	72-142	9.34	30
Hexachlorobenzene	0.10	0.10	0.12	80	84	65-127	3.88	30
Hexachlorobutadiene	0.11	0.11	0.12	90	90	68-131	0	30
Hexachlorocyclopentadiene	8.3	9.0	12.5	66	72	38-134	8.07	30
Hexachloroethane	0.10	0.10	0.12	83	80	57-117	2.78	30
Indeno (1,2,3-cd) pyrene	0.11	0.12	0.12	90	99	57-145	9.27	30
Isophorone	1.8	1.9	2.5	72	75	69-139	4.40	30
Naphthalene	0.11	0.11	0.12	85	90	64-127	5.87	30
Nitrobenzene	1.8	1.9	2.5	74	76	66-136	2.66	30
N-Nitrosodi-n-propylamine	1.7	1.8	2.5	69, F2	71, F2	74-118	2.76	30
N-Nitrosodiphenylamine	1.7	1.9	2.5	69	74	67-138	7.92	30
Pentachlorophenol	0.52	0.55	0.62	84	88	50-153	4.75	30
Phenanthrene	0.089	0.097	0.12	71	77	66-129	7.88	30
Phenol	0.44	0.45	0.50	89	89	58-136	0	30
Pyrene	0.095	0.10	0.12	76	81	55-148	5.59	30
Pyridine	1.3	1.3	2.5	52	53	46-93	1.29	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/22/19	**BatchID:**	182058
Date Analyzed:	7/22/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182058

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.1	1.1	1.25	92	90	68-128	1.14	30
Phenol-d5	1.1	1.1	1.25	86	87	73-121	0.576	30
Nitrobenzene-d5	0.96	1.0	1.25	77	83	59-138	8.21	30
2-Fluorobiphenyl	0.97	1.1	1.25	78	85	59-129	8.90	30
2,4,6-Tribromophenol	0.76	0.89	1.25	61	71	46-142	15.0	30
4-Terphenyl-d14	0.92	0.98	1.25	74	78	50-143	5.93	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182013
Date Analyzed:	7/22/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182013 1907963-006AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	0.0097,J	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182013
Date Analyzed:	7/22/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182013 1907963-006AMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	51	51	50	101	102	75-125	0.649	20
Arsenic	52	52	50	104	104	75-125	0	20
Barium	510	520	500	102	104	75-125	1.38	20
Beryllium	51	51	50	101	102	75-125	0.729	20
Cadmium	49	50	50	98	99	75-125	0.810	20
Chromium	51	51	50	101	102	75-125	0.788	20
Cobalt	48	48	50	96	96	75-125	0	20
Copper	50	50	50	100	101	75-125	0.519	20
Lead	49	49	50	98	99	75-125	0.813	20
Mercury	1.3	1.3	1.25	101	102	75-125	1.81	20
Molybdenum	51	51	50	102	103	75-125	0.585	20
Nickel	50	50	50	100	101	75-125	1.08	20
Selenium	51	51	50	101	102	75-125	0.296	20
Silver	51	52	50	102	103	75-125	0.740	20
Thallium	48	48	50	96	96	75-125	0	20
Vanadium	50	51	50	101	102	75-125	0.612	20
Zinc	500	500	500	101	101	75-125	0	20
Surrogate Recovery								
Terbium	510	510	500	101	102	70-130	1.14	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	51	49	50	0.6313	102	97	75-125	4.53	20
Arsenic	1	57	56	50	7.110	99	97	75-125	1.82	20
Barium	1	660	640	500	136.2	105	100	75-125	3.94	20
Beryllium	1	47	45	50	0.5202	92	89	75-125	3.38	20
Cadmium	1	49	49	50	0.3968	98	96	75-125	1.19	20
Chromium	1	110	110	50	65.12	91	99	75-125	3.64	20
Cobalt	1	55	54	50	13.79	82	81	75-125	0.936	20
Copper	1	77	79	50	32.60	88	92	75-125	2.52	20
Lead	1	71	69	50	22.13	97	94	75-125	2.11	20
Mercury	1	1.6	1.5	1.25	0.2952	102	96	75-125	4.58	20
Molybdenum	1	52	50	50	0.9284	103	98	75-125	5.42	20
Nickel	1	110	140	50	69.98	81	130,F10	75-125	20.2,F10	20
Selenium	1	50	45	50	ND	99	88	75-125	11.2	20
Silver	1	52	50	50	1.042	103	98	75-125	4.90	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182013
Date Analyzed:	7/22/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182013 1907963-006AMS/MSD

QC Summary Report for Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	1	48	47	50	ND	97	93	75-125	4.00	20
Vanadium	1	100	110	50	61.49	87	91	75-125	1.98	20
Zinc	1	570	630	500	96.72	95	107	75-125	10.4	20
Surrogate Recovery										
Terbium	1	510	490	500		103	98	70-130	4.28	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	0.6313	-	-
Arsenic	6.4	7.110	9.99	-
Barium	120	136.2	11.9	-
Beryllium	ND<2.5	0.5202	-	-
Cadmium	ND<1.2	0.3968	-	-
Chromium	67	65.12	2.89	20
Cobalt	14	13.79	1.52	20
Copper	31	32.60	4.91	20
Lead	20	22.13	9.62	20
Mercury	0.41	0.2952	38.9	-
Molybdenum	ND<2.5	0.9284	-	-
Nickel	68	69.98	2.83	20
Selenium	ND<2.5	ND	-	-
Silver	ND<2.5	1.042	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	63	61.49	2.46	20
Zinc	94	96.72	2.81	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182012
Date Analyzed:	7/23/19	**Extraction Method:**	SW5035
Instrument:	GC19, GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182012

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.097,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.094			0.10	94	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.52	0.54	0.60	86	90	82-118	3.79	20
MTBE	0.085	0.096	0.10	85	96	61-119	12.7	20
Benzene	0.087	0.094	0.10	87	94	77-128	7.29	20
Toluene	0.11	0.11	0.10	111	115	74-132	2.97	20
Ethylbenzene	0.11	0.11	0.10	115	112	84-127	2.88	20
m,p-Xylene	0.23	0.24	0.20	114	120	80-120	5.87	20
o-Xylene	0.12	0.11	0.10	116	115	80-120	1.05	20
Surrogate Recovery								
2-Fluorotoluene	0.083	0.083	0.10	83	83	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/19/19	**BatchID:**	182010
Date Analyzed:	7/20/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182010

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	97	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	104	102	75-128	2.35	30
Surrogate Recovery								
C9	24	23	25	95	93	72-122	1.69	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907963 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **07/19/2019**
Date Logged: **07/19/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907963-001	Area E-S-16-5.0	Soil	7/18/2019 13:40	☐				A	A							
1907963-002	Area E-S-17-5.0	Soil	7/18/2019 13:45	☐				A	A							
1907963-003	Area E-S-18-5.0	Soil	7/18/2019 13:50	☐				A	A							
1907963-004	Area E-S-19-5.0	Soil	7/18/2019 13:55	☐				A	A							
1907963-005	Area E-S-20-5.0	Soil	7/18/2019 13:58	☐				A	A							
1907963-006	Engeo 0-4	Soil	7/18/2019 14:17	☐	A	A	A	A	A							

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1907963
QC Level: LEVEL 2
Date Logged: 7/19/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907963-001A	Area E-S-16-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/18/2019 13:40	1 day		☐	
1907963-002A	Area E-S-17-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/18/2019 13:45	1 day		☐	
1907963-003A	Area E-S-18-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/18/2019 13:50	1 day		☐	
1907963-004A	Area E-S-19-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/18/2019 13:55	1 day		☐	
1907963-005A	Area E-S-20-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/18/2019 13:58	1 day		☐	
1907963-006A	Engeo 0-4	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	7/18/2019 14:17	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

p12 cc: gstafford@langan.com

12831

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

135 Main 1500 94105

[X] ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~

[ ] 501 14th Street, Third Floor, Oakland, CA 94612

[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982

[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1907963

Site Name: 1548 Maple Street

Job Number: 731685405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	TPH g/d/mo	VOCs	SVOCs	CAM 17 metals								Silica gel clean-up	Hold	Remarks
Area E-S-16-5.0	7/18/19	1340											X													1) Please composite
Area E-S-17-5.0		1345											X													1→4 into
Area E-S-18-5.0		1350											X													Engeo 0-4
area E-S-19-5.0		1355											X													
Area E-S-20-5.0		1358											X													
1		1412																								
2		1415																								
3		1416																								
4		1417																								
Engeo 0-4														XXXX												

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/19/19	1130		7/19/19	1130
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/19/19	1750		7.19.19	1750
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 1.0 WT

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**7/19/2019 17:50**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**7/19/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1907963** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1907963 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/19/2019

Analytical Report reviewed & approved for release on 07/26/2019 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907963 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907963
Date Received:	7/19/19 17:50	**Extraction Method:**	CA Title 22
Date Prepared:	7/23/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907963-006A**	**Soil**	**07/18/2019 14:17**	**ICP-MS3 150SMPL.D**	**182211**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.27**	0.10	1	07/25/2019 23:41

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907963
Date Prepared:	7/23/19	**BatchID:**	182211
Date Analyzed:	7/25/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182211

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	9.6	10	103	96	75-125	7.36	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907963 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 07/19/2019
Date Logged: 07/19/2019
Date Add-On: 07/23/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907963-006	Engeo 0-4	Soil	7/18/2019 14:17	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Add-On Prepared By: Maria Venegas

Comments: STLC Cr added to 006 7/23/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC Cr added to 006 7/23/19 Rush TAT.

Work Order: 1907963
QC Level: LEVEL 2
Date Logged: 7/19/2019
Date Add-On: 7/23/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907963-006A	Engeo 0-4	Soil	SW6020 (Chromium) (STLC)	4 / (4:1)	Stainless Steel tube 2"x6"	7/18/2019 14:17	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

pl2 cc: gstafford@langan.com

12831

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

135 Main 1500 94105

[X] ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~

[ ] 501 14th Street, Third Floor, Oakland, CA 94612

[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982

[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1907963

Site Name: 1548 Maple Street

Job Number: 731685405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	TPH d/mo	VOCs	SVOCs	CAM 17 metals	SILCr							Silica gel clean-up	Hold	Remarks
Area E-S-16-5.0	7/18/19	1340											X														1) Please Composite
Area E-S-17-5.0		1345											X														1→4 into
Area E-S-18-5.0		1350											X														Engeo 0-4
Area E-S-19-5.0		1355											X														
Area E-S-20-5.0		1358											X														
1		1412																									
2		1415																									
3		1416																									
4		1417																									
Engeo 0-4															X	X	X	X									

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/19/19	1130		7/19/19	1130
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/19/19	1750		7.19.19	1750
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes: Added 7/23/19 RUSH

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 1.0 WHT

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1908188

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/05/2019

Analytical Report reviewed & approved for release on 08/06/2019 by:

Susan Thompson
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908188

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908188

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits
c2	Surrogate recovery outside of the control limits due to matrix interference.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1908188
Date Received:	8/5/19 12:45	**Extraction Method:**	SW5035
Date Prepared:	8/5/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0A	**1908188-001A**	**Soil**	**08/02/2019 08:15**	**GC7 08061908.D**	**182941**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/06/2019 10:48
MTBE	---	0.050	1	08/06/2019 10:48
Benzene	---	0.0050	1	08/06/2019 10:48
Toluene	---	0.0050	1	08/06/2019 10:48
Ethylbenzene	---	0.0050	1	08/06/2019 10:48
m,p-Xylene	---	0.010	1	08/06/2019 10:48
o-Xylene	---	0.0050	1	08/06/2019 10:48
Xylenes	---	0.0050	1	08/06/2019 10:48

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	08/06/2019 10:48

Analyst(s): TD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0A	**1908188-002A**	**Soil**	**08/02/2019 08:30**	**GC19 08061908.D**	**182941**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**11**	B	5.0	5	08/06/2019 10:59
MTBE	---		0.25	5	08/06/2019 10:59
Benzene	---		0.025	5	08/06/2019 10:59
Toluene	---		0.025	5	08/06/2019 10:59
Ethylbenzene	---		0.025	5	08/06/2019 10:59
m,p-Xylene	---		0.050	5	08/06/2019 10:59
o-Xylene	---		0.025	5	08/06/2019 10:59
Xylenes	---		0.025	5	08/06/2019 10:59

Surrogates	REC (%)	Limits	
2-Fluorotoluene	69	62-126	08/06/2019 10:59

Analyst(s): TD Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908188
Date Received:	8/5/19 12:45	**Extraction Method:**	SW5035
Date Prepared:	8/5/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-5-5.0A	1908188-003A	Soil	08/02/2019 08:33	GC19 08061909.D	182941

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/06/2019 11:30
MTBE	---	0.050	1	08/06/2019 11:30
Benzene	---	0.0050	1	08/06/2019 11:30
Toluene	---	0.0050	1	08/06/2019 11:30
Ethylbenzene	---	0.0050	1	08/06/2019 11:30
m,p-Xylene	---	0.010	1	08/06/2019 11:30
o-Xylene	---	0.0050	1	08/06/2019 11:30
Xylenes	---	0.0050	1	08/06/2019 11:30

Surrogates	REC (%)	Limits	
2-Fluorotoluene	82	62-126	08/06/2019 11:30

Analyst(s): TD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-3-7.5	1908188-004A	Soil	08/02/2019 08:40	GC7 08061913.D	182941

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/06/2019 13:24
MTBE	---	0.050	1	08/06/2019 13:24
Benzene	---	0.0050	1	08/06/2019 13:24
Toluene	---	0.0050	1	08/06/2019 13:24
Ethylbenzene	---	0.0050	1	08/06/2019 13:24
m,p-Xylene	---	0.010	1	08/06/2019 13:24
o-Xylene	---	0.0050	1	08/06/2019 13:24
Xylenes	---	0.0050	1	08/06/2019 13:24

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	49	S	62-126	08/06/2019 13:24

Analyst(s): TD Analytical Comments: c2

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908188
Date Received:	8/5/19 12:45	**Extraction Method:**	SW5035
Date Prepared:	8/5/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-4-7.0	**1908188-005A**	**Soil**	**08/02/2019 08:45**	**GC7 08061909.D**	**182941**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/06/2019 11:19
MTBE	---	0.050	1	08/06/2019 11:19
Benzene	---	0.0050	1	08/06/2019 11:19
Toluene	---	0.0050	1	08/06/2019 11:19
Ethylbenzene	---	0.0050	1	08/06/2019 11:19
m,p-Xylene	---	0.010	1	08/06/2019 11:19
o-Xylene	---	0.0050	1	08/06/2019 11:19
Xylenes	---	0.0050	1	08/06/2019 11:19

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	57	S	62-126	08/06/2019 11:19

Analyst(s): TD Analytical Comments: c2

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Analytical Report

Client:	Langan	**WorkOrder:**	1908188
Date Received:	8/5/19 12:45	**Extraction Method:**	SW3550B
Date Prepared:	8/5/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0A	**1908188-001A**	**Soil**	**08/02/2019 08:15**	**GC11A 08051946.D**	**182943**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**360**	20	20	08/05/2019 23:59

Surrogates	REC (%)	Limits	
C9	109	74-123	08/05/2019 23:59

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0A	**1908188-002A**	**Soil**	**08/02/2019 08:30**	**GC11B 08051929.D**	**182943**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**400**	20	20	08/05/2019 18:49

Surrogates	REC (%)	Limits	
C9	101	74-123	08/05/2019 18:49

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-5-5.0A	**1908188-003A**	**Soil**	**08/02/2019 08:33**	**GC6A 08051928.D**	**182943**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.0**	1.0	1	08/05/2019 18:16

Surrogates	REC (%)	Limits	
C9	100	74-123	08/05/2019 18:16

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-3-7.5	**1908188-004A**	**Soil**	**08/02/2019 08:40**	**GC11A 08051930.D**	**182943**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**10**	2.0	2	08/05/2019 18:49

Surrogates	REC (%)	Limits	
C9	92	74-123	08/05/2019 18:49

Analyst(s): JIS Analytical Comments: e7,e2

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908188
Date Received:	8/5/19 12:45	**Extraction Method:**	SW3550B
Date Prepared:	8/5/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-B-4-7.0	**1908188-005A**	**Soil**	**08/02/2019 08:45**	**GC6B 08051925.D**	**182943**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**6.6**	1.0	1	08/05/2019 17:36

Surrogates	REC (%)	Limits	
C9	91	74-123	08/05/2019 17:36

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908188
Date Prepared:	8/5/19	**BatchID:**	182941
Date Analyzed:	8/6/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182941

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.78,J	0.090	1.0	-	-	-
MTBE	0.0036,J	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	0.0017,J	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	0.0016,J	0.0013	0.010	-	-	-
o-Xylene	0.0034,J	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.084			0.1	84	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.59	0.58	0.60	99	96	82-118	2.44	20
MTBE	0.083	0.084	0.10	83	84	61-119	0.832	20
Benzene	0.089	0.093	0.10	89	93	77-128	4.22	20
Toluene	0.095	0.10	0.10	95	100	74-132	4.33	20
Ethylbenzene	0.094	0.097	0.10	94	97	84-127	3.21	20
m,p-Xylene	0.20	0.20	0.20	98	101	80-120	3.09	20
o-Xylene	0.097	0.10	0.10	97	100	80-120	3.02	20
Surrogate Recovery								
2-Fluorotoluene	0.088	0.092	0.10	88	92	75-134	4.48	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908188
Date Prepared:	8/5/19	**BatchID:**	182943
Date Analyzed:	8/6/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182943

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	22			25	89	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	42	40	106	105	75-128	1.00	30
Surrogate Recovery								
C9	22	22	25	90	90	72-122	0	30

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908188 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
415-955-5265 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/05/2019**
Date Logged: **08/05/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1908188-001	Area E-S-3-5.0A	Soil	8/2/2019 08:15	☐	A	A										
1908188-002	Area E-S-4-5.0A	Soil	8/2/2019 08:30	☐	A	A										
1908188-003	Area E-S-5-5.0A	Soil	8/2/2019 08:33	☐	A	A										
1908188-004	Area E-B-3-7.5	Soil	8/2/2019 08:40	☐	A	A										
1908188-005	Area E-B-4-7.0	Soil	8/2/2019 08:45	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908188
QC Level: LEVEL 2
Date Logged: 8/5/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908188-001A	Area E-S-3-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/2/2019 8:15	1 day		☐	
1908188-002A	Area E-S-4-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/2/2019 8:30	1 day		☐	
1908188-003A	Area E-S-5-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/2/2019 8:33	1 day		☐	
1908188-004A	Area E-B-3-7.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/2/2019 8:40	1 day		☐	
1908188-005A	Area E-B-4-7.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/2/2019 8:45	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

p/2 cc: gstafford@langan.com

RUSH! 12866

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

135 Main 1500 94105

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

1908188

Site Name: 1545 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24+72

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH5 ld	Silica gel clean-up	Hold	Remarks
Area E-S-3-5.0A	8/2/19	0815		X							X		X			
Area E-S-4-5.0A	↓	0830		↓							↓		↓			
Area E-S-5-5.0A		0833														
Area E-B-3-7.5		0840														
Area E-B-4-7.0		0845														

Relinquished by: (Signature)	Date: 8/5/19	Time 1115	Received by: (Signature) LAP	Date 8/5/19 Time 1115
Relinquished by: (Signature) LAP	Date: 8/5/19	Time 1245	Received by: (Signature)	Date 8/5/19 Time 1245
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 2.6C

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**8/5/2019 12:45**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/5/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1908188** Matrix: Soil	Logged by:	Kena Ponce
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.6°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1908473

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/08/2019

Analytical Report reviewed & approved for release on 08/09/2019 by:

Yen Cao
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908473

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908473

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

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Analytical Report

Client:	Langan	**WorkOrder:**	1908473
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5035
Date Prepared:	8/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-5-3-5.0B	**1908473-001A**	**Soil**	**08/08/2019 08:20**	**GC19 08091908.D**	**183219**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/09/2019 12:26
MTBE	---	0.050	1	08/09/2019 12:26
Benzene	---	0.0050	1	08/09/2019 12:26
Toluene	---	0.0050	1	08/09/2019 12:26
Ethylbenzene	---	0.0050	1	08/09/2019 12:26
m,p-Xylene	---	0.010	1	08/09/2019 12:26
o-Xylene	---	0.0050	1	08/09/2019 12:26
Xylenes	---	0.0050	1	08/09/2019 12:26

Surrogates	REC (%)	Limits	
2-Fluorotoluene	72	62-126	08/09/2019 12:26

Analyst(s): TD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-5-4-5.0B	**1908473-002A**	**Soil**	**08/08/2019 08:05**	**GC19 08091907.D**	**183219**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.1**	B	1.0	1	08/09/2019 11:55
MTBE	---		0.050	1	08/09/2019 11:55
Benzene	---		0.0050	1	08/09/2019 11:55
Toluene	---		0.0050	1	08/09/2019 11:55
Ethylbenzene	---		0.0050	1	08/09/2019 11:55
m,p-Xylene	---		0.010	1	08/09/2019 11:55
o-Xylene	---		0.0050	1	08/09/2019 11:55
Xylenes	---		0.0050	1	08/09/2019 11:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	77	62-126	08/09/2019 11:55

Analyst(s): TD Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908473
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-5-3-5.0B	**1908473-001A**	**Soil**	**08/08/2019 08:20**	**GC11B 08081957.D**	**183238**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**15**	1.0	1	08/09/2019 09:59

Surrogates	REC (%)	Limits	
C9	95	74-123	08/09/2019 09:59

Analyst(s): JIS Analytical Comments: e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-5-4-5.0B	**1908473-002A**	**Soil**	**08/08/2019 08:05**	**GC11B 08081951.D**	**183238**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**470**	100	100	08/09/2019 07:58

Surrogates	REC (%)	Limits	
C9	105	74-123	08/09/2019 07:58

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908473
Date Prepared:	8/8/19	**BatchID:**	183219
Date Analyzed:	8/8/19 - 8/9/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183219

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.16,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.091			0.1	91	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.56	0.51	0.60	94	84	82-118	11.0	20
MTBE	0.090	0.088	0.10	90	88	61-119	2.48	20
Benzene	0.091	0.089	0.10	91	89	77-128	2.09	20
Toluene	0.096	0.093	0.10	96	93	74-132	2.49	20
Ethylbenzene	0.097	0.094	0.10	97	94	84-127	3.16	20
m,p-Xylene	0.20	0.19	0.20	100	97	80-120	3.34	20
o-Xylene	0.10	0.097	0.10	100	97	80-120	2.96	20
Surrogate Recovery								
2-Fluorotoluene	0.092	0.090	0.10	92	90	75-134	1.84	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908473
Date Prepared:	8/8/19	**BatchID:**	183238
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183238

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	96	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	104	103	75-128	0.595	30
Surrogate Recovery								
C9	24	23	25	96	93	72-122	2.83	30

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908473 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/08/2019**
Date Logged: **08/08/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1908473-001	Area E-5-3-5.0B	Soil	8/8/2019 08:20	☐	A	A										
1908473-002	Area E-5-4-5.0B	Soil	8/8/2019 08:05	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Julia Danielsson

The following SampIDs: 001A, 002A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908473
QC Level: LEVEL 2
Date Logged: 8/8/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908473-001A	Area E-5-3-5.0B	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/8/2019 8:20	1 day		☐	
1908473-002A	Area E-5-4-5.0B	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/8/2019 8:05	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1908473 12870

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

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☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

RUSH!

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland/Grace Stafford
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g/d													Silica gel clean-up	Hold	Remarks
Area	E-5-3-5.0B	8/8/19	0820		X							X		X														* samples say 8/7/19
Area	E-5-BH-5.0B	↓	0905		X							X		X														but should be 8/8/19

Relinquished by: (Signature) [signature]	Date: 8/8/19	Time 1043	Received by: (Signature) [signature]
Relinquished by: (Signature) [signature]	Date: 8/8/19	Time 1840	Received by: (Signature) [signature]
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

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

Date	Time
8/8/19	1042
Date	Time
Date	Time

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

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 4.3

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**8/8/2019 18:40**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/8/2019**
		Received by:	Julia Danielsson
WorkOrder №:	**1908473** Matrix: Water	Logged by:	Julia Danielsson
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.3°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:	1908473	**Amended:**	08/09/2019
		Revision:	1
Report Created for:	Langan		
	135 Main St, Suite 1500 San Francisco, CA 94105		
Project Contact:	Dustyne Sutherland		
Project P.O.:			
Project:	731685405; 1548 Maple Street		
Project Received:	08/08/2019		

Analytical Report reviewed & approved for release on 08/09/2019 by:

Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908473

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908473

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1908473
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5035
Date Prepared:	8/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0B	**1908473-001A**	**Soil**	**08/08/2019 08:20**	**GC19 08091908.D**	**183219**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/09/2019 12:26
MTBE	---	0.050	1	08/09/2019 12:26
Benzene	---	0.0050	1	08/09/2019 12:26
Toluene	---	0.0050	1	08/09/2019 12:26
Ethylbenzene	---	0.0050	1	08/09/2019 12:26
m,p-Xylene	---	0.010	1	08/09/2019 12:26
o-Xylene	---	0.0050	1	08/09/2019 12:26
Xylenes	---	0.0050	1	08/09/2019 12:26

Surrogates	REC (%)	Limits	
2-Fluorotoluene	72	62-126	08/09/2019 12:26

Analyst(s): TD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0B	**1908473-002A**	**Soil**	**08/08/2019 08:05**	**GC19 08091907.D**	**183219**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.1**	B	1.0	1	08/09/2019 11:55
MTBE	---		0.050	1	08/09/2019 11:55
Benzene	---		0.0050	1	08/09/2019 11:55
Toluene	---		0.0050	1	08/09/2019 11:55
Ethylbenzene	---		0.0050	1	08/09/2019 11:55
m,p-Xylene	---		0.010	1	08/09/2019 11:55
o-Xylene	---		0.0050	1	08/09/2019 11:55
Xylenes	---		0.0050	1	08/09/2019 11:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	77	62-126	08/09/2019 11:55

Analyst(s): TD Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908473
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-3-5.0B	**1908473-001A**	**Soil**	**08/08/2019 08:20**	**GC11B 08081957.D**	**183238**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**15**	1.0	1	08/09/2019 09:59

Surrogates	REC (%)	Limits	
C9	95	74-123	08/09/2019 09:59

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0B	**1908473-002A**	**Soil**	**08/08/2019 08:05**	**GC11B 08081951.D**	**183238**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**470**	100	100	08/09/2019 07:58

Surrogates	REC (%)	Limits	
C9	105	74-123	08/09/2019 07:58

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908473
Date Prepared:	8/8/19	**BatchID:**	183219
Date Analyzed:	8/8/19 - 8/9/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183219

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.16,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.091			0.1	91	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.56	0.51	0.60	94	84	82-118	11.0	20
MTBE	0.090	0.088	0.10	90	88	61-119	2.48	20
Benzene	0.091	0.089	0.10	91	89	77-128	2.09	20
Toluene	0.096	0.093	0.10	96	93	74-132	2.49	20
Ethylbenzene	0.097	0.094	0.10	97	94	84-127	3.16	20
m,p-Xylene	0.20	0.19	0.20	100	97	80-120	3.34	20
o-Xylene	0.10	0.097	0.10	100	97	80-120	2.96	20
Surrogate Recovery								
2-Fluorotoluene	0.092	0.090	0.10	92	90	75-134	1.84	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908473
Date Prepared:	8/8/19	**BatchID:**	183238
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183238

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	96	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	104	103	75-128	0.595	30
Surrogate Recovery								
C9	24	23	25	96	93	72-122	2.83	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908473 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/08/2019**
Date Logged: **08/08/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1908473-001	Area E-S-3-5.0B	Soil	8/8/2019 08:20	☐	A	A										
1908473-002	Area E-S-4-5.0B	Soil	8/8/2019 08:05	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Julia Danielsson

The following SampIDs: 001A, 002A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908473
QC Level: LEVEL 2
Date Logged: 8/8/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908473-001A	Area E-S-3-5.0B	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/8/2019 8:20	1 day		☐	
1908473-002A	Area E-S-4-5.0B	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/8/2019 8:05	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1908473 12870

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

☒ ~~555 Montgomery~~ 135 Main Street, Suite ~~1300,~~ 1500 San Francisco, CA ~~94111~~ 94105
☐ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

RUSH!

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland/Grace Stafford
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

	Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g/d													Silica gel clean-up	Hold	Remarks
Area	E-5-3-5.0B	8/8/19	0820		X							X		X														* samples say 8/7/19
Area	E-5-BH-5.0B	↓	0905		X							X		X														but should be 8/8/19

Relinquished by: (Signature) [signature]	Date: 8/8/19	Time 1043	Received by: (Signature) [signature]
Relinquished by: (Signature) [signature]	Date: 8/8/19	Time 1840	Received by: (Signature) [signature]
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

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

Date	Time
8/8/19	1042
Date	Time
Date	Time

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

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 4.3

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**8/8/2019 18:40**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/8/2019**
		Received by:	Julia Danielsson
WorkOrder №:	**1908473** Matrix: Soil	Logged by:	Julia Danielsson
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 4.3°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1908765

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/14/2019

Analytical Report reviewed & approved for release on 08/15/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908765

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908765

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.

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Analytical Report

Client:	Langan	**WorkOrder:**	1908765
Date Received:	8/14/19 15:15	**Extraction Method:**	SW5035
Date Prepared:	8/14/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0C	**1908765-001A**	**Soil**	**08/14/2019 08:00**	**GC19 08141931.D**	**183537**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**9.6**	1.0	1	08/14/2019 22:40
MTBE	---	0.050	1	08/14/2019 22:40
Benzene	---	0.0050	1	08/14/2019 22:40
Toluene	---	0.0050	1	08/14/2019 22:40
Ethylbenzene	---	0.0050	1	08/14/2019 22:40
m,p-Xylene	---	0.010	1	08/14/2019 22:40
o-Xylene	---	0.0050	1	08/14/2019 22:40
Xylenes	---	0.0050	1	08/14/2019 22:40

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	08/14/2019 22:40

Analyst(s): HD Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908765
Date Received:	8/14/19 15:15	**Extraction Method:**	SW3550B
Date Prepared:	8/14/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0C	**1908765-001A**	**Soil**	**08/14/2019 08:00**	**GC11A 08141926.D**	**183539**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**100**	2.0	2	08/14/2019 22:21

Surrogates	REC (%)	Limits	
C9	100	74-123	08/14/2019 22:21

Analyst(s): TD Analytical Comments: e2,e7

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908765
Date Prepared:	8/14/19	**BatchID:**	183537
Date Analyzed:	8/15/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183537

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.22,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.086			0.1	86	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.58	0.61	0.60	97	101	82-118	4.63	20
MTBE	0.073	0.085	0.10	73	85	61-119	14.6	20
Benzene	0.093	0.087	0.10	93	87	77-128	6.14	20
Toluene	0.099	0.094	0.10	99	94	74-132	5.16	20
Ethylbenzene	0.099	0.094	0.10	99	94	84-127	5.81	20
m,p-Xylene	0.21	0.19	0.20	103	97	80-120	5.34	20
o-Xylene	0.10	0.097	0.10	101	97	80-120	4.04	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.086	0.10	93	86	75-134	8.68	20

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1908765
Date Prepared:	8/14/19	**BatchID:**	183539
Date Analyzed:	8/14/19	**Extraction Method:**	SW3550B
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183539

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	98	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	47	48	40	118	120	75-128	1.10	30
Surrogate Recovery								
C9	24	24	25	96	96	72-122	0	30

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908765 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/14/2019**
Date Logged: **08/14/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1908765-001	Area E-S-4-5.0C	Soil	8/14/2019 08:00	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampID: 001A contains testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908765
QC Level: LEVEL 2
Date Logged: 8/14/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908765-001A	Area E-S-4-5.0C	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/14/2019 8:00	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstaffod@langan.com 19087612830

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

[X] 135 Main 1500 94105 ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

RUSH

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH:d	Silica gel clean-up	Hold	Remarks
Area E-S-4-5.0C	8/14/19	0800		X							X		X			

Relinquished by: (Signature)	Date: 8/14/19	Time 1121	Received by: (Signature)	Date 8/14/19 Time 1121
Relinquished by: (Signature)	Date: 8/14/19	Time 1515	Received by: (Signature)	Date 8/14/19 Time 1515
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

1.4 WET COC Number:

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**8/14/2019 15:15**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/14/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1908765** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.4°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1901E57

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 01/30/2019

Analytical Report reviewed & approved for release on 02/01/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1901E57

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1901E57

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
c2	Surrogate recovery outside of the control limits due to matrix interference.
d6	One to a few isolated non-target peaks present in the TPH(g) chromatogram.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

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Analytical Report

Client:	Langan	**WorkOrder:**	1901E57
Date Received:	1/30/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	1/30/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1-4.0	**1901E57-002A**	**Soil**	**01/30/2019 12:15**	**GC19 01311910.D**	**172208**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**210**	20	20	01/31/2019 14:41
MTBE	**---**	1.0	20	01/31/2019 14:41
Benzene	**---**	0.10	20	01/31/2019 14:41
Toluene	**---**	0.10	20	01/31/2019 14:41
Ethylbenzene	**---**	0.10	20	01/31/2019 14:41
m,p-Xylene	**---**	0.20	20	01/31/2019 14:41
o-Xylene	**---**	0.10	20	01/31/2019 14:41
Xylenes	**---**	0.10	20	01/31/2019 14:41

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	57	S	62-126	01/31/2019 14:41

Analyst(s): HD Analytical Comments: c2,d6,d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-B-1-5.5	**1901E57-003A**	**Soil**	**01/30/2019 12:10**	**GC19 01311918.D**	**172208**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**6.0**	2.0	2	01/31/2019 18:43
MTBE	**---**	0.10	2	01/31/2019 18:43
Benzene	**---**	0.010	2	01/31/2019 18:43
Toluene	**---**	0.010	2	01/31/2019 18:43
Ethylbenzene	**---**	0.010	2	01/31/2019 18:43
m,p-Xylene	**---**	0.020	2	01/31/2019 18:43
o-Xylene	**---**	0.010	2	01/31/2019 18:43
Xylenes	**---**	0.010	2	01/31/2019 18:43

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	57	S	62-126	01/31/2019 18:43

Analyst(s): HD Analytical Comments: c2,d6,d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1901E57
Date Received:	1/30/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	1/30/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-B-1-5.25	**1901E57-004A**	**Soil**	**01/30/2019 13:10**	**GC19 01311912.D**	**172208**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**260**	20	20	01/31/2019 15:41
MTBE	**---**	1.0	20	01/31/2019 15:41
Benzene	**---**	0.10	20	01/31/2019 15:41
Toluene	**---**	0.10	20	01/31/2019 15:41
Ethylbenzene	**---**	0.10	20	01/31/2019 15:41
m,p-Xylene	**---**	0.20	20	01/31/2019 15:41
o-Xylene	**---**	0.10	20	01/31/2019 15:41
Xylenes	**---**	0.10	20	01/31/2019 15:41

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	01/31/2019 15:41

Analyst(s): HD Analytical Comments: d6,d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-S-1-4.5	**1901E57-005A**	**Soil**	**01/30/2019 13:05**	**GC19 01311923.D**	**172208**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**6.7**	1.0	1	01/31/2019 21:14
MTBE	**---**	0.050	1	01/31/2019 21:14
Benzene	**---**	0.0050	1	01/31/2019 21:14
Toluene	**---**	0.0050	1	01/31/2019 21:14
Ethylbenzene	**---**	0.0050	1	01/31/2019 21:14
m,p-Xylene	**---**	0.010	1	01/31/2019 21:14
o-Xylene	**---**	0.0050	1	01/31/2019 21:14
Xylenes	**---**	0.0050	1	01/31/2019 21:14

Surrogates	REC (%)	Limits	
2-Fluorotoluene	68	62-126	01/31/2019 21:14

Analyst(s): HD Analytical Comments: d6,d7

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Analytical Report

Client: Langan
Date Received: 1/30/19 17:00
Date Prepared: 1/30/19-1/31/19
Project: 731685405; 1548 Maple Street

WorkOrder: 1901E57
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-1-4.0	1901E57-001A	Soil	01/30/2019 09:00	ICP-MS3 030SMPL.D	172270

Analytes	Result	RL	DF	Date Analyzed
Lead	**29**	0.50	1	01/31/2019 18:53

Surrogates	REC (%)	Limits	
Terbium	101	70-130	01/31/2019 18:53

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1-4.0	1901E57-002A	Soil	01/30/2019 12:15	ICP-MS3 038SMPL.D	172240

Analytes	Result	RL	DF	Date Analyzed
Lead	**230**	0.50	1	01/31/2019 19:42

Surrogates	REC (%)	Limits	
Terbium	100	70-130	01/31/2019 19:42

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-S-1-4.5	1901E57-005A	Soil	01/30/2019 13:05	ICP-MS3 039SMPL.D	172240

Analytes	Result	RL	DF	Date Analyzed
Lead	**29**	0.50	1	01/31/2019 19:48

Surrogates	REC (%)	Limits	
Terbium	110	70-130	01/31/2019 19:48

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-2-5.0	1901E57-006A	Soil	01/30/2019 13:15	ICP-MS3 040SMPL.D	172240

Analytes	Result	RL	DF	Date Analyzed
Lead	**28**	0.50	1	01/31/2019 19:54

Surrogates	REC (%)	Limits	
Terbium	103	70-130	01/31/2019 19:54

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	1901E57
Date Received:	1/30/19 17:00	**Extraction Method:**	SW3550B
Date Prepared:	1/30/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1-4.0	**1901E57-002A**	**Soil**	**01/30/2019 12:15**	**GC11B 01311957.D**	**172234**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2100**	500	500	02/01/2019 10:46

Surrogates	REC (%)	Qualifiers	Limits	
C9	150	S	74-123	02/01/2019 10:46

Analyst(s): JIS Analytical Comments: c2,e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-B-1-5.5	**1901E57-003A**	**Soil**	**01/30/2019 12:10**	**GC6A 01311980.D**	**172234**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**20**	2.0	2	02/01/2019 10:31

Surrogates	REC (%)	Limits	
C9	91	74-123	02/01/2019 10:31

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-B-1-5.25	**1901E57-004A**	**Soil**	**01/30/2019 13:10**	**GC11A 01311954.D**	**172234**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**690**	500	500	02/01/2019 09:29

Surrogates	REC (%)	Limits	
C9	101	74-123	02/01/2019 09:29

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-S-1-4.5	**1901E57-005A**	**Soil**	**01/30/2019 13:05**	**GC11A 01311958.D**	**172234**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**24**	2.0	2	02/01/2019 10:46

Surrogates	REC (%)	Limits	
C9	84	74-123	02/01/2019 10:46

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	1/30/19	**BatchID:**	172208
Date Analyzed:	1/30/19 - 1/31/19	**Extraction Method:**	SW5030B
Instrument:	GC19, GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172208

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.17,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Xylenes	ND	N/A	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.083			0.10	83	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.61	0.61	0.60	102	102	82-118	0	20
MTBE	0.082	0.083	0.10	82	83	61-119	0	20
Benzene	0.094	0.096	0.10	94	96	77-128	0	20
Toluene	0.098	0.10	0.10	98	100	74-132	0	20
Ethylbenzene	0.096	0.098	0.10	96	98	84-127	0	20
m,p-Xylene	0.20	0.20	0.20	100	102	80-120	0	20
o-Xylene	0.099	0.10	0.10	99	101	80-120	0	20
Xylenes	0.30	0.30	0.30	99	101	86-129	0	20
Surrogate Recovery								
2-Fluorotoluene	0.089	0.091	0.10	89	91	75-134	0	20

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	1/30/19	**BatchID:**	172240
Date Analyzed:	1/31/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172240

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	47	50	96	94	75-125	2.31	20
Surrogate Recovery								
Terbium	520	500	500	104	101	70-130	3.24	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	1/31/19	**BatchID:**	172270
Date Analyzed:	1/31/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172270 1901E57-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	480			500	97	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	49	49	50	98	98	75-125	0	20
Surrogate Recovery								
Terbium	490	490	500	98	99	70-130	0.243	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	75	77	50	28.87	92	97	75-125	3.13	20
Surrogate Recovery										
Terbium	1	480	500	500		96	100	70-130	3.96	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	29	28.87	0.450	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	1/30/19	**BatchID:**	172234
Date Analyzed:	1/31/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172234

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	5.0	-	-	-
Surrogate Recovery					
C9	22		25	89	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	36	35	40	89	87	75-128	3.03	30
Surrogate Recovery								
C9	22	22	25	89	87	72-122	2.77	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1901E57 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TATs: 1 day; 2 days;

Date Received: **01/30/2019**
Date Logged: **01/30/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901E57-001	Area A-S-1-4.0	Soil	1/30/2019 09:00	☐	A	A	A									
1901E57-002	Area B-S-1-4.0	Soil	1/30/2019 12:15	☐	A	A	A									
1901E57-003	Area B-B-1-5.5	Soil	1/30/2019 12:10	☐	A		A									
1901E57-004	Area D-B-1-5.25	Soil	1/30/2019 13:10	☐	A		A									
1901E57-005	Area D-S-1-4.5	Soil	1/30/2019 13:05	☐	A	A	A									
1901E57-006	Area A-S-2-5.0	Soil	1/30/2019 13:15	☐		A										

Test Legend:

1	G-MBTEX_S	2	PBMS_TTLC_S	3	TPH(D)_S	4	
5		6		7		8	
9		10		11		12	

Project Manager: Theresa Johnson **Prepared by: Lilly Ortiz**

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.

Comments: TPH cancel on 001 & Lead added 1/31/19 1 day Rush.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: TPH cancel on 001 & Lead added 1/31/19 1 day Rush.

Work Order: 1901E57
QC Level: LEVEL 2
Date Logged: 1/30/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901E57-001A	Area A-S-1-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 9:00	1 day		☐	
			Multi-Range TPH(g,d,mo)			☐		2 days		☑	
1901E57-002A	Area B-S-1-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 12:15	2 days		☐	
			Multi-Range TPH(g,d,mo)			☐		2 days		☐	
1901E57-003A	Area B-B-1-5.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 12:10	2 days		☐	
1901E57-004A	Area D-B-1-5.25	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 13:10	2 days		☐	
1901E57-005A	Area D-S-1-4.5	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 13:05	2 days		☐	
			Multi-Range TPH(g,d,mo)			☐		2 days		☐	
1901E57-006A	Area A-S-2-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	1/30/2019 13:15	2 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH!

Plz cc: gstafford@langan.com

13095

LANGAN

CHAIN OF CUSTODY RECORD

1901E57

Page 1 of 1

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

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: ~~48~~ HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Lead 6020	TPHd/g @ 8015	TTLC Lead	Silica gel clean-up	Hold	Remarks
Area A-S-1-4.0	1/30/19	900		X							X	X	X	X			TPHg/d ONLY
Area B-B-1-5.0		930										X	X				DISPOSE
Area B-S-1-4.0		1015										X	X				DISPOSE
Area B-S-1-4.0		1215										X	X				
Area B-B-1-5.5		1210											X				
Area D-B-1-5.25		1310											X				
Area D-S-1-4.5		1305										X	X				
Area A-S-2-5.0	↓	1315		↓							↓	X					

	Date	Time		Date	Time
Relinquished by: (Signature)	1/30/19	1315	Received by: (Signature)	1/30/19	1315
Relinquished by: (Signature)	1/30/19	1700	Received by: (Signature)	1/30/19	1700 2.7°C ice
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell
Laboratory Comments/Notes: Added 1/31/19 RUSH

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

LANGAN RUSH! Plz cc: gstafford@langan.com 13095

CHAIN OF CUSTODY RECORD

1901E57 Page 1 of 1

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

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: ~~10~~ HR 48

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Lead 6020	TPHd/g 8015	Silica gel clean-up	Hold	Remarks
Area A-S-1-4.0	1/30/19	900		X							X	~~X~~	X			TPHg/d ONLY
Area B-B-1-~~5.0~~		930											X			DISPOSE
Area B-S-1-4.0		1015										X	X			DISPOSE
Area B-S-1-4.0		1215										X	X			
Area B-B-1-5.5		1210											X			
Area D-B-1-5.25		1310											X			
Area D-S-1-4.5		1305										X	X			
Area A-S-2-5.0	↓	1315		↓							↓	X				

Relinquished by: (Signature)	Date: 1/30/19	Time 1315	Received by: (Signature)	Date 1/30/19	Time 1315
Relinquished by: (Signature)	Date: 1/30/19	Time 1700	Received by: (Signature)	Date 1/30/19	Time 1700 27°C ice
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

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

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

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**1/30/2019 17:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**1/30/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1901E57** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 2.7°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1901E57 A

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 01/30/2019

Analytical Report reviewed & approved for release on 02/14/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1901E57 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1901E57
Date Received:	1/30/19 17:00	**Extraction Method:**	CA Title 22
Date Prepared:	2/11/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1-4.0	**1901E57-002A**	**Soil**	**01/30/2019 12:15**	**ICP-MS2 049SMPL.D**	**172850**

Analytes	Result	RL	DF	Date Analyzed
Lead	**8.5**	0.10	1	02/14/2019 13:42

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1901E57
Date Received:	1/30/19 17:00	**Extraction Method:**	SW1311/SW3010
Date Prepared:	2/11/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1-4.0	**1901E57-002A**	**Soil**	**01/30/2019 12:15**	**ICP-MS3 075SMPL.D**	**172842**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	02/12/2019 20:20

Analyst(s): MIG

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Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	2/11/19	**BatchID:**	172850
Date Analyzed:	2/13/19 - 2/14/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172850 1901E57-002AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.6	9.6	10	96	96	75-125	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead		N/A	N/A		N/A	N/A	N/A	-	N/A	-

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	7.6	8.466	10.2	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	1901E57
Date Prepared:	2/11/19	**BatchID:**	172842
Date Analyzed:	2/12/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172842 1901E57-002AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.6	9.5	10	96	95	75-125	0.630	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	9.6	9.6	10	ND	96	96	75-125	0	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	ND<0.50	ND	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1901E57 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 01/30/2019
Date Logged: 01/30/2019
Date Add-On: 02/11/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901E57-002	Area B-S-1-4.0	Soil	1/30/2019 12:15	☐	A	A										

Test Legend:

1	PBMS_STLC_S	2	PBMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Theresa Johnson

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: TPH cancel on 001 & Lead added 1/31/19 1 day Rush. STLC & TCLP Pb added to 002 2/11/19 Rush.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street

Comments: TPH cancel on 001 & Lead added 1/31/19 1 day Rush. STLC & TCLP Pb added to 002 2/11/19 Rush.

Work Order: 1901E57
QC Level: LEVEL 2
Date Logged: 1/30/2019
Date Add-On: 2/11/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901E57-002A	Area B-S-1-4.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	1/30/2019 12:15	1 day*		☐	
			SW6020 (Lead) (STLC)				1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH!

Plz cc: gstafford@langan.com

13095

LANGAN

CHAIN OF CUSTODY RECORD

1901E57

Page 1 of 1

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

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: ~~HR~~ 48

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Lead 6020 TPHd/g 8015	TTLC Lead	STLC Pb	TCLP Pb	Silica gel clean-up	Hold	Remarks
Area A-S-1-4.0	1/30/19	900		X							X	X	X					TPHg/d ONLY
Area B-B-1-5.0		930										X						DISPOSE
Area B-S-1-4.0		1015										X						DISPOSE
Area B-S-1-4.0		1215										X		X	X			
Area B-B-1-5.5		1210										X						
Area D-B-1-5.25		1310										X						
Area D-S-1-4.5		1305										X						
Area A-S-2-5.0	↓	1315		↓							↓	X						

	Date	Time		Date	Time
Relinquished by: (Signature)	1/30/19	1315	Received by: (Signature)	1/30/19	1315
Relinquished by: (Signature)	1/30/19	1700	Received by: (Signature)	1/30/19	1700 2.7°C ice
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell

Laboratory Comments/Notes: Added 1/31/19 RUSH

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

Added 2/11/19 RUSH

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

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1902A73

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/21/2019

Analytical Report reviewed & approved for release on 02/22/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902A73

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902A73

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A73
Date Received:	2/21/19 14:15	**Extraction Method:**	SW5030B
Date Prepared:	2/21/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-B-1-6.0	**1902A73-001A**	**Soil**	**02/21/2019 08:15**	**GC19 02211931.D**	**173401**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**6.1**	1.0	1	02/22/2019 04:34
MTBE	---	0.050	1	02/22/2019 04:34
Benzene	---	0.0050	1	02/22/2019 04:34
Toluene	---	0.0050	1	02/22/2019 04:34
Ethylbenzene	---	0.0050	1	02/22/2019 04:34
m,p-Xylene	---	0.010	1	02/22/2019 04:34
o-Xylene	---	0.0050	1	02/22/2019 04:34
Xylenes	---	0.0050	1	02/22/2019 04:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	78	62-126	02/22/2019 04:34

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-B-1-6.0	**1902A73-002A**	**Soil**	**02/21/2019 08:50**	**GC7 02211946.D**	**173401**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**230**	50	50	02/22/2019 10:49
MTBE	---	2.5	50	02/22/2019 10:49
Benzene	---	0.25	50	02/22/2019 10:49
Toluene	---	0.25	50	02/22/2019 10:49
Ethylbenzene	---	0.25	50	02/22/2019 10:49
m,p-Xylene	---	0.50	50	02/22/2019 10:49
o-Xylene	---	0.25	50	02/22/2019 10:49
Xylenes	---	0.25	50	02/22/2019 10:49

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	02/22/2019 10:49

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A73
Date Received:	2/21/19 14:15	**Extraction Method:**	SW3550B
Date Prepared:	2/21/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-B-1-6.0	**1902A73-001A**	**Soil**	**02/21/2019 08:15**	**GC6A 02211956.D**	**173400**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.3**	1.0	1	02/22/2019 05:19

Surrogates	REC (%)	Limits	
C9	104	74-123	02/22/2019 05:19

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area D-B-1-6.0	**1902A73-002A**	**Soil**	**02/21/2019 08:50**	**GC11B 02211949.D**	**173400**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**680**	50	50	02/22/2019 02:26

Surrogates	REC (%)	Limits	
C9	112	74-123	02/22/2019 02:26

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A73
Date Prepared:	2/21/19	**BatchID:**	173401
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173401

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.15,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Xylenes	ND	N/A	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.089			0.10	89	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.59	0.60	0.60	98	99	82-118	1.36	20
MTBE	0.079	0.077	0.10	79	77	61-119	2.77	20
Benzene	0.092	0.091	0.10	92	91	77-128	1.17	20
Toluene	0.096	0.095	0.10	96	95	74-132	0.841	20
Ethylbenzene	0.098	0.097	0.10	98	97	84-127	0.421	20
m,p-Xylene	0.20	0.20	0.20	101	100	80-120	0.564	20
o-Xylene	0.10	0.10	0.10	101	100	80-120	0.722	20
Xylenes	0.30	0.30	0.30	101	100	86-129	0.617	20
Surrogate Recovery								
2-Fluorotoluene	0.091	0.090	0.10	91	90	75-134	0.949	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A73
Date Prepared:	2/21/19	**BatchID:**	173400
Date Analyzed:	2/22/19	**Extraction Method:**	SW3550B
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173400

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.86	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.5	5.0	-	-	-
Surrogate Recovery						
C9	22			25	86	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	42	40	106	105	75-128	0.437	30
Surrogate Recovery								
C9	22	22	25	89	87	72-122	2.66	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902A73 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/21/2019**
Date Logged: **02/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1902A73-001	Area G-B-1-6.0	Soil	2/21/2019 08:15	☐	A	A										
1902A73-002	Area D-B-1-6.0	Soil	2/21/2019 08:50	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(D)_S	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius **Prepared by: Agustina Venegas**

The following SampIDs: 001A, 002A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1902A73
QC Level: LEVEL 2
Date Logged: 2/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902A73-001A	Area G-B-1-6.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/21/2019 8:15	1 day		☐	
1902A73-002A	Area D-B-1-6.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/21/2019 8:50	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

1902A73
13301

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Site Name: 1548 Maple Street
Job Number: 731655405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: XXTPH g/d														Silica gel clean-up	Hold	Remarks
Area G-B-1-6.0	2/21/19	0815		X							X		X															
Area D-B-1-6.0	↓	0850		X							X		X															

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	2/21/19	1151		2/21/19	1151
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	2/21/19	1415		2/21/19	1415
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**2/21/2019 14:15**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**2/21/2019**
		Received by:	Agustina Venegas
WorkOrder №:	**1902A73** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1902E94

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/28/2019

Analytical Report reviewed & approved for release on 03/01/2019 by:

Heidi Fruhlinger
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902E94

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902E94

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1902E94
Date Received:	2/28/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	2/28/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1A-4.0	**1902E94-004A**	**Soil**	**02/28/2019 08:30**	**GC19 02281940.D**	**173811**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**19**	1.0	1	03/01/2019 11:05
MTBE	---	0.050	1	03/01/2019 11:05
Benzene	---	0.0050	1	03/01/2019 11:05
Toluene	---	0.0050	1	03/01/2019 11:05
Ethylbenzene	---	0.0050	1	03/01/2019 11:05
m,p-Xylene	---	0.010	1	03/01/2019 11:05
o-Xylene	---	0.0050	1	03/01/2019 11:05
Xylenes	---	0.0050	1	03/01/2019 11:05

Surrogates	REC (%)	Limits	
2-Fluorotoluene	68	62-126	03/01/2019 11:05

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1A-2.0	**1902E94-006A**	**Soil**	**02/28/2019 09:00**	**GC19 02281939.D**	**173811**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	03/01/2019 10:34
MTBE	---	0.050	1	03/01/2019 10:34
Benzene	---	0.0050	1	03/01/2019 10:34
Toluene	---	0.0050	1	03/01/2019 10:34
Ethylbenzene	---	0.0050	1	03/01/2019 10:34
m,p-Xylene	---	0.010	1	03/01/2019 10:34
o-Xylene	---	0.0050	1	03/01/2019 10:34
Xylenes	---	0.0050	1	03/01/2019 10:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	72	62-126	03/01/2019 10:34

Analyst(s): IA

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Analytical Report

Client: Langan
Date Received: 2/28/19 17:00
Date Prepared: 2/28/19
Project: 731685405; 1548 Maple Street

WorkOrder: 1902E94
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-3-5.0	1902E94-002A	Soil	02/28/2019 07:55	ICP-MS2 036SMPL.D	173838

Analytes	Result	RL	DF	Date Analyzed
Lead	**61**	0.50	1	03/01/2019 18:07

Surrogates	REC (%)	Limits	
Terbium	97	70-130	03/01/2019 18:07

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1A-4.0	1902E94-004A	Soil	02/28/2019 08:30	ICP-MS2 037SMPL.D	173838

Analytes	Result	RL	DF	Date Analyzed
Lead	**40**	0.50	1	03/01/2019 18:13

Surrogates	REC (%)	Limits	
Terbium	106	70-130	03/01/2019 18:13

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-4A-4.0	1902E94-005A	Soil	02/28/2019 08:45	ICP-MS2 038SMPL.D	173838

Analytes	Result	RL	DF	Date Analyzed
Lead	**31**	0.50	1	03/01/2019 18:19

Surrogates	REC (%)	Limits	
Terbium	116	70-130	03/01/2019 18:19

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1A-2.0	1902E94-006A	Soil	02/28/2019 09:00	ICP-MS2 043SMPL.D	173838

Analytes	Result	RL	DF	Date Analyzed
Lead	**38**	0.50	1	03/01/2019 18:49

Surrogates	REC (%)	Limits	
Terbium	115	70-130	03/01/2019 18:49

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	1902E94
Date Received:	2/28/19 17:00	**Extraction Method:**	SW3550B
Date Prepared:	2/28/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area B-S-1A-4.0	**1902E94-004A**	**Soil**	**02/28/2019 08:30**	**GC11B 02281951.D**	**173840**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**53**	10	10	03/01/2019 11:01

Surrogates	REC (%)	Limits	
C9	89	74-123	03/01/2019 11:01

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1A-2.0	**1902E94-006A**	**Soil**	**02/28/2019 09:00**	**GC6B 02281961.D**	**173840**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**49**	10	10	03/01/2019 05:48

Surrogates	REC (%)	Limits	
C9	75	74-123	03/01/2019 05:48

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902E94
Date Prepared:	2/28/19	**BatchID:**	173811
Date Analyzed:	2/28/19 - 3/1/19	**Extraction Method:**	SW5030B
Instrument:	GC19, GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173811

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.14,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Xylenes	ND	N/A	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.082			0.10	82	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.59	0.58	0.60	98	96	82-118	1.49	20
MTBE	0.080	0.078	0.10	80	78	61-119	3.07	20
Benzene	0.096	0.091	0.10	96	91	77-128	4.68	20
Toluene	0.097	0.093	0.10	97	93	74-132	4.23	20
Ethylbenzene	0.097	0.094	0.10	97	94	84-127	3.61	20
m,p-Xylene	0.20	0.19	0.20	99	96	80-120	3.31	20
o-Xylene	0.099	0.095	0.10	99	95	80-120	3.30	20
Xylenes	0.30	0.29	0.30	99	96	86-129	3.31	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.089	0.10	93	89	75-134	4.17	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902E94
Date Prepared:	2/28/19	**BatchID:**	173838
Date Analyzed:	3/1/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173838

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	490			500	98	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	49	48	50	99	96	75-125	3.37	20
Surrogate Recovery								
Terbium	530	520	500	105	103	70-130	1.82	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902E94
Date Prepared:	2/28/19	**BatchID:**	173840
Date Analyzed:	3/1/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173840

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.86	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.5	5.0	-	-	-
Surrogate Recovery						
C9	20			25	78	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	43	40	106	107	75-128	1.04	30
Surrogate Recovery								
C9	20	20	25	80	80	72-122	0	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902E94 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Grace Stafford
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: gstafford@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/28/2019**
Date Logged: **02/28/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902E94-001	Area A-B-1-6.0	Soil	2/28/2019 09:15	☐		A										
1902E94-002	Area A-B-3-5.0	Soil	2/28/2019 07:55	☐		A										
1902E94-004	Area B-S-1A-4.0	Soil	2/28/2019 08:30	☐	A	A	A									
1902E94-005	Area A-S-4A-4.0	Soil	2/28/2019 08:45	☐		A										
1902E94-006	Area C-S-1A-2.0	Soil	2/28/2019 09:00	☐	A	A	A									

Test Legend:

1	G-MBTEX_S	2	PBMS_TTLC_S	3	TPH(D)_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampIDs: 004A, 006A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: Sample 001 Placed on HOLD per email 3/1/19

Work Order: 1902E94
QC Level: LEVEL 2
Date Logged: 2/28/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902E94-001A	Area A-B-1-6.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/28/2019 9:15	1 day		☑	
1902E94-002A	Area A-B-3-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/28/2019 7:55	1 day		☐	
1902E94-003A	Area A-B-3-6.0	Soil		1	Stainless Steel tube 2"x6"	☐	2/28/2019 8:00			☑	
1902E94-004A	Area B-S-1A-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/28/2019 8:30	1 day		☐	
			Multi-Range TPH(g,d,mo)			☐		1 day		☐	
1902E94-005A	Area A-S-4A-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/28/2019 8:45	1 day		☐	
1902E94-006A	Area C-S-1A-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/28/2019 9:00	1 day		☐	
			Multi-Range TPH(g,d,mo)			☐		1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902E94

cc: gstafford@langan.com

13302

LANGAN RUSH

CHAIN OF CUSTODY RECORD

- [x] ~~555 Montgomery Street, Suite 1300, San Francisco, CA 94111~~ 135 Main St, Suite 1500 San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1546 Maple Street
Job Number: 731655405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-g/d	Total Lead	Silica gel clean-up	Hold *	Remarks
Area A	A-B-1-6.0	2/25/19	0915	X							X		X		X	
Area A	A-B-3-5.0	↓	0755	↓							↓		X			
Area A	A-B-3-6.0		0800										X		X	
Area B	B-5-1A-4.0		0830									X	X			
Area A	A-5-4A-4.0		0845										X			
Area C	C-5-1A-2.0	↓	0900	↓							↓	X	X			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/25/19	1748		2/25/19	1148
	2/28/19	1700		2/28/19	1100 3.5°C
	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

Laboratory Comments/Notes:
* Area-A-B-1-6.0 Placed on HOLD 3/1/19

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

1902E94

cc: gstafford@langan.com

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LANGAN RUSH

CHAIN OF CUSTODY RECORD

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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1546 Maple Street
Job Number: 731665405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-g/d	Total Lead	Silica gel clean-up	Hold	Remarks
Area A-B-1-6.0	2/25/19	0915		X							X		X			
Area A-B-3-5.0		0755											X			
Area A-B-3-6.0		0800											X		X	
Area B-S-1A-4.0		0830										X	X			
Area A-S-4A-4.0		0845											X			
Area C-S-1A-2.0		0900										X	X			

	Date	Time		Date	Time
Relinquished by: (Signature)	2/25/19	1748	Received by: (Signature)	2/25/19	1148
Relinquished by: (Signature)	2/26/19	1700	Received by: (Signature)	2/28/19	1700 3.5°C
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**2/28/2019 17:00**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**2/28/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1902E94** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3.5°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1902E94 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/28/2019

Analytical Report reviewed & approved for release on 03/07/2019 by:

Yen Cao

Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902E94 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902E94
Date Received:	2/28/19 17:00	**Extraction Method:**	CA Title 22
Date Prepared:	3/4/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-3-5.0	**1902E94-002A**	**Soil**	**02/28/2019 07:55**	**ICP-MS2 147SMPL.D**	**174018**

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.7**	0.10	1	03/07/2019 02:35

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1902E94
Date Received:	2/28/19 17:00	**Extraction Method:**	SW3050B
Date Prepared:	3/4/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-3-6.0	**1902E94-003A**	**Soil**	**02/28/2019 08:00**	**ICP-MS2 194SMPL.D**	**173985**

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.5**	0.50	1	03/06/2019 07:45

Surrogates	REC (%)	Limits	
Terbium	109	70-130	03/06/2019 07:45

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902E94
Date Prepared:	3/4/19	**BatchID:**	174018
Date Analyzed:	3/6/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-174018

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.9	9.9	10	99	99	75-125	0	20

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902E94
Date Prepared:	3/4/19	**BatchID:**	173985
Date Analyzed:	3/5/19 - 3/6/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173985

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	520			500	104	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	49	49	50	98	98	75-125	0	20
Surrogate Recovery								
Terbium	500	520	500	100	104	70-130	3.63	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902E94 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **02/28/2019**
Date Logged: **02/28/2019**
Date Add-On: **03/04/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902E94-002	Area A-B-3-5.0	Soil	2/28/2019 07:55	☐	A											
1902E94-003	Area A-B-3-6.0	Soil	2/28/2019 08:00	☐		A										

Test Legend:

1	PBMS_STLC_S	2	PBMS_TTLC_S	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Lilly Ortiz

Add-On Prepared By: Kena Ponce

Comments: Sample 001 Placed on HOLD per email 3/1/19. STLC Pb added 002 and TTLC Pb added 003 3/4/19 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: Sample 001 Placed on HOLD per email 3/1/19. STLC Pb added 002 and TTLC Pb added 003 3/4/19 STAT.

Work Order: 1902E94
QC Level: LEVEL 2
Date Logged: 2/28/2019
Date Add-On: 3/4/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902E94-002A	Area A-B-3-5.0	Soil	SW6020 (Lead) (STLC)	1	Stainless Steel tube 2"x6"	2/28/2019 7:55	5 days*		☐	
1902E94-003A	Area A-B-3-6.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	2/28/2019 8:00	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902E94

cc: gstafford@langan.com

13302

LANGAN RUSH

CHAIN OF CUSTODY RECORD

Page 1 of 1

- [x] ~~555 Montgomery Street, Suite 1300, San Francisco, CA 94111~~ 135 Main St, Suite 1500 San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731655405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-g/d	Total Lead	BTEX PB 3/4/19 STAT	Silica gel clean-up	Hold *	Remarks
Area A-B-1-6.0	2/28/19	0915		X							X	X	X			X	
Area A-B-3-5.0		0755										X	X	X			
Area A-B-3-6.0		0800										X	X			X	Off HOLD 3/4/19 STAT
Area B-5-1A-4.0		0830										X	X				
Area A-5-4A-4.0		0845										X	X				
Area C-5-1A-2.0		0900										X	X				
				*													

Relinquished by: (Signature) [signature]	Date: 2/28/19	Time 1148	Received by: (Signature) [signature]	Date 2/28/19	Time 1148
Relinquished by: (Signature) [signature]	Date: 2/28/19	Time 1700	Received by: (Signature) [signature]	Date 2/28/19	Time 1700 3.5°C
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:
* Area-A-B-1-6.0 Placed on HOLD 3/1/19

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1906A93

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/21/2019

Analytical Report reviewed & approved for release on 06/27/2019 by:

Susan Thompson
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906A93

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906A93
Date Received:	6/21/19 15:30	**Extraction Method:**	SW3050B
Date Prepared:	6/21/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-B-1-6.0	1906A93-001A	Soil	06/19/2019 08:20	ICP-MS3 180SMPL.D	180125

Analytes	Result	RL	DF	Date Analyzed
Lead	**110**	0.50	1	06/25/2019 03:49

Surrogates	REC (%)	Limits	
Terbium	101	70-130	06/25/2019 03:49

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A2-B-1-6.0	1906A93-002A	Soil	06/19/2019 08:15	ICP-MS3 181SMPL.D	180125

Analytes	Result	RL	DF	Date Analyzed
Lead	**220**	0.50	1	06/25/2019 03:55

Surrogates	REC (%)	Limits	
Terbium	99	70-130	06/25/2019 03:55

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906A93
Date Prepared:	6/21/19	**BatchID:**	180125
Date Analyzed:	6/21/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-180125

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	50	48	50	99	96	75-125	3.77	20
Surrogate Recovery								
Terbium	520	500	500	103	100	70-130	2.71	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906A93 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/21/2019**
Date Logged: **06/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906A93-001	Sub Area A1-B-1-6.0	Soil	6/19/2019 08:20	☐	A											
1906A93-002	Sub Area A2-B-1-6.0	Soil	6/19/2019 08:15	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906A93
QC Level: LEVEL 2
Date Logged: 6/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906A93-001A	Sub Area A1-B-1-6.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/19/2019 8:20	5 days		☐	
1906A93-002A	Sub Area A2-B-1-6.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/19/2019 8:15	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

12834 1906493

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

☒ ~~555 Montgomery~~ 135 Main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105
☐ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 7316855405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Total Lead	Silica gel clean-up	Hold	Remarks
Sub Area A1-B-1-6.0	6/19/19	0820		X							X	X			
Sub Area A2-B-1-6.0	6/19/19	0815		X							X	X			

Relinquished by: (Signature) Grace Stafford	Date: 6/21/19	Time 1145	Received by: (Signature) UAP	Date 6/21/19 Time 1145
Relinquished by: (Signature) UAP	Date: 6/21/19	Time 1530	Received by: (Signature)	Date 6/21/19 Time 1530
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

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

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/21/2019 15:30**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/21/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1906A93** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 0.2°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906B24

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 06/21/2019

Analytical Report reviewed & approved for release on 06/24/2019 by:

Angela Rydelius
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906B24

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client: Langan
Date Received: 6/21/19 16:30
Date Prepared: 6/21/19
Project: 731685405; 1548 Maple Street Development

WorkOrder: 1906B24
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-S-1-1.0	1906B24-001A	Soil	06/21/2019 10:13	ICP-MS1 027SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**76**	0.50	1	06/24/2019 11:27

Surrogates	REC (%)	Limits	
Terbium	102	70-130	06/24/2019 11:27

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-S-2-1.0	1906B24-002A	Soil	06/21/2019 10:15	ICP-MS1 031SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**47**	0.50	1	06/24/2019 11:51

Surrogates	REC (%)	Limits	
Terbium	101	70-130	06/24/2019 11:51

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-S-3-1.0	1906B24-003A	Soil	06/21/2019 10:17	ICP-MS1 032SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**42**	0.50	1	06/24/2019 11:57

Surrogates	REC (%)	Limits	
Terbium	99	70-130	06/24/2019 11:57

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-S-4-1.0	1906B24-004A	Soil	06/21/2019 10:25	ICP-MS1 033SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**28**	0.50	1	06/24/2019 12:03

Surrogates	REC (%)	Limits	
Terbium	97	70-130	06/24/2019 12:03

Analyst(s): JC

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B24
Date Received:	6/21/19 16:30	**Extraction Method:**	SW3050B
Date Prepared:	6/21/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-S-5-1.0	1906B24-005A	Soil	06/21/2019 10:28	ICP-MS1 034SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**26**	0.50	1	06/24/2019 12:09

Surrogates	REC (%)	Limits	
Terbium	98	70-130	06/24/2019 12:09

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-B-1-2.0	1906B24-006A	Soil	06/21/2019 10:30	ICP-MS1 035SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**20**	0.50	1	06/24/2019 12:15

Surrogates	REC (%)	Limits	
Terbium	99	70-130	06/24/2019 12:15

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-B-2-2.0	1906B24-007A	Soil	06/21/2019 10:35	ICP-MS1 036SMPL.D	180149

Analytes	Result	RL	DF	Date Analyzed
Lead	**350**	0.50	1	06/24/2019 12:21

Surrogates	REC (%)	Limits	
Terbium	100	70-130	06/24/2019 12:21

Analyst(s): JC

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1906B24
Date Prepared:	6/21/19	**BatchID:**	180149
Date Analyzed:	6/24/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180149

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	510			500	101	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	51	50	50	102	101	75-125	1.24	20
Surrogate Recovery								
Terbium	510	520	500	102	104	70-130	1.30	20

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906B24 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com; gstafford@langan.c
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **06/21/2019**
Date Logged: **06/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906B24-001	Area-F-S-1-1.0	Soil	6/21/2019 10:13	☐	A											
1906B24-002	Area-F-S-2-1.0	Soil	6/21/2019 10:15	☐	A											
1906B24-003	Area-F-S-3-1.0	Soil	6/21/2019 10:17	☐	A											
1906B24-004	Area-F-S-4-1.0	Soil	6/21/2019 10:25	☐	A											
1906B24-005	Area-F-S-5-1.0	Soil	6/21/2019 10:28	☐	A											
1906B24-006	Area-F-B-1-2.0	Soil	6/21/2019 10:30	☐	A											
1906B24-007	Area-F-B-2-2.0	Soil	6/21/2019 10:35	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments

Work Order: 1906B24
QC Level: LEVEL 2
Date Logged: 6/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906B24-001A	Area-F-S-1-1.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:13	1 day		☐	
1906B24-002A	Area-F-S-2-1.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:15	1 day		☐	
1906B24-003A	Area-F-S-3-1.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:17	1 day		☐	
1906B24-004A	Area-F-S-4-1.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:25	1 day		☐	
1906B24-005A	Area-F-S-5-1.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:28	1 day		☐	
1906B24-006A	Area-F-B-1-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:30	1 day		☐	
1906B24-007A	Area-F-B-2-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/21/2019 10:35	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

13393 1906824

LANGAN

CHAIN OF CUSTODY RECORD

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

Site Name: 1548 Maple Street Development
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland, Grace Stafford, Rob Miland
Samplers: Rob Miland
Recorder (Signature Required):

Turnaround Time: 24 Hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead												Silica gel clean-up	Hold	Remarks
Area-F-S-1-1.0	6-21-19	1013		X							X		X													
Area-F-S-2-1.0		1015		X							X		X													
Area-F-S-3-1.0		1017		X							X		X													
Area-F-S-4-1.0		1025		X							X		X													
Area-F-S-5-1.0		1028		X							X		X													
Area-F-B-1-2.0		1030		X							X		X													
Area-F-B-2-2.0		1035		X							X		X													

Relinquished by: (Signature)	Date: 6-21-19	Time 1243	Received by: (Signature)	Date 6/21/19 Time 1243
Relinquished by: (Signature)	Date: 6/21/19	Time 1630	Received by: (Signature)	Date 6/21/19 Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**6/21/2019 16:30**
Project:	**731685405; 1548 Maple Street Development**	Date Logged:	**6/21/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1906B24** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.8°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906B24 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 06/21/2019

Analytical Report reviewed & approved for release on 07/08/2019 by:

Yen Cao

Project Manager

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906B24 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B24
Date Received:	6/21/19 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	7/3/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-B-2-2.0	**1906B24-007A**	**Soil**	**06/21/2019 10:35**	**ICP-MS2 053SMPL.D**	**180936**

Analytes	Result	RL	DF	Date Analyzed
Lead	**14**	0.10	1	07/06/2019 01:31

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B24
Date Received:	6/21/19 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	7/2/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-B-2-2.0	1906B24-007A	Soil	06/21/2019 10:35	ICP-MS2 070SMPL.D	180865

Analytes	Result	RL	DF	Date Analyzed
Lead	**0.11**	0.10	1	07/05/2019 18:01

Analyst(s): MIG

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1906B24
Date Prepared:	7/3/19	**BatchID:**	180936
Date Analyzed:	7/5/19 - 7/6/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB-180936 1906B24-007AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	26	26	10	14.42	112	115	75-125	1.16	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	14	14.42	2.91	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1906B24
Date Prepared:	7/2/19	**BatchID:**	180865
Date Analyzed:	7/5/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180865

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	10	10	10	101	102	75-125	1.00	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906B24 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com; gstafford@langan.c
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **06/21/2019**
Date Logged: **06/21/2019**
Date Add-On: **07/02/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906B24-007	Area-F-B-2-2.0	Soil	6/21/2019 10:35	☐	A	A										

Test Legend:

1	PBMS_STLC_S	2	PBMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC & TCLP Lead added to 007 7/2/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments: STLC & TCLP Lead added to 007 7/2/19 Rush TAT.

Work Order: 1906B24
QC Level: LEVEL 2
Date Logged: 6/21/2019
Date Add-On: 7/2/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906B24-007A	Area-F-B-2-2.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x3"	6/21/2019 10:35	1 day*		☐	
			SW6020 (Lead) (STLC)				1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

13393 1906324

LANGAN

CHAIN OF CUSTODY RECORD

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

Site Name: 1548 Maple Street Development
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland, Grace Stafford, Rob Milano
Samplers: Rob Milano
Recorder (Signature Required):

Turnaround Time: 24 Hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead	STLC + TCLP Pb									Silica gel clean-up	Hold	Remarks
Area-F-S-1-1.0	6-21-19	1013		X							X		X												
Area-F-S-2-1.0		1015		X							X		X												
Area-F-S-3-1.0		1017		X							X		X												
Area-F-S-4-1.0		1025		X							X		X												
Area-F-S-5-1.0		1028		X							X		X												
Area-F-B-1-2.0		1030		X							X		X												
Area-F-B-2-2.0		1035		X							X		X	X											

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	6-21-19	1243		6/21/19	1243
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	6/21/19	1630		6/21/19	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell
Laboratory Comments/Notes: added 7/2/19 RUSH

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906B26

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 06/21/2019

Analytical Report reviewed & approved for release on 06/28/2019 by:

Christine Askari
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906B26

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906B26

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment
b8	Sample diluted prior to digestion due to high sediment content.
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW3510C
Date Prepared:	6/21/19	**Analytical Method:**	SW8082
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001I**	**Water**	**06/21/2019 11:05**	**GC23 06241946.d**	**180137**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	06/25/2019 02:21
Aroclor1221	ND	0.50	1	06/25/2019 02:21
Aroclor1232	ND	0.50	1	06/25/2019 02:21
Aroclor1242	ND	0.50	1	06/25/2019 02:21
Aroclor1248	ND	0.50	1	06/25/2019 02:21
Aroclor1254	ND	0.50	1	06/25/2019 02:21
Aroclor1260	ND	0.50	1	06/25/2019 02:21
PCBs, total	ND	0.50	1	06/25/2019 02:21

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	127	61-139	06/25/2019 02:21

Analyst(s): LT Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	6/24/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001F**	**Water**	**06/21/2019 11:05**	**GC38 06241918.D**	**180225**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	06/24/2019 17:45
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/24/2019 17:45
Benzene	ND	0.50	1	06/24/2019 17:45
Bromobenzene	ND	0.50	1	06/24/2019 17:45
Bromochloromethane	ND	0.50	1	06/24/2019 17:45
Bromodichloromethane	ND	0.50	1	06/24/2019 17:45
Bromoform	ND	0.50	1	06/24/2019 17:45
Bromomethane	ND	0.50	1	06/24/2019 17:45
2-Butanone (MEK)	ND	5.0	1	06/24/2019 17:45
t-Butyl alcohol (TBA)	ND	5.0	1	06/24/2019 17:45
n-Butyl benzene	ND	0.50	1	06/24/2019 17:45
sec-Butyl benzene	ND	0.50	1	06/24/2019 17:45
tert-Butyl benzene	ND	0.50	1	06/24/2019 17:45
Carbon Disulfide	ND	0.50	1	06/24/2019 17:45
Carbon Tetrachloride	ND	0.50	1	06/24/2019 17:45
Chlorobenzene	ND	0.50	1	06/24/2019 17:45
Chloroethane	ND	0.50	1	06/24/2019 17:45
Chloroform	ND	0.50	1	06/24/2019 17:45
Chloromethane	ND	0.50	1	06/24/2019 17:45
2-Chlorotoluene	ND	0.50	1	06/24/2019 17:45
4-Chlorotoluene	ND	0.50	1	06/24/2019 17:45
Dibromochloromethane	ND	0.50	1	06/24/2019 17:45
1,2-Dibromo-3-chloropropane	ND	0.20	1	06/24/2019 17:45
1,2-Dibromoethane (EDB)	ND	0.50	1	06/24/2019 17:45
Dibromomethane	ND	0.50	1	06/24/2019 17:45
1,2-Dichlorobenzene	ND	0.50	1	06/24/2019 17:45
1,3-Dichlorobenzene	ND	0.50	1	06/24/2019 17:45
1,4-Dichlorobenzene	ND	0.50	1	06/24/2019 17:45
Dichlorodifluoromethane	ND	0.50	1	06/24/2019 17:45
1,1-Dichloroethane	ND	0.50	1	06/24/2019 17:45
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	06/24/2019 17:45
1,1-Dichloroethene	ND	0.50	1	06/24/2019 17:45
cis-1,2-Dichloroethene	ND	0.50	1	06/24/2019 17:45
trans-1,2-Dichloroethene	ND	0.50	1	06/24/2019 17:45
1,2-Dichloropropane	ND	0.50	1	06/24/2019 17:45
1,3-Dichloropropane	ND	0.50	1	06/24/2019 17:45
2,2-Dichloropropane	ND	0.50	1	06/24/2019 17:45

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	6/24/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001F**	**Water**	**06/21/2019 11:05**	**GC38 06241918.D**	**180225**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	06/24/2019 17:45
cis-1,3-Dichloropropene	ND	0.50	1	06/24/2019 17:45
trans-1,3-Dichloropropene	ND	0.50	1	06/24/2019 17:45
Diisopropyl ether (DIPE)	ND	0.50	1	06/24/2019 17:45
Ethylbenzene	ND	0.50	1	06/24/2019 17:45
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/24/2019 17:45
Freon 113	ND	0.50	1	06/24/2019 17:45
Hexachlorobutadiene	ND	0.50	1	06/24/2019 17:45
Hexachloroethane	ND	0.50	1	06/24/2019 17:45
2-Hexanone	ND	1.0	1	06/24/2019 17:45
Isopropylbenzene	ND	0.50	1	06/24/2019 17:45
4-Isopropyl toluene	ND	0.50	1	06/24/2019 17:45
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/24/2019 17:45
Methylene chloride	ND	2.0	1	06/24/2019 17:45
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	06/24/2019 17:45
Naphthalene	ND	1.0	1	06/24/2019 17:45
n-Propyl benzene	ND	0.50	1	06/24/2019 17:45
Styrene	ND	2.0	1	06/24/2019 17:45
1,1,1,2-Tetrachloroethane	ND	0.50	1	06/24/2019 17:45
1,1,2,2-Tetrachloroethane	ND	0.50	1	06/24/2019 17:45
Tetrachloroethene	ND	0.50	1	06/24/2019 17:45
Toluene	ND	0.50	1	06/24/2019 17:45
1,2,3-Trichlorobenzene	ND	0.50	1	06/24/2019 17:45
1,2,4-Trichlorobenzene	ND	0.50	1	06/24/2019 17:45
1,1,1-Trichloroethane	ND	0.50	1	06/24/2019 17:45
1,1,2-Trichloroethane	ND	0.50	1	06/24/2019 17:45
Trichloroethene	ND	0.50	1	06/24/2019 17:45
Trichlorofluoromethane	ND	0.50	1	06/24/2019 17:45
1,2,3-Trichloropropane	ND	0.50	1	06/24/2019 17:45
1,2,4-Trimethylbenzene	ND	0.50	1	06/24/2019 17:45
1,3,5-Trimethylbenzene	ND	0.50	1	06/24/2019 17:45
Vinyl Chloride	ND	0.50	1	06/24/2019 17:45
m,p-Xylene	ND	0.50	1	06/24/2019 17:45
o-Xylene	ND	0.50	1	06/24/2019 17:45
Xylenes, Total	ND	0.50	1	06/24/2019 17:45

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	6/24/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001F**	**Water**	**06/21/2019 11:05**	**GC38 06241918.D**	**180225**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	90	81-144		06/24/2019 17:45
Toluene-d8	99	85-135		06/24/2019 17:45
4-BFB	97	63-145		06/24/2019 17:45

Analyst(s): JEM Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	E625
Date Prepared:	6/24/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001G**	**Water**	**06/21/2019 11:05**	**GC21 06251914.D**	**180201**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.20	20	06/25/2019 15:29
Acenaphthylene	ND	0.20	20	06/25/2019 15:29
Acetochlor	ND	40	20	06/25/2019 15:29
Anthracene	ND	0.20	20	06/25/2019 15:29
Benzidine	ND	100	20	06/25/2019 15:29
Benzo (a) anthracene	ND	0.40	20	06/25/2019 15:29
Benzo (a) pyrene	ND	0.20	20	06/25/2019 15:29
Benzo (b) fluoranthene	ND	0.10	20	06/25/2019 15:29
Benzo (g,h,i) perylene	ND	0.40	20	06/25/2019 15:29
Benzo (k) fluoranthene	ND	0.20	20	06/25/2019 15:29
Benzoic Acid	ND	100	20	06/25/2019 15:29
Benzyl Alcohol	ND	100	20	06/25/2019 15:29
1,1-Biphenyl	ND	1.0	20	06/25/2019 15:29
Bis (2-chloroethoxy) Methane	ND	20	20	06/25/2019 15:29
Bis (2-chloroethyl) Ether	ND	0.10	20	06/25/2019 15:29
Bis (2-chloroisopropyl) Ether	ND	0.20	20	06/25/2019 15:29
Bis (2-ethylhexyl) Adipate	ND	60	20	06/25/2019 15:29
Bis (2-ethylhexyl) Phthalate	**1.9**	0.80	20	06/25/2019 15:29
4-Bromophenyl Phenyl Ether	ND	20	20	06/25/2019 15:29
Butylbenzyl Phthalate	ND	4.0	20	06/25/2019 15:29
4-Chloroaniline	ND	0.40	20	06/25/2019 15:29
4-Chloro-3-methylphenol	ND	20	20	06/25/2019 15:29
2-Chloronaphthalene	ND	20	20	06/25/2019 15:29
2-Chlorophenol	ND	0.40	20	06/25/2019 15:29
4-Chlorophenyl Phenyl Ether	ND	20	20	06/25/2019 15:29
Chrysene	ND	0.20	20	06/25/2019 15:29
Dibenzo (a,h) anthracene	ND	0.20	20	06/25/2019 15:29
Dibenzofuran	ND	20	20	06/25/2019 15:29
Di-n-butyl Phthalate	ND	0.40	20	06/25/2019 15:29
1,2-Dichlorobenzene	ND	40	20	06/25/2019 15:29
1,3-Dichlorobenzene	ND	40	20	06/25/2019 15:29
1,4-Dichlorobenzene	ND	40	20	06/25/2019 15:29
3,3-Dichlorobenzidine	ND	0.40	20	06/25/2019 15:29
2,4-Dichlorophenol	ND	0.20	20	06/25/2019 15:29
Diethyl Phthalate	ND	0.40	20	06/25/2019 15:29
2,4-Dimethylphenol	ND	20	20	06/25/2019 15:29
Dimethyl Phthalate	ND	0.40	20	06/25/2019 15:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	E625
Date Prepared:	6/24/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	1906B26-001G	Water	06/21/2019 11:05	GC21 06251914.D	180201

Analytes	Result	RL	DF	Date Analyzed
4,6-Dinitro-2-methylphenol	ND	100	20	06/25/2019 15:29
2,4-Dinitrophenol	ND	10	20	06/25/2019 15:29
2,4-Dinitrotoluene	ND	0.50	20	06/25/2019 15:29
2,6-Dichlorophenol	ND	20	20	06/25/2019 15:29
2,6-Dinitrotoluene	ND	0.20	20	06/25/2019 15:29
Di-n-octyl Phthalate	ND	2.5	20	06/25/2019 15:29
1,2-Diphenylhydrazine	ND	20	20	06/25/2019 15:29
Fluoranthene	ND	0.20	20	06/25/2019 15:29
Fluorene	ND	0.20	20	06/25/2019 15:29
Hexachlorobenzene	ND	0.10	20	06/25/2019 15:29
Hexachlorobutadiene	ND	0.20	20	06/25/2019 15:29
Hexachlorocyclopentadiene	ND	100	20	06/25/2019 15:29
Hexachloroethane	ND	0.20	20	06/25/2019 15:29
Indeno (1,2,3-cd) pyrene	ND	0.40	20	06/25/2019 15:29
Isophorone	ND	20	20	06/25/2019 15:29
2-Methylnaphthalene	ND	0.20	20	06/25/2019 15:29
2-Methylphenol (o-Cresol)	ND	20	20	06/25/2019 15:29
3 & 4-Methylphenol (m,p-Cresol)	ND	20	20	06/25/2019 15:29
Naphthalene	ND	0.20	20	06/25/2019 15:29
2-Nitroaniline	ND	100	20	06/25/2019 15:29
3-Nitroaniline	ND	100	20	06/25/2019 15:29
4-Nitroaniline	ND	100	20	06/25/2019 15:29
Nitrobenzene	ND	20	20	06/25/2019 15:29
2-Nitrophenol	ND	100	20	06/25/2019 15:29
4-Nitrophenol	ND	100	20	06/25/2019 15:29
N-Nitrosodiphenylamine	ND	20	20	06/25/2019 15:29
N-Nitrosodi-n-propylamine	ND	20	20	06/25/2019 15:29
Pentachlorophenol	ND	5.0	20	06/25/2019 15:29
Phenanthrene	ND	0.40	20	06/25/2019 15:29
Phenol	ND	0.40	20	06/25/2019 15:29
Pyrene	ND	0.40	20	06/25/2019 15:29
Pyridine	ND	20	20	06/25/2019 15:29
1,2,4-Trichlorobenzene	ND	20	20	06/25/2019 15:29
2,4,5-Trichlorophenol	ND	1.0	20	06/25/2019 15:29
2,4,6-Trichlorophenol	ND	1.0	20	06/25/2019 15:29
1-Methylnaphthalene	ND	0.20	20	06/25/2019 15:29

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	E625
Date Prepared:	6/24/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001G**	**Water**	**06/21/2019 11:05**	**GC21 06251914.D**	**180201**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	44	1-92		06/25/2019 15:29
Phenol-d5	44	5-104		06/25/2019 15:29
Nitrobenzene-d5	99	4-143		06/25/2019 15:29
2-Fluorobiphenyl	97	9-134		06/25/2019 15:29
2,4,6-Tribromophenol	113	1-159		06/25/2019 15:29
4-Terphenyl-d14	108	5-150		06/25/2019 15:29

Analyst(s): REB Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	E200.8
Date Prepared:	6/24/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Metals (>1% Sediment Content)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001J**	**Water**	**06/21/2019 11:05**	**ICP-MS1 147SMPL.D**	**180216**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	25	1	06/24/2019 23:56
Arsenic	**95**	25	1	06/24/2019 23:56
Barium	**2600**	250	1	06/24/2019 23:56
Beryllium	ND	25	1	06/24/2019 23:56
Cadmium	ND	25	1	06/24/2019 23:56
Chromium	**860**	25	1	06/24/2019 23:56
Cobalt	**180**	25	1	06/24/2019 23:56
Copper	**770**	25	1	06/24/2019 23:56
Lead	**490**	25	1	06/24/2019 23:56
Mercury	**7.3**	2.5	1	06/24/2019 23:56
Molybdenum	**110**	25	1	06/24/2019 23:56
Nickel	**1100**	25	1	06/24/2019 23:56
Selenium	ND	25	1	06/24/2019 23:56
Silver	ND	25	1	06/24/2019 23:56
Thallium	ND	25	1	06/24/2019 23:56
Vanadium	**760**	25	1	06/24/2019 23:56
Zinc	**1900**	250	1	06/24/2019 23:56

Surrogates	REC (%)	Limits	
Terbium	102	70-130	06/24/2019 23:56

Analyst(s): ND

Analytical Comments: b8,b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	Kelada-01
Date Prepared:	6/27/19	**Analytical Method:**	Kelada-01
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001H**	**Water**	**06/21/2019 11:05**	**WC_SKALAR 062719A1_49**	**180463**

Analytes	Result	RL	DF	Date Analyzed
Total Cyanide	**8.5**	1.0	1	06/27/2019 13:05

Analyst(s): NM

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW1010
Date Prepared:	6/21/19	**Analytical Method:**	SW1010
Project:	731685405; 1548 Maple Street Development	**Unit:**	°C

Flash Point by SW1010

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001C**	**Water**	**06/21/2019 11:05**	**WetChem**	**180144**

Analytes	Result	Accuracy	DF	Date Analyzed
Flash Point	**>100**	±2	1	06/21/2019 20:30

Analyst(s): PHU

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	6/25/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001A**	**Water**	**06/21/2019 11:05**	**GC3 06251913.D**	**180177**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	06/25/2019 19:55
MTBE	---	5.0	1	06/25/2019 19:55
Benzene	---	0.50	1	06/25/2019 19:55
Toluene	---	0.50	1	06/25/2019 19:55
Ethylbenzene	---	0.50	1	06/25/2019 19:55
m,p-Xylene	---	1.0	1	06/25/2019 19:55
o-Xylene	---	0.50	1	06/25/2019 19:55
Xylenes	---	0.50	1	06/25/2019 19:55

Surrogates	REC (%)	Limits	
aaa-TFT	93	76-115	06/25/2019 19:55

Analyst(s): IA Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	E420.4
Date Prepared:	6/26/19	**Analytical Method:**	E420.4
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001E**	**Water**	**06/21/2019 11:05**	**WC_SKALAR 062619A1_28**	**180420**

Analytes	Result	RL	DF	Date Analyzed
Phenolics	**12.6**	10	5	06/26/2019 11:11

Analyst(s): NM

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SM2510B
Date Prepared:	6/24/19	**Analytical Method:**	SM2510Bm-1997
Project:	731685405; 1548 Maple Street Development	**Unit:**	g/L

Salinity in g/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001B**	**Water**	**06/21/2019 11:05**	**WetChem**	**180234**

Analytes	Result	RL	DF	Date Analyzed
Salinity	**4.38 @ 23.9 °C**	1.00	1	06/24/2019 15:51

Analyst(s): PHU

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SM2510 B
Date Prepared:	6/24/19	**Analytical Method:**	SM2510B
Project:	731685405; 1548 Maple Street Development	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001C**	**Water**	**06/21/2019 11:05**	**WetChem**	**180223**

Analytes	Result	RL	DF	Date Analyzed
Specific Conductivity	**7880**	10.0	1	06/24/2019 14:58

Analyst(s): PHU

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SW3510C
Date Prepared:	6/21/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street Development	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001A**	**Water**	**06/21/2019 11:05**	**GC6B 06261947.D**	**180157**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**260**	50	1	06/27/2019 04:36
TPH-Motor Oil (C18-C36)	**380**	250	1	06/27/2019 04:36

Surrogates	REC (%)	Limits	
C9	92	61-139	06/27/2019 04:36

Analyst(s): JIS Analytical Comments: e7,e2,e8,b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1906B26
Date Received:	6/21/19 16:30	**Extraction Method:**	SM2540 D-1997
Date Prepared:	6/24/19	**Analytical Method:**	SM2540 D-1997
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E Water	**1906B26-001D**	**Water**	**06/21/2019 11:05**	**WetChem**	**180214**

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**27.0**	2.00	2	06/24/2019 14:00

Analyst(s): AL

Analytical Comments: b1

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/21/19	**BatchID:**	180137
Date Analyzed:	6/22/19	**Extraction Method:**	SW3510C
Instrument:	GC23	**Analytical Method:**	SW8082
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180137

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.12	0.50	-	-	-
Aroclor1221	ND	0.18	0.50	-	-	-
Aroclor1232	ND	0.13	0.50	-	-	-
Aroclor1242	ND	0.080	0.50	-	-	-
Aroclor1248	ND	0.28	0.50	-	-	-
Aroclor1254	ND	0.16	0.50	-	-	-
Aroclor1260	ND	0.11	0.50	-	-	-
PCBs, total	ND	N/A	0.50	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	1.4			1.25	115	61-139

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	3.8	3.7	3.75	103	99	81-145	4.01	20
Aroclor1260	4.1	3.9	3.75	110	104	76-149	6.04	20
Surrogate Recovery								
Decachlorobiphenyl	1.4	1.4	1.25	113	114	61-139	0.555	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	22			25	86	82-142
Toluene-d8	25			25	99	85-137
4-BFB	2.4			2.5	97	66-144

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	28	32	40	69	80	46-128	13.9	20
tert-Amyl methyl ether (TAME)	3.4	3.9	4	86	97	65-118	12.7	20
Benzene	3.5	3.9	4	87	99	71-120	12.1	20
Bromobenzene	3.6	4.1	4	89	101	67-121	12.6	20
Bromochloromethane	3.4	3.8	4	84	95	71-127	12.6	20
Bromodichloromethane	3.1	3.5	4	77	89	67-120	14.2	20
Bromoform	2.7	3.1	4	69	77	59-121	11.6	20
Bromomethane	2.8	3.2	4	71	80	44-175	11.9	20
2-Butanone (MEK)	12	14	16	76	86	50-121	12.1	20
t-Butyl alcohol (TBA)	12	14	16	74	85	47-123	13.1	20
n-Butyl benzene	3.8	4.3	4	94	108	71-128	13.7	20
sec-Butyl benzene	3.7	4.2	4	92	105	75-123	12.6	20
tert-Butyl benzene	3.7	4.2	4	92	106	70-121	13.9	20
Carbon Disulfide	2.7	3.1	4	67, F2	78	75-121	14.9	20
Carbon Tetrachloride	3.5	4.0	4	87	100	73-117	13.6	20
Chlorobenzene	3.7	4.1	4	92	104	73-119	12.2	20
Chloroethane	3.0	3.2	4	75	81	60-144	7.77	20
Chloroform	3.4	3.9	4	85	97	72-120	12.8	20
Chloromethane	2.9	3.3	4	72	83	28-145	14.7	20
2-Chlorotoluene	3.7	4.2	4	92	104	76-121	12.8	20
4-Chlorotoluene	3.6	4.1	4	91	103	72-119	12.7	20
Dibromochloromethane	3.1	3.5	4	77	89	66-122	13.7	20
1,2-Dibromo-3-chloropropane	1.5	1.7	2	77	86	50-123	11.9	20
1,2-Dibromoethane (EDB)	1.7	1.9	2	85	96	68-117	12.4	20
Dibromomethane	3.5	4.0	4	88	99	67-121	12.1	20
1,2-Dichlorobenzene	3.6	3.9	4	89	98	70-121	9.93	20
1,3-Dichlorobenzene	3.6	4.1	4	90	102	69-125	12.4	20
1,4-Dichlorobenzene	3.6	4.1	4	91	102	67-123	11.2	20
Dichlorodifluoromethane	2.9	3.3	4	73	82	19-147	11.7	20
1,1-Dichloroethane	3.3	3.7	4	82	93	72-121	12.6	20
1,2-Dichloroethane (1,2-DCA)	3.2	3.6	4	80	90	64-120	11.8	20
1,1-Dichloroethene	3.4	3.8	4	84	95	76-123	12.5	20
cis-1,2-Dichloroethene	3.3	3.8	4	83	95	71-124	12.8	20
trans-1,2-Dichloroethene	3.4	3.9	4	85	97	74-124	13.6	20
1,2-Dichloropropane	3.5	4.0	4	89	101	70-120	12.8	20
1,3-Dichloropropane	3.7	4.2	4	93	105	66-119	12.6	20
2,2-Dichloropropane	3.6	4.0	4	90	101	67-126	11.4	20
1,1-Dichloropropene	3.6	4.1	4	90	101	73-120	12.2	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.5	4.0	4	87	99	69-121	12.9	20
trans-1,3-Dichloropropene	3.4	3.9	4	85	96	70-121	12.2	20
Diisopropyl ether (DIPE)	3.2	3.6	4	80	89	68-123	11.4	20
Ethylbenzene	3.6	4.1	4	91	104	75-116	12.7	20
Ethyl tert-butyl ether (ETBE)	3.2	3.6	4	81	90	67-120	11.2	20
Freon 113	3.5	4.0	4	86	99	75-117	13.8	20
Hexachlorobutadiene	3.7	4.2	4	93	105	66-127	13.0	20
Hexachloroethane	3.1	3.5	4	77	89	69-127	14.5	20
2-Hexanone	3.1	3.4	4	79	86	50-116	8.87	20
Isopropylbenzene	3.7	4.2	4	93	105	70-127	12.7	20
4-Isopropyl toluene	3.7	4.2	4	92	105	71-124	13.1	20
Methyl-t-butyl ether (MTBE)	3.2	3.6	4	80	90	64-121	12.1	20
Methylene chloride	4.2	4.8	4	106	120, F2	66-115	12.6	20
4-Methyl-2-pentanone (MIBK)	3.3	3.6	4	82	90	50-119	9.38	20
Naphthalene	3.4	3.8	4	84	95	63-121	12.2	20
n-Propyl benzene	3.7	4.3	4	93	107	74-122	14.1	20
Styrene	3.6	4.1	4	89	102	69-118	13.3	20
1,1,1,2-Tetrachloroethane	3.4	3.9	4	85	98	71-120	14.5	20
1,1,2,2-Tetrachloroethane	3.5	3.9	4	87	96	58-123	10.4	20
Tetrachloroethene	3.8	4.3	4	95	109	72-118	13.5	20
Toluene	3.6	4.1	4	90	102	73-111	12.8	20
1,2,3-Trichlorobenzene	3.5	4.0	4	88	101	63-125	13.4	20
1,2,4-Trichlorobenzene	3.7	4.2	4	92	104	66-128	11.6	20
1,1,1-Trichloroethane	3.5	3.9	4	88	99	72-118	11.8	20
1,1,2-Trichloroethane	3.6	4.0	4	89	100	66-118	12.0	20
Trichloroethene	3.8	4.3	4	95	108	71-121	13.2	20
Trichlorofluoromethane	3.4	3.9	4	85	97	59-125	13.3	20
1,2,3-Trichloropropane	1.7	1.9	2	87	97	62-120	10.8	20
1,2,4-Trimethylbenzene	3.6	4.1	4	90	102	73-120	12.9	20
1,3,5-Trimethylbenzene	3.7	4.1	4	91	103	67-123	12.0	20
Vinyl Chloride	1.4	1.6	2	69	79	60-138	13.1	20
m,p-Xylene	7.2	8.2	8	90	103	74-118	13.9	20
o-Xylene	3.5	4.0	4	88	99	73-119	12.3	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180225
Date Analyzed:	6/24/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180225

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	22	22	25	90	90	82-142	0	20
Toluene-d8	25	25	25	101	101	85-137	0	20
4-BFB	2.4	2.4	2.5	97	98	66-144	0.893	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.012	0.050	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
1-Methylnaphthalene	ND	0.0052	0.010	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dichlorophenol	ND	0.48	1.0	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	ND	0.0086	0.020	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Acetochlor	ND	0.49	2.0	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzoic Acid	ND	2.7	5.0	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Diethyl Phthalate	ND	0.015	0.020	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-
Di-n-butyl Phthalate	ND	0.0068	0.020	-	-	-
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	ND	0.0055	0.020	-	-	-
Phenol	ND	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	5.0			5	101	36-131
Phenol-d5	5.4			5	107	43-149
Nitrobenzene-d5	4.9			5	98	39-150
2-Fluorobiphenyl	4.4			5	88	43-133
2,4,6-Tribromophenol	5.7			5	114	42-147
4-Terphenyl-d14	4.6			5	92	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,1-Biphenyl	0.44	0.47	0.50	88	93	54-111	5.28	25
1,2,4-Trichlorobenzene	7.6	9.2	10	76	92	54-112	18.9	25
1,2-Dichlorobenzene	7.3	8.9	10	73	89	43-125	19.7	25
1,2-Diphenylhydrazine	9.7	9.5	10	97	95	53-110	2.44	25
1,3-Dichlorobenzene	6.4	8.7	10	64	87	55-108	29.7,F2	25
1,4-Dichlorobenzene	5.9	7.4	10	59	74	52-108	23.2	25
1-Methylnaphthalene	0.47	0.51	0.50	95	101	55-123	6.95	25
2,4,5-Trichlorophenol	0.52	0.52	0.50	104	105	52-119	1.08	25
2,4,6-Trichlorophenol	0.48	0.49	0.50	96	98	53-115	2.24	25
2,4-Dichlorophenol	10	10	10	100	103	56-121	3.49	25
2,4-Dimethylphenol	10	11	10	103	112	47-112	8.40	25
2,4-Dinitrophenol	2.4	2.6	2.5	95	103	29-114	8.03	25
2,4-Dinitrotoluene	0.54	0.56	0.50	109	113	59-128	3.24	25
2,6-Dichlorophenol	9.0	9.4	10	90	94	57-117	4.49	25
2,6-Dinitrotoluene	0.51	0.53	0.50	103	107	56-118	3.72	25
2-Chloronaphthalene	9.2	9.6	10	92	96	54-109	4.38	25
2-Chlorophenol	0.39	0.43	0.50	77	87	51-117	11.3	25
2-Methylnaphthalene	0.47	0.51	0.50	94	102	51-132	7.80	25
2-Methylphenol (o-Cresol)	9.9	9.9	10	99	99	47-127	0	25
2-Nitroaniline	51	51	50	102	102	56-126	0	25
2-Nitrophenol	44	48	50	87	95	60-119	9.00	25
3 & 4-Methylphenol (m,p-Cresol)	9.3	9.5	10	93	95	51-126	2.14	25
3,3-Dichlorobenzidine	0.54	0.54	0.50	108	108	52-118	0	25
3-Nitroaniline	49	49	50	97	98	57-124	0.291	25
4,6-Dinitro-2-methylphenol	47	47	50	94	94	33-117	0	25
4-Bromophenyl Phenyl Ether	9.3	9.2	10	93	92	53-108	1.20	25
4-Chloro-3-methylphenol	10	11	10	103	107	60-126	3.39	25
4-Chloroaniline	0.49	0.51	0.50	99	101	57-121	2.54	25
4-Chlorophenyl Phenyl Ether	8.4	8.3	10	84	83	59-108	2.02	25
4-Nitroaniline	51	50	50	101	100	58-130	1.37	25
4-Nitrophenol	49	49	50	98	98	34-143	0	25
Acenaphthene	0.47	0.48	0.50	94	97	55-112	2.79	25
Acenaphthylene	0.49	0.50	0.50	97	100	53-109	2.88	25
Acetochlor	9.3	9.1	10	93	91	52-119	2.64	25
Anthracene	0.50	0.50	0.50	100	99	57-112	0.509	25
Benzidine	36	36	50	71	72	33-87	1.55	25
Benzo (a) anthracene	0.47	0.47	0.50	94	93	54-103	0.347	25
Benzo (a) pyrene	0.50	0.51	0.50	101	101	50-116	0	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (b) fluoranthene	0.26	0.26	0.50	52	53	49-111	2.67	25
Benzo (g,h,i) perylene	0.45	0.43	0.50	89	86	48-106	3.36	25
Benzo (k) fluoranthene	0.48	0.50	0.50	97	99	52-111	2.67	25
Benzoic Acid	54	57	50	108	113	48-139	4.89	25
Benzyl Alcohol	49	50	50	98	99	38-130	1.21	25
Bis (2-chloroethoxy) Methane	9.3	9.7	10	93	97	52-120	4.90	25
Bis (2-chloroethyl) Ether	0.38	0.45	0.50	76	90	37-142	16.7	25
Bis (2-chloroisopropyl) Ether	0.44	0.47	0.50	89	95	40-140	6.13	25
Bis (2-ethylhexyl) Adipate	9.4	9.4	10	94	94	49-109	0	25
Bis (2-ethylhexyl) Phthalate	0.54	0.52	0.50	108	105	39-136	2.81	25
Butylbenzyl Phthalate	0.49	0.49	0.50	98	98	48-124	0	25
Chrysene	0.47	0.46	0.50	94	91	53-104	3.14	25
Dibenzo (a,h) anthracene	0.47	0.47	0.50	94	95	51-112	0.633	25
Dibenzofuran	9.3	9.6	10	93	96	57-108	3.43	25
Diethyl Phthalate	0.48	0.48	0.50	96	97	56-122	1.19	25
Dimethyl Phthalate	0.48	0.49	0.50	97	97	49-121	0	25
Di-n-butyl Phthalate	0.49	0.48	0.50	98	97	52-121	1.12	25
Di-n-octyl Phthalate	0.54	0.58	0.50	107	117	36-152	8.54	25
Fluoranthene	0.51	0.50	0.50	101	100	56-117	1.16	25
Fluorene	0.49	0.50	0.50	98	100	58-119	1.48	25
Hexachlorobenzene	0.45	0.44	0.50	90	88	51-107	2.37	25
Hexachlorobutadiene	0.38	0.46	0.50	76	93	54-109	20.4	25
Hexachlorocyclopentadiene	39	44	50	79	87	26-107	10.2	25
Hexachloroethane	0.34	0.43	0.50	67	86	52-109	24.5	25
Indeno (1,2,3-cd) pyrene	0.47	0.46	0.50	94	92	50-107	1.54	25
Isophorone	9.6	9.8	10	96	98	58-120	2.09	25
Naphthalene	0.36	0.39	0.50	71	77	49-116	7.56	25
Nitrobenzene	8.5	9.4	10	85	94	52-119	9.60	25
N-Nitrosodi-n-propylamine	9.3	9.7	10	93	97	55-122	3.75	25
N-Nitrosodiphenylamine	8.8	8.7	10	88	87	56-106	1.81	25
Pentachlorophenol	2.6	2.5	2.5	105	101	45-119	3.90	25
Phenanthrene	0.48	0.48	0.50	97	95	56-108	1.13	25
Phenol	1.7	1.8	2	87	89	50-118	1.95	25
Pyrene	0.47	0.47	0.50	95	95	49-104	0	25
Pyridine	4.7	5.6	10	47	56	36-96	17.5	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180201
Date Analyzed:	6/24/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180201

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	3.4	4.3	5	68	87	36-131	24.0	25
Phenol-d5	4.5	5.2	5	90	103	43-149	13.5	25
Nitrobenzene-d5	4.4	5.2	5	88	103	39-150	16.6	25
2-Fluorobiphenyl	4.4	4.9	5	88	97	43-133	9.66	25
2,4,6-Tribromophenol	5.0	5.1	5	99	102	42-147	3.06	25
4-Terphenyl-d14	4.8	4.8	5	95	96	44-124	1.21	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180216
Date Analyzed:	6/24/19 - 6/25/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180216 1906B26-001JMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	1.0	2.5	-	-	-
Arsenic	ND	0.79	2.5	-	-	-
Barium	ND	1.9	25	-	-	-
Beryllium	ND	0.35	2.5	-	-	-
Cadmium	ND	0.36	2.5	-	-	-
Chromium	ND	1.0	2.5	-	-	-
Cobalt	ND	0.22	2.5	-	-	-
Copper	ND	2.3	2.5	-	-	-
Lead	ND	1.0	2.5	-	-	-
Mercury	ND	0.10	0.25	-	-	-
Molybdenum	ND	0.75	2.5	-	-	-
Nickel	ND	0.84	2.5	-	-	-
Selenium	ND	1.1	2.5	-	-	-
Silver	ND	0.26	2.5	-	-	-
Thallium	ND	0.21	2.5	-	-	-
Vanadium	ND	1.1	2.5	-	-	-
Zinc	ND	19	25	-	-	-
Surrogate Recovery						
Terbium	2400			2500	95	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180216
Date Analyzed:	6/24/19 - 6/25/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180216 1906B26-001JMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	260	270	250	104	107	85-115	2.46	20
Arsenic	250	250	250	98	101	85-115	2.21	20
Barium	2700	2800	2500	108	110	85-115	2.60	20
Beryllium	260	270	250	103	106	85-115	2.94	20
Cadmium	250	250	250	98	99	85-115	1.03	20
Chromium	250	260	250	102	103	85-115	0.939	20
Cobalt	270	270	250	106	108	85-115	1.90	20
Copper	250	260	250	101	103	85-115	1.41	20
Lead	250	260	250	101	103	85-115	1.95	20
Mercury	6.1	6.1	6.25	97	97	85-115	0	20
Molybdenum	250	260	250	102	104	85-115	2.50	20
Nickel	250	260	250	101	102	85-115	1.73	20
Selenium	260	260	250	103	103	85-115	0	20
Silver	270	270	250	107	109	85-115	1.77	20
Thallium	250	260	250	101	104	85-115	2.86	20
Vanadium	250	260	250	101	103	85-115	1.99	20
Zinc	2500	2500	2500	100	102	85-115	1.63	20
Surrogate Recovery								
Terbium	2500	2600	2500	99	102	70-130	3.24	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	2200	2200	2500	ND	88	87	85-115	0.962	20
Arsenic	1	2500	2600	2500	91	98	100	85-115	1.41	20
Barium	1	30,000	30,000	25000	2400	112	110	85-115	2.03	20
Beryllium	1	2500	2500	2500	ND	102	100	85-115	1.76	20
Cadmium	1	2500	2500	2500	ND	100	101	85-115	0.994	20
Chromium	1	3400	3400	2500	840	103	102	85-115	0.279	20
Cobalt	1	2800	2700	2500	170	104	102	85-115	1.44	20
Copper	1	3200	3300	2500	710	101	104	85-115	2.09	20
Lead	1	3000	3000	2500	430	104	102	85-115	1.74	20
Mercury	1	67	71	62.5	14	85	92	85-115	6.07	20
Molybdenum	1	2600	2600	2500	110	101	99	85-115	1.77	20
Nickel	1	3600	3600	2500	1000	102	105	85-115	1.68	20
Selenium	1	2600	2600	2500	ND	102	103	85-115	0.565	20
Silver	1	2700	2600	2500	ND	107	105	85-115	2.32	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180216
Date Analyzed:	6/24/19 - 6/25/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180216 1906B26-001JMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	1	2600	2500	2500	ND	103	102	85-115	1.12	20
Vanadium	1	3300	3300	2500	710	103	104	85-115	0.590	20
Zinc	1	27,000	27,000	25000	1800	100	101	85-115	0.951	20
Surrogate Recovery										
Terbium	1	25,000	25,000	25000		102	100	70-130	1.51	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/27/19	**BatchID:**	180463
Date Analyzed:	6/27/19	**Extraction Method:**	Kelada-01
Instrument:	WC_SKALAR	**Analytical Method:**	Kelada-01
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180463

QC Summary Report for Kelada-01

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.84	1.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	40	40	40	100	100	80-120	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/21/19	**BatchID:**	180144
Date Analyzed:	6/21/19	**Extraction Method:**	SW1010
Instrument:	WetChem	**Analytical Method:**	SW1010
Matrix:	Liquid	**Unit:**	°C
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	CCV-180144

QC Summary Report for Flash Point

Analyte	CCV REC (%)	CCV Limits
Flash Point	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/25/19	**BatchID:**	180177
Date Analyzed:	6/25/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180177

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.8			10	88	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	63	63	60	104	104	78-116	0	20
MTBE	9.1	9.2	10	91	92	72-122	1.31	20
Benzene	9.5	9.4	10	95	94	81-123	1.32	20
Toluene	9.9	9.7	10	99	97	83-129	1.23	20
Ethylbenzene	9.8	9.7	10	98	97	88-126	0.921	20
m,p-Xylene	20	19	20	98	97	80-120	1.04	20
o-Xylene	9.5	9.4	10	95	94	80-120	1.11	20
Surrogate Recovery								
aaa-TFT	8.8	8.8	10	88	88	74-117	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/26/19	**BatchID:**	180420
Date Analyzed:	6/26/19	**Extraction Method:**	E420.4
Instrument:	WC_SKALAR	**Analytical Method:**	E420.4
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180420

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	2.0	2.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	40	41	40	101	102	80-120	0.877	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180234
Date Analyzed:	6/24/19	**Extraction Method:**	SM2510B
Instrument:	WetChem	**Analytical Method:**	SM2510Bm-1997
Matrix:	Water	**Unit:**	g/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	CCV-180234

QC Summary Report for SM2510B (Salinity)

Analyte	CCV REC (%)	CCV Limits
Salinity	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180223
Date Analyzed:	6/24/19	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	CCV-180223

QC Summary Report for Specific Conductivity

Analyte	CCV REC (%)	CCV Limits
Specific Conductivity	101	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/21/19	**BatchID:**	180157
Date Analyzed:	6/24/19	**Extraction Method:**	SW3510C
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180157

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	590			625	94	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1200	1200	1000	123	122	86-142	1.03	20
Surrogate Recovery								
C9	580	580	625	93	93	68-127	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906B26
Date Prepared:	6/24/19	**BatchID:**	180214
Date Analyzed:	6/24/19	**Extraction Method:**	SM2540 D-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 D-1997
Matrix:	Water	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB-180214

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL			
Total Suspended Solids	ND	1.00	1.00	-	-	-

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906B26 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com; gstafford@langan.c
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;
Date Received: 06/21/2019
Date Logged: 06/21/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906B26-001	Area E Water	Water	6/21/2019 11:05	☐	I	F	G	J	H	C	A	E	B	C	A	D

Test Legend:

1	8082_PCB_W	2	8260B_W	3	8270_SCSM_W	4	CAM17MS_TTLC_Sed
5	CN_W	6	FLASH_W	7	G-MBTEX_W	8	PHENOLICS_W
9	SALINITY_W	10	SC_W	11	TPH(DMO)_W	12	TSS_W

Prepared by: Kena Ponce

The following SampID: 001A contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments:

Work Order: 1906B26
QC Level: LEVEL 2
Date Logged: 6/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906B26-001A	Area E Water	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001B	Area E Water	Water	SM2510B (Salinity)	1	250mL HDPE, unprsv.	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001C	Area E Water	Water	SM2510B (Specific Conductivity)	2	250mL HDPE, unprsv.	☐	6/21/2019 11:05	5 days	2%+	☐	
			SW1010 (Flash Point)			☐		5 days	2%+	☐	
1906B26-001D	Area E Water	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001E	Area E Water	Water	E420.4 (Phenolics)	1	500mL aG w/ H2SO4	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001F	Area E Water	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001G	Area E Water	Water	SW8270C (SVOCs)	2	1LA, Unpres	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001H	Area E Water	Water	Kelada-01 (Cyanide, Total)	2	250mL aHDPE w/ NaOH	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001I	Area E Water	Water	SW8082 (PCBs Only)	2	aVOA, Unpres	☐	6/21/2019 11:05	5 days	2%+	☐	
1906B26-001J	Area E Water	Water	E200.8 (Metals)	1	250mL HDPE w/ HNO3	☐	6/21/2019 11:05	5 days	2%+	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

13394

LANGAN

CHAIN OF CUSTODY RECORD

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

1906B24

Site Name: 1548 Maple Street Development
Job Number: 73168540S
Project Manager\Contact: Dystane Sutherland, Grace Stafford, Rob Miland
Samplers: Rob Miland
Recorder (Signature Required):

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Matrix: Water	Matrix: Air	Matrix: Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH gas/dies	Fleshpoint	Salinity	Spec. Cond. chlor.	TSS	Phenolics	VOCs	SVOCs	Cyanide	PCBs	CAM 17	Silica gel clean-up	Hold	Remarks
Area E Water	6-21-19	1105			X						X	X	X	X	X	X	X	X	X	X	X			

Relinquished by: (Signature)	Date: 6-21-19	Time 1243	Received by: (Signature)	Date 6/21/19 Time 1243
Relinquished by: (Signature)	Date: 6/21/19	Time 1630	Received by: (Signature)	Date 6/4/19 Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 5.4 C

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/21/2019 16:30**
Project:	**731685405; 1548 Maple Street Development**	Date Logged:	**6/21/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1906B26** Matrix: Water	Logged by:	Kena Ponce
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 5.4°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☑	NA	☐
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments: pH adjusted in Lab.

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Analytical Report

WorkOrder: 1906D78

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 06/27/2019

Analytical Report reviewed & approved for release on 06/28/2019 by:

Susan Thompson
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906D78

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906D78

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1906D78
Date Received:	6/27/19 14:20	**Extraction Method:**	SW5035
Date Prepared:	6/27/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-4-5.0	**1906D78-001A**	**Soil**	**06/26/2019 12:45**	**GC7 06281905.D**	**180462**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/28/2019 13:02
MTBE	---	0.050	1	06/28/2019 13:02
Benzene	---	0.0050	1	06/28/2019 13:02
Toluene	---	0.0050	1	06/28/2019 13:02
Ethylbenzene	---	0.0050	1	06/28/2019 13:02
m,p-Xylene	---	0.010	1	06/28/2019 13:02
o-Xylene	---	0.0050	1	06/28/2019 13:02
Xylenes	---	0.0050	1	06/28/2019 13:02

Surrogates	REC (%)	Limits	
aaa-TFT	102	72-123	06/28/2019 13:02

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-6-5.0	**1906D78-002A**	**Soil**	**06/26/2019 12:55**	**GC7 06281906.D**	**180462**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.1**	B	1.0	1	06/28/2019 13:33
MTBE	---		0.050	1	06/28/2019 13:33
Benzene	---		0.0050	1	06/28/2019 13:33
Toluene	---		0.0050	1	06/28/2019 13:33
Ethylbenzene	---		0.0050	1	06/28/2019 13:33
m,p-Xylene	---		0.010	1	06/28/2019 13:33
o-Xylene	---		0.0050	1	06/28/2019 13:33
Xylenes	---		0.0050	1	06/28/2019 13:33

Surrogates	REC (%)	Limits	
2-Fluorotoluene	65	62-126	06/28/2019 13:33

Analyst(s): IA Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906D78
Date Received:	6/27/19 14:20	**Extraction Method:**	SW5035
Date Prepared:	6/27/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-7-5.0	**1906D78-003A**	**Soil**	**06/26/2019 13:10**	**GC19 06271949.D**	**180462**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**6.9**	1.0	1	06/28/2019 14:02
MTBE	---	0.050	1	06/28/2019 14:02
Benzene	---	0.0050	1	06/28/2019 14:02
Toluene	---	0.0050	1	06/28/2019 14:02
Ethylbenzene	---	0.0050	1	06/28/2019 14:02
m,p-Xylene	---	0.010	1	06/28/2019 14:02
o-Xylene	---	0.0050	1	06/28/2019 14:02
Xylenes	---	0.0050	1	06/28/2019 14:02

Surrogates	REC (%)	Limits	
2-Fluorotoluene	75	62-126	06/28/2019 14:02

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-B-1-6.5	**1906D78-004A**	**Soil**	**06/26/2019 14:10**	**GC19 06271950.D**	**180462**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/28/2019 14:33
MTBE	---	0.050	1	06/28/2019 14:33
Benzene	---	0.0050	1	06/28/2019 14:33
Toluene	---	0.0050	1	06/28/2019 14:33
Ethylbenzene	---	0.0050	1	06/28/2019 14:33
m,p-Xylene	---	0.010	1	06/28/2019 14:33
o-Xylene	---	0.0050	1	06/28/2019 14:33
Xylenes	---	0.0050	1	06/28/2019 14:33

Surrogates	REC (%)	Limits	
aaa-TFT	98	72-123	06/28/2019 14:33

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1906D78
Date Received:	6/27/19 14:20	**Extraction Method:**	SW3050B
Date Prepared:	6/27/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-F-B-2-3.0	**1906D78-005A**	**Soil**	**06/26/2019 10:55**	**ICP-MS3 259SMPL.D**	**180447**

Analytes	Result	RL	DF	Date Analyzed
Lead	**30**	0.50	1	06/28/2019 12:11

Surrogates	REC (%)	Limits	
Terbium	107	70-130	06/28/2019 12:11

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1906D78
Date Received:	6/27/19 14:20	**Extraction Method:**	SW3550B
Date Prepared:	6/27/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-4-5.0	**1906D78-001A**	**Soil**	**06/26/2019 12:45**	**GC6B 06271963.D**	**180458**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**310**	50	50	06/28/2019 05:34

Surrogates	REC (%)	Limits	
C9	94	74-123	06/28/2019 05:34

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-6-5.0	**1906D78-002A**	**Soil**	**06/26/2019 12:55**	**GC9b 06271979.D**	**180458**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**30**	1.0	1	06/28/2019 10:52

Surrogates	REC (%)	Limits	
C9	98	74-123	06/28/2019 10:52

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-7-5.0	**1906D78-003A**	**Soil**	**06/26/2019 13:10**	**GC6A 06271960.D**	**180458**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**67**	20	20	06/28/2019 04:16

Surrogates	REC (%)	Limits	
C9	101	74-123	06/28/2019 04:16

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-B-1-6.5	**1906D78-004A**	**Soil**	**06/26/2019 14:10**	**GC9b 06271983.D**	**180458**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2.5**	1.0	1	06/28/2019 12:10

Surrogates	REC (%)	Limits	
C9	97	74-123	06/28/2019 12:10

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906D78
Date Prepared:	6/27/19	**BatchID:**	180462
Date Analyzed:	6/27/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180462

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.36,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.088			0.10	88	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.57	0.62	0.60	95	104	82-118	8.96	20
MTBE	0.083	0.093	0.10	83	93	61-119	10.9	20
Benzene	0.095	0.10	0.10	95	105	77-128	10.1	20
Toluene	0.099	0.11	0.10	99	109	74-132	9.72	20
Ethylbenzene	0.097	0.11	0.10	97	108	84-127	10.7	20
m,p-Xylene	0.20	0.22	0.20	101	112	80-120	10.7	20
o-Xylene	0.10	0.11	0.10	100	112	80-120	10.9	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.094	0.10	93	94	75-134	1.35	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906D78
Date Prepared:	6/27/19	**BatchID:**	180447
Date Analyzed:	6/27/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180447

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	490			500	99	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	51	53	50	102	105	75-125	3.22	20
Surrogate Recovery								
Terbium	490	500	500	99	100	70-130	1.57	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906D78
Date Prepared:	6/27/19	**BatchID:**	180458
Date Analyzed:	6/28/19	**Extraction Method:**	SW3550B
Instrument:	GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180458

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	93	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	46	46	40	114	116	75-128	1.76	30
Surrogate Recovery								
C9	23	23	25	94	93	72-122	0.0740	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906D78 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **06/27/2019**
Date Logged: **06/27/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906D78-001	Area-E-S-4-5.0	Soil	6/26/2019 12:45	☐	A		A									
1906D78-002	Area-E-S-6-5.0	Soil	6/26/2019 12:55	☐	A		A									
1906D78-003	Area-E-S-7-5.0	Soil	6/26/2019 13:10	☐	A		A									
1906D78-004	Area-E-B-1-6.5	Soil	6/26/2019 14:10	☐	A		A									
1906D78-005	Area-F-B-2-3.0	Soil	6/26/2019 10:55	☐		A										

Test Legend:

1	G-MBTEX_S	2	PBMS_TTLC_S	3	TPH(DMO)_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments:

Work Order: 1906D78
QC Level: LEVEL 2
Date Logged: 6/27/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906D78-001A	Area-E-S-4-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/26/2019 12:45	1 day		☐	
1906D78-002A	Area-E-S-6-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/26/2019 12:55	1 day		☐	
1906D78-003A	Area-E-S-7-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/26/2019 13:10	1 day		☐	
1906D78-004A	Area-E-B-1-6.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/26/2019 14:10	1 day		☐	
1906D78-005A	Area-F-B-2-3.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x3"	☐	6/26/2019 10:55	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

12844

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

1906078

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

Site Name: 1548 Maple Street Development
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland, Rob Milano
Samplers: Rob Milano
Recorder (Signature Required):

Turnaround Time: 24 hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg/BTEX & Total Lead												Silica gel clean-up	Hold	Remarks
Area-E-S-4-5.0	6-26-19	1245		X							X		X													
Area-E-S-6-5.0		1255		X							X		X													
Area-E-S-7-5.0		1310		X							X		X													
Area-E-B-1-6.5		1410		X							X		X													
Area-F-B-2-3.0		1055		X							X			X												
Area-F-B-2-4.0	↓	1110		X							X														X	

Relinquished by: (Signature)	Date: 6-27-19	Time 1050	Received by: (Signature) LAP	Date 6/27/19	Time 1050
Relinquished by: (Signature) LAP	Date: 6/27/19	Time 1430	Received by: (Signature) Nancy Palacios	Date 6-27-19	Time 1430
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

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

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/27/2019 14:20**
Project:	**731685405; 1548 Maple Street Development**	Date Logged:	**6/27/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1906D78** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
	(Ice Type: WET ICE)					
Sample/Temp Blank temperature		Temp: 2.2°C			NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1906F19

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street Development

Project Received: 06/28/2019

Analytical Report reviewed & approved for release on 07/01/2019 by:

Susan Thompson
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906F19

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street Development
WorkOrder: 1906F19

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1906F19
Date Received:	6/28/19 17:20	**Extraction Method:**	SW5035
Date Prepared:	6/28/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-8-5.0	**1906F19-001A**	**Soil**	**06/28/2019 09:50**	**GC19 06281926.D**	**180518**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.6**	1.0	1	06/29/2019 04:24
MTBE	---	0.050	1	06/29/2019 04:24
Benzene	---	0.0050	1	06/29/2019 04:24
Toluene	---	0.0050	1	06/29/2019 04:24
Ethylbenzene	---	0.0050	1	06/29/2019 04:24
m,p-Xylene	---	0.010	1	06/29/2019 04:24
o-Xylene	---	0.0050	1	06/29/2019 04:24
Xylenes	---	0.0050	1	06/29/2019 04:24

Surrogates	REC (%)	Limits	
2-Fluorotoluene	76	62-126	06/29/2019 04:24

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-9-5.0	**1906F19-002A**	**Soil**	**06/28/2019 10:05**	**GC19 06281929.D**	**180518**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/29/2019 05:55
MTBE	---	0.050	1	06/29/2019 05:55
Benzene	---	0.0050	1	06/29/2019 05:55
Toluene	---	0.0050	1	06/29/2019 05:55
Ethylbenzene	---	0.0050	1	06/29/2019 05:55
m,p-Xylene	---	0.010	1	06/29/2019 05:55
o-Xylene	---	0.0050	1	06/29/2019 05:55
Xylenes	---	0.0050	1	06/29/2019 05:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	74	62-126	06/29/2019 05:55

Analyst(s): IA

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906F19
Date Received:	6/28/19 17:20	**Extraction Method:**	SW5035
Date Prepared:	6/28/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-10-5.0	**1906F19-003A**	**Soil**	**06/28/2019 10:10**	**GC19 06281927.D**	**180518**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.4**	B	1.0	1	06/29/2019 04:54
MTBE	---		0.050	1	06/29/2019 04:54
Benzene	---		0.0050	1	06/29/2019 04:54
Toluene	---		0.0050	1	06/29/2019 04:54
Ethylbenzene	---		0.0050	1	06/29/2019 04:54
m,p-Xylene	---		0.010	1	06/29/2019 04:54
o-Xylene	---		0.0050	1	06/29/2019 04:54
Xylenes	---		0.0050	1	06/29/2019 04:54

Surrogates	REC (%)	Limits	
2-Fluorotoluene	79	62-126	06/29/2019 04:54

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-11-5.0	**1906F19-004A**	**Soil**	**06/28/2019 10:30**	**GC19 06281924.D**	**180592**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/29/2019 03:24
MTBE	---	0.050	1	06/29/2019 03:24
Benzene	---	0.0050	1	06/29/2019 03:24
Toluene	---	0.0050	1	06/29/2019 03:24
Ethylbenzene	---	0.0050	1	06/29/2019 03:24
m,p-Xylene	---	0.010	1	06/29/2019 03:24
o-Xylene	---	0.0050	1	06/29/2019 03:24
Xylenes	---	0.0050	1	06/29/2019 03:24

Surrogates	REC (%)	Limits	
2-Fluorotoluene	74	62-126	06/29/2019 03:24

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1906F19
Date Received:	6/28/19 17:20	**Extraction Method:**	SW3550B
Date Prepared:	6/28/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street Development	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-8-5.0	1906F19-001A	Soil	06/28/2019 09:50	GC6A 07011910.D	180591

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**52**	5.0	5	07/01/2019 11:45

Surrogates	REC (%)	Limits	
C9	95	74-123	07/01/2019 11:45

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-9-5.0	1906F19-002A	Soil	06/28/2019 10:05	GC6B 07011913.D	180591

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**47**	20	20	07/01/2019 13:03

Surrogates	REC (%)	Limits	
C9	98	74-123	07/01/2019 13:03

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-10-5.0	1906F19-003A	Soil	06/28/2019 10:10	GC6A 07011914.D	180591

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7.1**	5.0	5	07/01/2019 13:03

Surrogates	REC (%)	Limits	
C9	92	74-123	07/01/2019 13:03

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area-E-S-11-5.0	1906F19-004A	Soil	06/28/2019 10:30	GC6A 07011918.D	180591

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7.6**	1.0	1	07/01/2019 14:22

Surrogates	REC (%)	Limits	
C9	99	74-123	07/01/2019 14:22

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906F19
Date Prepared:	6/27/19	**BatchID:**	180518
Date Analyzed:	6/28/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180518

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.16,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.087			0.10	87	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.57	0.56	0.60	95	93	82-118	2.18	20
MTBE	0.089	0.088	0.10	89	88	61-119	0.776	20
Benzene	0.092	0.092	0.10	92	92	77-128	0	20
Toluene	0.096	0.095	0.10	96	95	74-132	0.788	20
Ethylbenzene	0.095	0.094	0.10	95	94	84-127	1.48	20
m,p-Xylene	0.20	0.20	0.20	99	98	80-120	1.53	20
o-Xylene	0.098	0.096	0.10	98	96	80-120	2.28	20
Surrogate Recovery								
2-Fluorotoluene	0.091	0.090	0.10	91	90	75-134	1.18	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906F19
Date Prepared:	6/28/19	**BatchID:**	180592
Date Analyzed:	6/30/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180592

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.16,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	0.0017,J	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	0.0035,J	0.0013	0.010	-	-	-
o-Xylene	0.0015,J	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.091			0.10	91	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.58	0.60	0.60	97	99	82-118	2.00	20
MTBE	0.084	0.085	0.10	84	85	61-119	1.87	20
Benzene	0.094	0.096	0.10	94	96	77-128	1.71	20
Toluene	0.099	0.10	0.10	99	100	74-132	1.01	20
Ethylbenzene	0.097	0.099	0.10	97	99	84-127	2.04	20
m,p-Xylene	0.20	0.20	0.20	98	100	80-120	1.35	20
o-Xylene	0.094	0.096	0.10	94	96	80-120	2.01	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.093	0.10	93	93	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906F19
Date Prepared:	6/28/19	**BatchID:**	180591
Date Analyzed:	7/1/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street Development	**Sample ID:**	MB/LCS/LCSD-180591

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	92	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	46	46	40	115	115	75-128	0	30
Surrogate Recovery								
C9	22	22	25	90	90	72-122	0	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906F19 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street Development

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **06/28/2019**
Date Logged: **06/28/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906F19-001	Area-E-S-8-5.0	Soil	6/28/2019 09:50	☐	A	A										
1906F19-002	Area-E-S-9-5.0	Soil	6/28/2019 10:05	☐	A	A										
1906F19-003	Area-E-S-10-5.0	Soil	6/28/2019 10:10	☐	A	A										
1906F19-004	Area-E-S-11-5.0	Soil	6/28/2019 10:30	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street Development
Comments

Work Order: 1906F19
QC Level: LEVEL 2
Date Logged: 6/28/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906F19-001A	Area-E-S-8-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/28/2019 9:50	1 day		☐	
1906F19-002A	Area-E-S-9-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/28/2019 10:05	1 day		☐	
1906F19-003A	Area-E-S-10-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/28/2019 10:10	1 day		☐	
1906F19-004A	Area-E-S-11-5.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x3"	☐	6/28/2019 10:30	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH

1906F19

13362

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Site Name: 1548 Maple Street Development
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland, Rob Milano
Samplers: Rob Milano
Recorder (Signature Required):

Turnaround Time: 24 Hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH-g, BTEX												Silica gel clean-up	Hold	Remarks
Area- E-S-8-5.0	6-28-19	0950		X							X		X													
Area- E-S-9-5.0		1005		X							X		X													
Area- E-S-10-5.0		1010		X							X		X													
Area- E-S-11-5.0		1030		X							X		X													

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	6-28-19	1153		6/28/19	1153
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	6/28/19	1720		6/28/19	1720
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name: **Langan**
Project: **731685405; 1548 Maple Street Development**

WorkOrder №: **1906F19** Matrix: Soil
Carrier: Benjamin Yslas (MAI Courier)

Date and Time Received: **6/28/2019 17:20**
Date Logged: **6/28/2019**
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3.7°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1907D05

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/26/2019

Analytical Report reviewed & approved for release on 07/30/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907D05

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907D05

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
d1	Weakly modified or unmodified gasoline is significant
d6	One to a few isolated non-target peaks present in the TPH(g) chromatogram
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.
F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC18 07261945.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/27/2019 13:07
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/27/2019 13:07
Benzene	ND	0.0050	1	07/27/2019 13:07
Bromobenzene	ND	0.0050	1	07/27/2019 13:07
Bromochloromethane	ND	0.0050	1	07/27/2019 13:07
Bromodichloromethane	ND	0.0050	1	07/27/2019 13:07
Bromoform	ND	0.0050	1	07/27/2019 13:07
Bromomethane	ND	0.0050	1	07/27/2019 13:07
2-Butanone (MEK)	ND	0.050	1	07/27/2019 13:07
t-Butyl alcohol (TBA)	ND	0.050	1	07/27/2019 13:07
n-Butyl benzene	ND	0.0050	1	07/27/2019 13:07
sec-Butyl benzene	**0.0051**	0.0050	1	07/27/2019 13:07
tert-Butyl benzene	ND	0.0050	1	07/27/2019 13:07
Carbon Disulfide	ND	0.0050	1	07/27/2019 13:07
Carbon Tetrachloride	ND	0.0050	1	07/27/2019 13:07
Chlorobenzene	ND	0.0050	1	07/27/2019 13:07
Chloroethane	ND	0.0050	1	07/27/2019 13:07
Chloroform	ND	0.0050	1	07/27/2019 13:07
Chloromethane	ND	0.0050	1	07/27/2019 13:07
2-Chlorotoluene	ND	0.0050	1	07/27/2019 13:07
4-Chlorotoluene	ND	0.0050	1	07/27/2019 13:07
Dibromochloromethane	ND	0.0050	1	07/27/2019 13:07
1,2-Dibromo-3-chloropropane	ND	0.0050	1	07/27/2019 13:07
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/27/2019 13:07
Dibromomethane	ND	0.0050	1	07/27/2019 13:07
1,2-Dichlorobenzene	ND	0.0050	1	07/27/2019 13:07
1,3-Dichlorobenzene	ND	0.0050	1	07/27/2019 13:07
1,4-Dichlorobenzene	ND	0.0050	1	07/27/2019 13:07
Dichlorodifluoromethane	ND	0.0050	1	07/27/2019 13:07
1,1-Dichloroethane	ND	0.0050	1	07/27/2019 13:07
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/27/2019 13:07
1,1-Dichloroethene	ND	0.0050	1	07/27/2019 13:07
cis-1,2-Dichloroethene	ND	0.0050	1	07/27/2019 13:07
trans-1,2-Dichloroethene	ND	0.0050	1	07/27/2019 13:07
1,2-Dichloropropane	ND	0.0050	1	07/27/2019 13:07
1,3-Dichloropropane	ND	0.0050	1	07/27/2019 13:07
2,2-Dichloropropane	ND	0.0050	1	07/27/2019 13:07

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC18 07261945.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/27/2019 13:07
cis-1,3-Dichloropropene	ND	0.0050	1	07/27/2019 13:07
trans-1,3-Dichloropropene	ND	0.0050	1	07/27/2019 13:07
Diisopropyl ether (DIPE)	ND	0.0050	1	07/27/2019 13:07
Ethylbenzene	ND	0.0050	1	07/27/2019 13:07
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/27/2019 13:07
Freon 113	ND	0.0050	1	07/27/2019 13:07
Hexachlorobutadiene	ND	0.0050	1	07/27/2019 13:07
Hexachloroethane	ND	0.0050	1	07/27/2019 13:07
2-Hexanone	ND	0.0050	1	07/27/2019 13:07
Isopropylbenzene	ND	0.0050	1	07/27/2019 13:07
4-Isopropyl toluene	ND	0.0050	1	07/27/2019 13:07
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/27/2019 13:07
Methylene chloride	ND	0.020	1	07/27/2019 13:07
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/27/2019 13:07
Naphthalene	**0.015**	0.0050	1	07/27/2019 13:07
n-Propyl benzene	ND	0.0050	1	07/27/2019 13:07
Styrene	ND	0.0050	1	07/27/2019 13:07
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/27/2019 13:07
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/27/2019 13:07
Tetrachloroethene	ND	0.0050	1	07/27/2019 13:07
Toluene	ND	0.0050	1	07/27/2019 13:07
1,2,3-Trichlorobenzene	ND	0.0050	1	07/27/2019 13:07
1,2,4-Trichlorobenzene	ND	0.0050	1	07/27/2019 13:07
1,1,1-Trichloroethane	ND	0.0050	1	07/27/2019 13:07
1,1,2-Trichloroethane	ND	0.0050	1	07/27/2019 13:07
Trichloroethene	ND	0.0050	1	07/27/2019 13:07
Trichlorofluoromethane	ND	0.0050	1	07/27/2019 13:07
1,2,3-Trichloropropane	ND	0.0050	1	07/27/2019 13:07
1,2,4-Trimethylbenzene	ND	0.0050	1	07/27/2019 13:07
1,3,5-Trimethylbenzene	ND	0.0050	1	07/27/2019 13:07
Vinyl Chloride	ND	0.0050	1	07/27/2019 13:07
m,p-Xylene	ND	0.0050	1	07/27/2019 13:07
o-Xylene	ND	0.0050	1	07/27/2019 13:07
Xylenes, Total	ND	0.0050	1	07/27/2019 13:07

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC18 07261945.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	99	66-116		07/27/2019 13:07
Toluene-d8	92	86-110		07/27/2019 13:07
4-BFB	88	71-114		07/27/2019 13:07
Benzene-d6	77	62-122		07/27/2019 13:07
Ethylbenzene-d10	86	69-130		07/27/2019 13:07
1,2-DCB-d4	64	55-108		07/27/2019 13:07

Analyst(s): TK

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC18 07281915.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.40	4	07/28/2019 22:18
tert-Amyl methyl ether (TAME)	ND	0.020	4	07/28/2019 22:18
Benzene	ND	0.020	4	07/28/2019 22:18
Bromobenzene	ND	0.020	4	07/28/2019 22:18
Bromochloromethane	ND	0.020	4	07/28/2019 22:18
Bromodichloromethane	ND	0.020	4	07/28/2019 22:18
Bromoform	ND	0.020	4	07/28/2019 22:18
Bromomethane	ND	0.020	4	07/28/2019 22:18
2-Butanone (MEK)	ND	0.20	4	07/28/2019 22:18
t-Butyl alcohol (TBA)	ND	0.20	4	07/28/2019 22:18
n-Butyl benzene	ND	0.020	4	07/28/2019 22:18
sec-Butyl benzene	ND	0.020	4	07/28/2019 22:18
tert-Butyl benzene	ND	0.020	4	07/28/2019 22:18
Carbon Disulfide	ND	0.020	4	07/28/2019 22:18
Carbon Tetrachloride	ND	0.020	4	07/28/2019 22:18
Chlorobenzene	ND	0.020	4	07/28/2019 22:18
Chloroethane	ND	0.020	4	07/28/2019 22:18
Chloroform	ND	0.020	4	07/28/2019 22:18
Chloromethane	ND	0.020	4	07/28/2019 22:18
2-Chlorotoluene	ND	0.020	4	07/28/2019 22:18
4-Chlorotoluene	ND	0.020	4	07/28/2019 22:18
Dibromochloromethane	ND	0.020	4	07/28/2019 22:18
1,2-Dibromo-3-chloropropane	ND	0.020	4	07/28/2019 22:18
1,2-Dibromoethane (EDB)	ND	0.016	4	07/28/2019 22:18
Dibromomethane	ND	0.020	4	07/28/2019 22:18
1,2-Dichlorobenzene	ND	0.020	4	07/28/2019 22:18
1,3-Dichlorobenzene	ND	0.020	4	07/28/2019 22:18
1,4-Dichlorobenzene	ND	0.020	4	07/28/2019 22:18
Dichlorodifluoromethane	ND	0.020	4	07/28/2019 22:18
1,1-Dichloroethane	ND	0.020	4	07/28/2019 22:18
1,2-Dichloroethane (1,2-DCA)	ND	0.016	4	07/28/2019 22:18
1,1-Dichloroethene	ND	0.020	4	07/28/2019 22:18
cis-1,2-Dichloroethene	ND	0.020	4	07/28/2019 22:18
trans-1,2-Dichloroethene	ND	0.020	4	07/28/2019 22:18
1,2-Dichloropropane	ND	0.020	4	07/28/2019 22:18
1,3-Dichloropropane	ND	0.020	4	07/28/2019 22:18
2,2-Dichloropropane	ND	0.020	4	07/28/2019 22:18

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC18 07281915.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.020	4	07/28/2019 22:18
cis-1,3-Dichloropropene	ND	0.020	4	07/28/2019 22:18
trans-1,3-Dichloropropene	ND	0.020	4	07/28/2019 22:18
Diisopropyl ether (DIPE)	ND	0.020	4	07/28/2019 22:18
Ethylbenzene	ND	0.020	4	07/28/2019 22:18
Ethyl tert-butyl ether (ETBE)	ND	0.020	4	07/28/2019 22:18
Freon 113	ND	0.020	4	07/28/2019 22:18
Hexachlorobutadiene	ND	0.020	4	07/28/2019 22:18
Hexachloroethane	ND	0.020	4	07/28/2019 22:18
2-Hexanone	ND	0.020	4	07/28/2019 22:18
Isopropylbenzene	ND	0.020	4	07/28/2019 22:18
4-Isopropyl toluene	ND	0.020	4	07/28/2019 22:18
Methyl-t-butyl ether (MTBE)	ND	0.020	4	07/28/2019 22:18
Methylene chloride	ND	0.080	4	07/28/2019 22:18
4-Methyl-2-pentanone (MIBK)	ND	0.020	4	07/28/2019 22:18
Naphthalene	**0.39**	0.020	4	07/28/2019 22:18
n-Propyl benzene	ND	0.020	4	07/28/2019 22:18
Styrene	ND	0.020	4	07/28/2019 22:18
1,1,1,2-Tetrachloroethane	ND	0.020	4	07/28/2019 22:18
1,1,2,2-Tetrachloroethane	ND	0.020	4	07/28/2019 22:18
Tetrachloroethene	ND	0.020	4	07/28/2019 22:18
Toluene	ND	0.020	4	07/28/2019 22:18
1,2,3-Trichlorobenzene	ND	0.020	4	07/28/2019 22:18
1,2,4-Trichlorobenzene	ND	0.020	4	07/28/2019 22:18
1,1,1-Trichloroethane	ND	0.020	4	07/28/2019 22:18
1,1,2-Trichloroethane	ND	0.020	4	07/28/2019 22:18
Trichloroethene	ND	0.020	4	07/28/2019 22:18
Trichlorofluoromethane	ND	0.020	4	07/28/2019 22:18
1,2,3-Trichloropropane	ND	0.020	4	07/28/2019 22:18
1,2,4-Trimethylbenzene	ND	0.020	4	07/28/2019 22:18
1,3,5-Trimethylbenzene	ND	0.020	4	07/28/2019 22:18
Vinyl Chloride	ND	0.020	4	07/28/2019 22:18
m,p-Xylene	ND	0.020	4	07/28/2019 22:18
o-Xylene	ND	0.020	4	07/28/2019 22:18
Xylenes, Total	ND	0.020	4	07/28/2019 22:18

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5030B
Date Prepared:	7/26/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC18 07281915.D**	**182455**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	66-116		07/28/2019 22:18
Toluene-d8	87	86-110		07/28/2019 22:18
4-BFB	90	71-114		07/28/2019 22:18
Benzene-d6	85	62-122		07/28/2019 22:18
Ethylbenzene-d10	84	69-130		07/28/2019 22:18
1,2-DCB-d4	86	55-108		07/28/2019 22:18

Analyst(s): AK

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC17 07291908.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**0.39**	0.021	2	07/29/2019 12:35
Acenaphthylene	**0.025**	0.021	2	07/29/2019 12:35
Acetochlor	ND	4.0	2	07/29/2019 12:35
Anthracene	**0.19**	0.021	2	07/29/2019 12:35
Benzidine	ND	20	2	07/29/2019 12:35
Benzo (a) anthracene	**0.29**	0.080	2	07/29/2019 12:35
Benzo (a) pyrene	**0.13**	0.040	2	07/29/2019 12:35
Benzo (b) fluoranthene	**0.10**	0.021	2	07/29/2019 12:35
Benzo (g,h,i) perylene	**0.092**	0.040	2	07/29/2019 12:35
Benzo (k) fluoranthene	**0.090**	0.021	2	07/29/2019 12:35
Benzyl Alcohol	ND	20	2	07/29/2019 12:35
1,1-Biphenyl	ND	0.21	2	07/29/2019 12:35
Bis (2-chloroethoxy) Methane	ND	4.0	2	07/29/2019 12:35
Bis (2-chloroethyl) Ether	ND	0.040	2	07/29/2019 12:35
Bis (2-chloroisopropyl) Ether	ND	0.040	2	07/29/2019 12:35
Bis (2-ethylhexyl) Adipate	ND	8.0	2	07/29/2019 12:35
Bis (2-ethylhexyl) Phthalate	ND	0.080	2	07/29/2019 12:35
4-Bromophenyl Phenyl Ether	ND	4.0	2	07/29/2019 12:35
Butylbenzyl Phthalate	ND	0.40	2	07/29/2019 12:35
4-Chloroaniline	ND	0.040	2	07/29/2019 12:35
4-Chloro-3-methylphenol	ND	4.0	2	07/29/2019 12:35
2-Chloronaphthalene	ND	4.0	2	07/29/2019 12:35
2-Chlorophenol	ND	0.080	2	07/29/2019 12:35
4-Chlorophenyl Phenyl Ether	ND	4.0	2	07/29/2019 12:35
Chrysene	**0.20**	0.040	2	07/29/2019 12:35
Dibenzo (a,h) anthracene	ND	0.040	2	07/29/2019 12:35
Dibenzofuran	ND	4.0	2	07/29/2019 12:35
Di-n-butyl Phthalate	ND	0.040	2	07/29/2019 12:35
1,2-Dichlorobenzene	ND	4.0	2	07/29/2019 12:35
1,3-Dichlorobenzene	ND	4.0	2	07/29/2019 12:35
1,4-Dichlorobenzene	ND	4.0	2	07/29/2019 12:35
3,3-Dichlorobenzidine	ND	0.040	2	07/29/2019 12:35
2,4-Dichlorophenol	ND	0.21	2	07/29/2019 12:35
Diethyl Phthalate	ND	0.080	2	07/29/2019 12:35
2,4-Dimethylphenol	ND	4.0	2	07/29/2019 12:35
Dimethyl Phthalate	ND	0.040	2	07/29/2019 12:35
4,6-Dinitro-2-methylphenol	ND	20	2	07/29/2019 12:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC17 07291908.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	2.1	2	07/29/2019 12:35
2,4-Dinitrotoluene	ND	0.10	2	07/29/2019 12:35
2,6-Dinitrotoluene	ND	0.040	2	07/29/2019 12:35
Di-n-octyl Phthalate	ND	0.080	2	07/29/2019 12:35
1,2-Diphenylhydrazine	ND	4.0	2	07/29/2019 12:35
Fluoranthene	**0.94**	0.021	2	07/29/2019 12:35
Fluorene	**0.40**	0.040	2	07/29/2019 12:35
Hexachlorobenzene	ND	0.021	2	07/29/2019 12:35
Hexachlorobutadiene	ND	0.040	2	07/29/2019 12:35
Hexachlorocyclopentadiene	ND	32	2	07/29/2019 12:35
Hexachloroethane	ND	0.040	2	07/29/2019 12:35
Indeno (1,2,3-cd) pyrene	**0.064**	0.040	2	07/29/2019 12:35
Isophorone	ND	4.0	2	07/29/2019 12:35
1-Methylnaphthalene	**0.096**	0.021	2	07/29/2019 12:35
2-Methylnaphthalene	**0.13**	0.040	2	07/29/2019 12:35
2-Methylphenol (o-Cresol)	ND	8.0	2	07/29/2019 12:35
3 & 4-Methylphenol (m,p-Cresol)	ND	4.0	2	07/29/2019 12:35
Naphthalene	**0.19**	0.021	2	07/29/2019 12:35
2-Nitroaniline	ND	20	2	07/29/2019 12:35
3-Nitroaniline	ND	20	2	07/29/2019 12:35
4-Nitroaniline	ND	20	2	07/29/2019 12:35
Nitrobenzene	ND	4.0	2	07/29/2019 12:35
2-Nitrophenol	ND	20	2	07/29/2019 12:35
4-Nitrophenol	ND	20	2	07/29/2019 12:35
N-Nitrosodiphenylamine	ND	4.0	2	07/29/2019 12:35
N-Nitrosodi-n-propylamine	ND	4.0	2	07/29/2019 12:35
Pentachlorophenol	ND	0.50	2	07/29/2019 12:35
Phenanthrene	**1.3**	0.080	2	07/29/2019 12:35
Phenol	ND	0.080	2	07/29/2019 12:35
Pyrene	**0.74**	0.040	2	07/29/2019 12:35
Pyridine	ND	4.0	2	07/29/2019 12:35
1,2,4-Trichlorobenzene	ND	4.0	2	07/29/2019 12:35
2,4,5-Trichlorophenol	ND	0.040	2	07/29/2019 12:35
2,4,6-Trichlorophenol	ND	0.21	2	07/29/2019 12:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC17 07291908.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	109	56-152		07/29/2019 12:35
Phenol-d5	78	54-146		07/29/2019 12:35
Nitrobenzene-d5	89	47-147		07/29/2019 12:35
2-Fluorobiphenyl	74	46-141		07/29/2019 12:35
2,4,6-Tribromophenol	84	25-166		07/29/2019 12:35
4-Terphenyl-d14	70	39-153		07/29/2019 12:35

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC17 07291909.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	**0.41**	0.052	5	07/29/2019 13:02
Acenaphthylene	ND	0.052	5	07/29/2019 13:02
Acetochlor	ND	10	5	07/29/2019 13:02
Anthracene	**0.16**	0.052	5	07/29/2019 13:02
Benzidine	ND	50	5	07/29/2019 13:02
Benzo (a) anthracene	**0.25**	0.20	5	07/29/2019 13:02
Benzo (a) pyrene	**0.10**	0.10	5	07/29/2019 13:02
Benzo (b) fluoranthene	**0.067**	0.052	5	07/29/2019 13:02
Benzo (g,h,i) perylene	**0.10**	0.10	5	07/29/2019 13:02
Benzo (k) fluoranthene	**0.054**	0.052	5	07/29/2019 13:02
Benzyl Alcohol	ND	50	5	07/29/2019 13:02
1,1-Biphenyl	ND	0.52	5	07/29/2019 13:02
Bis (2-chloroethoxy) Methane	ND	10	5	07/29/2019 13:02
Bis (2-chloroethyl) Ether	ND	0.10	5	07/29/2019 13:02
Bis (2-chloroisopropyl) Ether	ND	0.10	5	07/29/2019 13:02
Bis (2-ethylhexyl) Adipate	ND	20	5	07/29/2019 13:02
Bis (2-ethylhexyl) Phthalate	ND	0.20	5	07/29/2019 13:02
4-Bromophenyl Phenyl Ether	ND	10	5	07/29/2019 13:02
Butylbenzyl Phthalate	ND	1.0	5	07/29/2019 13:02
4-Chloroaniline	ND	0.10	5	07/29/2019 13:02
4-Chloro-3-methylphenol	ND	10	5	07/29/2019 13:02
2-Chloronaphthalene	ND	10	5	07/29/2019 13:02
2-Chlorophenol	ND	0.20	5	07/29/2019 13:02
4-Chlorophenyl Phenyl Ether	ND	10	5	07/29/2019 13:02
Chrysene	**0.13**	0.10	5	07/29/2019 13:02
Dibenzo (a,h) anthracene	ND	0.10	5	07/29/2019 13:02
Dibenzofuran	ND	10	5	07/29/2019 13:02
Di-n-butyl Phthalate	ND	0.10	5	07/29/2019 13:02
1,2-Dichlorobenzene	ND	10	5	07/29/2019 13:02
1,3-Dichlorobenzene	ND	10	5	07/29/2019 13:02
1,4-Dichlorobenzene	ND	10	5	07/29/2019 13:02
3,3-Dichlorobenzidine	ND	0.10	5	07/29/2019 13:02
2,4-Dichlorophenol	ND	0.52	5	07/29/2019 13:02
Diethyl Phthalate	ND	0.20	5	07/29/2019 13:02
2,4-Dimethylphenol	ND	10	5	07/29/2019 13:02
Dimethyl Phthalate	ND	0.10	5	07/29/2019 13:02
4,6-Dinitro-2-methylphenol	ND	50	5	07/29/2019 13:02

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC17 07291909.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	5.2	5	07/29/2019 13:02
2,4-Dinitrotoluene	ND	0.25	5	07/29/2019 13:02
2,6-Dinitrotoluene	ND	0.10	5	07/29/2019 13:02
Di-n-octyl Phthalate	ND	0.20	5	07/29/2019 13:02
1,2-Diphenylhydrazine	ND	10	5	07/29/2019 13:02
Fluoranthene	**0.50**	0.052	5	07/29/2019 13:02
Fluorene	**0.37**	0.10	5	07/29/2019 13:02
Hexachlorobenzene	ND	0.052	5	07/29/2019 13:02
Hexachlorobutadiene	ND	0.10	5	07/29/2019 13:02
Hexachlorocyclopentadiene	ND	80	5	07/29/2019 13:02
Hexachloroethane	ND	0.10	5	07/29/2019 13:02
Indeno (1,2,3-cd) pyrene	ND	0.10	5	07/29/2019 13:02
Isophorone	ND	10	5	07/29/2019 13:02
1-Methylnaphthalene	**0.18**	0.052	5	07/29/2019 13:02
2-Methylnaphthalene	**0.26**	0.10	5	07/29/2019 13:02
2-Methylphenol (o-Cresol)	ND	20	5	07/29/2019 13:02
3 & 4-Methylphenol (m,p-Cresol)	ND	10	5	07/29/2019 13:02
Naphthalene	**0.81**	0.052	5	07/29/2019 13:02
2-Nitroaniline	ND	50	5	07/29/2019 13:02
3-Nitroaniline	ND	50	5	07/29/2019 13:02
4-Nitroaniline	ND	50	5	07/29/2019 13:02
Nitrobenzene	ND	10	5	07/29/2019 13:02
2-Nitrophenol	ND	50	5	07/29/2019 13:02
4-Nitrophenol	ND	50	5	07/29/2019 13:02
N-Nitrosodiphenylamine	ND	10	5	07/29/2019 13:02
N-Nitrosodi-n-propylamine	ND	10	5	07/29/2019 13:02
Pentachlorophenol	ND	1.3	5	07/29/2019 13:02
Phenanthrene	**0.98**	0.20	5	07/29/2019 13:02
Phenol	ND	0.20	5	07/29/2019 13:02
Pyrene	**0.42**	0.10	5	07/29/2019 13:02
Pyridine	ND	10	5	07/29/2019 13:02
1,2,4-Trichlorobenzene	ND	10	5	07/29/2019 13:02
2,4,5-Trichlorophenol	ND	0.10	5	07/29/2019 13:02
2,4,6-Trichlorophenol	ND	0.52	5	07/29/2019 13:02

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/29/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC17 07291909.D**	**182488**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	114	56-152		07/29/2019 13:02
Phenol-d5	90	54-146		07/29/2019 13:02
Nitrobenzene-d5	92	47-147		07/29/2019 13:02
2-Fluorobiphenyl	84	46-141		07/29/2019 13:02
2,4,6-Tribromophenol	73	25-166		07/29/2019 13:02
4-Terphenyl-d14	92	39-153		07/29/2019 13:02

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3050B
Date Prepared:	7/26/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**ICP-MS3 058SMPL.D**	**182423**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.70**	0.50	1	07/29/2019 14:28
Arsenic	**5.5**	0.50	1	07/29/2019 14:28
Barium	**150**	5.0	1	07/29/2019 14:28
Beryllium	ND	0.50	1	07/29/2019 14:28
Cadmium	**0.31**	0.25	1	07/29/2019 14:28
Chromium	**60**	0.50	1	07/29/2019 14:28
Cobalt	**8.4**	0.50	1	07/29/2019 14:28
Copper	**36**	0.50	1	07/29/2019 14:28
Lead	**30**	0.50	1	07/29/2019 14:28
Mercury	**0.30**	0.050	1	07/29/2019 14:28
Molybdenum	**1.9**	0.50	1	07/29/2019 14:28
Nickel	**65**	0.50	1	07/29/2019 14:28
Selenium	**0.51**	0.50	1	07/29/2019 14:28
Silver	**0.79**	0.50	1	07/29/2019 14:28
Thallium	ND	0.50	1	07/29/2019 14:28
Vanadium	**49**	0.50	1	07/29/2019 14:28
Zinc	**120**	5.0	1	07/29/2019 14:28

Surrogates	REC (%)	Limits	
Terbium	100	70-130	07/29/2019 14:28

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3050B
Date Prepared:	7/26/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	1907D05-005A	Soil	07/25/2019 10:20	ICP-MS3 057SMPL.D	182423

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.75**	0.50	1	07/29/2019 14:22
Arsenic	**5.1**	0.50	1	07/29/2019 14:22
Barium	**150**	5.0	1	07/29/2019 14:22
Beryllium	ND	0.50	1	07/29/2019 14:22
Cadmium	**0.30**	0.25	1	07/29/2019 14:22
Chromium	**120**	0.50	1	07/29/2019 14:22
Cobalt	**11**	0.50	1	07/29/2019 14:22
Copper	**54**	0.50	1	07/29/2019 14:22
Lead	**31**	0.50	1	07/29/2019 14:22
Mercury	**0.42**	0.050	1	07/29/2019 14:22
Molybdenum	**1.4**	0.50	1	07/29/2019 14:22
Nickel	**93**	0.50	1	07/29/2019 14:22
Selenium	ND	0.50	1	07/29/2019 14:22
Silver	**0.98**	0.50	1	07/29/2019 14:22
Thallium	ND	0.50	1	07/29/2019 14:22
Vanadium	**55**	0.50	1	07/29/2019 14:22
Zinc	**100**	5.0	1	07/29/2019 14:22

Surrogates	REC (%)	Limits	
Terbium	104	70-130	07/29/2019 14:22

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5035
Date Prepared:	7/26/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-16-5.0A	**1907D05-001A**	**Soil**	**07/25/2019 08:33**	**GC19 07271919.D**	**182442**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**6.3**	B	1.0	1	07/27/2019 17:49
MTBE	**---**		0.050	1	07/27/2019 17:49
Benzene	**---**		0.0050	1	07/27/2019 17:49
Toluene	**---**		0.0050	1	07/27/2019 17:49
Ethylbenzene	**---**		0.0050	1	07/27/2019 17:49
m,p-Xylene	**---**		0.010	1	07/27/2019 17:49
o-Xylene	**---**		0.0050	1	07/27/2019 17:49
Xylenes	**---**		0.0050	1	07/27/2019 17:49

Surrogates	REC (%)	Limits	
2-Fluorotoluene	65	62-126	07/27/2019 17:49

Analyst(s): HD Analytical Comments: d7,d1,d6

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-17-5.0A	**1907D05-002A**	**Soil**	**07/25/2019 08:23**	**GC19 07261935.D**	**182442**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**10**	B	1.0	1	07/27/2019 03:55
MTBE	**---**		0.050	1	07/27/2019 03:55
Benzene	**---**		0.0050	1	07/27/2019 03:55
Toluene	**---**		0.0050	1	07/27/2019 03:55
Ethylbenzene	**---**		0.0050	1	07/27/2019 03:55
m,p-Xylene	**---**		0.010	1	07/27/2019 03:55
o-Xylene	**---**		0.0050	1	07/27/2019 03:55
Xylenes	**---**		0.0050	1	07/27/2019 03:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	69	62-126	07/27/2019 03:55

Analyst(s): HD Analytical Comments: d7,d1,d6

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5035
Date Prepared:	7/26/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-20-5.0A	1907D05-003A	Soil	07/25/2019 08:45	GC19 07291908.D	182442

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/29/2019 13:23
MTBE	---	0.050	1	07/29/2019 13:23
Benzene	---	0.0050	1	07/29/2019 13:23
Toluene	---	0.0050	1	07/29/2019 13:23
Ethylbenzene	---	0.0050	1	07/29/2019 13:23
m,p-Xylene	---	0.010	1	07/29/2019 13:23
o-Xylene	---	0.0050	1	07/29/2019 13:23
Xylenes	---	0.0050	1	07/29/2019 13:23

Surrogates	REC (%)	Limits	
2-Fluorotoluene	89	62-126	07/29/2019 13:23

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	1907D05-004A	Soil	07/25/2019 10:00	GC19 07271914.D	182442

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/27/2019 15:06
MTBE	---	0.050	1	07/27/2019 15:06
Benzene	---	0.0050	1	07/27/2019 15:06
Toluene	---	0.0050	1	07/27/2019 15:06
Ethylbenzene	---	0.0050	1	07/27/2019 15:06
m,p-Xylene	---	0.010	1	07/27/2019 15:06
o-Xylene	---	0.0050	1	07/27/2019 15:06
Xylenes	---	0.0050	1	07/27/2019 15:06

Surrogates	REC (%)	Limits	
2-Fluorotoluene	71	62-126	07/27/2019 15:06

Analyst(s): HD

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW5035
Date Prepared:	7/26/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC19 07271920.D**	**182442**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.0**	B	1.0	1	07/27/2019 18:22
MTBE	**---**		0.050	1	07/27/2019 18:22
Benzene	**---**		0.0050	1	07/27/2019 18:22
Toluene	**---**		0.0050	1	07/27/2019 18:22
Ethylbenzene	**---**		0.0050	1	07/27/2019 18:22
m,p-Xylene	**---**		0.010	1	07/27/2019 18:22
o-Xylene	**---**		0.0050	1	07/27/2019 18:22
Xylenes	**---**		0.0050	1	07/27/2019 18:22

Surrogates	REC (%)	Limits	
2-Fluorotoluene	78	62-126	07/27/2019 18:22

Analyst(s): HD

Analytical Comments: d7

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/26/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-16-5.0A	**1907D05-001A**	**Soil**	**07/25/2019 08:33**	**GC6B 07261959.D**	**182452**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**21**	10	10	07/27/2019 13:17

Surrogates	REC (%)	Limits	
C9	87	74-123	07/27/2019 13:17

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-17-5.0A	**1907D05-002A**	**Soil**	**07/25/2019 08:23**	**GC11A 07261956.D**	**182452**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**26**	10	10	07/27/2019 11:56

Surrogates	REC (%)	Limits	
C9	99	74-123	07/27/2019 11:56

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-20-5.0A	**1907D05-003A**	**Soil**	**07/25/2019 08:45**	**GC9a 07291922.D**	**182452**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**33**	5.0	5	07/29/2019 15:25

Surrogates	REC (%)	Limits	
C9	87	74-123	07/29/2019 15:25

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**GC9a 07291914.D**	**182452**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**95**	10	10	07/29/2019 12:50
TPH-Motor Oil (C18-C36)	**240**	50	10	07/29/2019 12:50

Surrogates	REC (%)	Limits	
C9	90	74-123	07/29/2019 12:50

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	SW3550B
Date Prepared:	7/26/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**GC11B 07261959.D**	**182452**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**51**	20	20	07/27/2019 13:15
TPH-Motor Oil (C18-C36)	**410**	100	20	07/27/2019 13:15

Surrogates	REC (%)	Limits	
C9	105	74-123	07/27/2019 13:15

Analyst(s): JIS Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.12			0.12	97	66-112
Toluene-d8	0.12			0.12	99	92-109
4-BFB	0.012			0.012	94	72-112
Benzene-d6	0.089			0.10	89	81-126
Ethylbenzene-d10	0.11			0.10	105	92-138
1,2-DCB-d4	0.080			0.10	80	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.22	0.21	0.20	109	105	59-127	3.69	20
tert-Amyl methyl ether (TAME)	0.016	0.015	0.020	79	77	54-98	2.86	20
Benzene	0.017	0.017	0.020	86	85	71-115	2.09	20
Bromobenzene	0.018	0.018	0.020	91	91	69-120	0	20
Bromochloromethane	0.018	0.018	0.020	88	89	63-117	0.713	20
Bromodichloromethane	0.017	0.017	0.020	86	84	61-109	1.89	20
Bromoform	0.012	0.013	0.020	58	63	46-87	7.57	20
Bromomethane	0.026	0.024	0.020	129	119	22-195	7.91	20
2-Butanone (MEK)	0.061	0.061	0.080	76	76	53-124	0	20
t-Butyl alcohol (TBA)	0.073	0.068	0.080	91	85	29-142	6.07	20
n-Butyl benzene	0.026	0.026	0.020	130	129	102-169	0.984	20
sec-Butyl benzene	0.024	0.024	0.020	120	120	100-166	0	20
tert-Butyl benzene	0.023	0.023	0.020	113	113	91-153	0	20
Carbon Disulfide	0.021	0.024	0.020	107	119	60-125	10.3	20
Carbon Tetrachloride	0.018	0.018	0.020	90	88	69-124	2.22	20
Chlorobenzene	0.018	0.019	0.020	91	93	73-116	2.23	20
Chloroethane	0.020	0.020	0.020	100	100	47-140	0	20
Chloroform	0.018	0.018	0.020	91	89	69-118	2.75	20
Chloromethane	0.020	0.020	0.020	102	99	30-132	2.38	20
2-Chlorotoluene	0.020	0.020	0.020	102	101	75-147	1.07	20
4-Chlorotoluene	0.020	0.020	0.020	102	101	75-137	0.636	20
Dibromochloromethane	0.015	0.015	0.020	75	76	57-105	1.33	20
1,2-Dibromo-3-chloropropane	0.0068	0.0066	0.010	68	66	36-103	2.71	20
1,2-Dibromoethane (EDB)	0.0083	0.0085	0.010	83	85	66-101	2.18	20
Dibromomethane	0.017	0.017	0.020	85	83	61-103	2.20	20
1,2-Dichlorobenzene	0.016	0.016	0.020	80	81	59-104	0.432	20
1,3-Dichlorobenzene	0.018	0.018	0.020	92	92	70-133	0	20
1,4-Dichlorobenzene	0.018	0.017	0.020	89	87	68-123	2.58	20
Dichlorodifluoromethane	0.013	0.013	0.020	66	65	13-107	2.08	20
1,1-Dichloroethane	0.018	0.018	0.020	90	88	69-118	2.17	20
1,2-Dichloroethane (1,2-DCA)	0.017	0.016	0.020	84	82	59-112	2.07	20
1,1-Dichloroethene	0.017	0.017	0.020	86	84	69-126	3.28	20
cis-1,2-Dichloroethene	0.018	0.018	0.020	91	89	69-116	2.68	20
trans-1,2-Dichloroethene	0.019	0.018	0.020	93	91	73-116	1.97	20
1,2-Dichloropropane	0.017	0.017	0.020	86	85	65-111	1.74	20
1,3-Dichloropropane	0.018	0.018	0.020	90	92	67-110	2.16	20
2,2-Dichloropropane	0.021	0.020	0.020	103	101	65-125	2.28	20
1,1-Dichloropropene	0.020	0.019	0.020	98	94	70-123	4.21	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.020	0.020	0.020	100	102	68-126	1.49	20
trans-1,3-Dichloropropene	0.019	0.020	0.020	97	99	69-117	1.41	20
Diisopropyl ether (DIPE)	0.017	0.017	0.020	87	85	57-110	2.33	20
Ethylbenzene	0.020	0.020	0.020	98	99	80-128	1.14	20
Ethyl tert-butyl ether (ETBE)	0.018	0.017	0.020	88	85	54-106	3.25	20
Freon 113	0.017	0.016	0.020	84	80	60-108	5.25	20
Hexachlorobutadiene	0.023	0.024	0.020	117	117	67-182	0	20
Hexachloroethane	0.019	0.020	0.020	95	98	85-156	3.22	20
2-Hexanone	0.014	0.014	0.020	70	72	37-90	2.34	20
Isopropylbenzene	0.023	0.023	0.020	114	114	64-167	0	20
4-Isopropyl toluene	0.023	0.024	0.020	117	118	88-167	0.658	20
Methyl-t-butyl ether (MTBE)	0.016	0.016	0.020	82	80	60-102	2.54	20
Methylene chloride	0.020	0.019	0.020	98	95	71-117	3.70	20
4-Methyl-2-pentanone (MIBK)	0.014	0.015	0.020	72	75	48-90	4.42	20
Naphthalene	0.011	0.0092	0.020	54	46	29-65	15.8	20
n-Propyl benzene	0.023	0.023	0.020	115	113	88-161	1.30	20
Styrene	0.019	0.018	0.020	94	93	70-108	1.05	20
1,1,1,2-Tetrachloroethane	0.019	0.020	0.020	95	98	69-117	3.32	20
1,1,2,2-Tetrachloroethane	0.016	0.015	0.020	78	77	53-96	1.65	20
Tetrachloroethene	0.019	0.019	0.020	93	93	78-128	0	20
Toluene	0.019	0.019	0.020	93	95	78-121	1.56	20
1,2,3-Trichlorobenzene	0.012	0.012	0.020	62	58	35-80	7.69	20
1,2,4-Trichlorobenzene	0.016	0.015	0.020	78	75	46-101	4.51	20
1,1,1-Trichloroethane	0.020	0.019	0.020	98	95	69-121	2.86	20
1,1,2-Trichloroethane	0.017	0.017	0.020	84	86	64-104	1.67	20
Trichloroethene	0.017	0.017	0.020	86	85	73-118	1.46	20
Trichlorofluoromethane	0.020	0.019	0.020	99	95	31-119	4.02	20
1,2,3-Trichloropropane	0.0083	0.0082	0.010	83	82	65-107	1.32	20
1,2,4-Trimethylbenzene	0.022	0.022	0.020	111	111	80-147	0	20
1,3,5-Trimethylbenzene	0.023	0.023	0.020	114	113	83-156	1.10	20
Vinyl Chloride	0.0095	0.0091	0.010	95	91	40-125	4.29	20
m,p-Xylene	0.039	0.040	0.040	98	99	80-122	1.61	20
o-Xylene	0.019	0.019	0.020	93	94	79-116	1.32	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	98	94	66-112	4.76	20
Toluene-d8	0.12	0.12	0.12	99	99	92-109	0	20
4-BFB	0.011	0.011	0.012	91	91	72-112	0	20
Benzene-d6	0.091	0.090	0.10	91	90	81-126	1.64	20
Ethylbenzene-d10	0.11	0.11	0.10	106	108	92-138	1.99	20
1,2-DCB-d4	0.082	0.082	0.10	82	82	68-108	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acetone	1	0.20	0.22	0.20	ND	77	86	48-114	8.87	20
tert-Amyl methyl ether (TAME)	1	0.0099	0.011	0.020	ND	49	55	44-94	10.3	20
Benzene	1	0.013	0.014	0.020	ND	65	69	50-115	6.90	20
Bromobenzene	1	0.012	0.012	0.020	ND	59,F1	59,F1	60-114	0	20
Bromochloromethane	1	0.012	0.012	0.020	ND	58	62	50-113	6.95	20
Bromodichloromethane	1	0.011	0.011	0.020	ND	53	56	46-109	4.84	20
Bromoform	1	0.0069	0.0068	0.020	ND	35,F1	34,F1	38-83	1.62	20
Bromomethane	1	0.016	0.016	0.020	ND	80	80	10-149	0	20
2-Butanone (MEK)	1	0.057	0.063	0.080	ND	71	78	46-111	9.29	20
t-Butyl alcohol (TBA)	1	0.046	0.046	0.080	ND	58	58	32-112	0	20
n-Butyl benzene	1	0.020	0.019	0.020	ND	99	97	71-156	2.25	20
sec-Butyl benzene	1	0.019	0.019	0.020	0.005089	69	70	28-190	1.03	20
tert-Butyl benzene	1	0.014	0.015	0.020	ND	72	76	69-145	6.43	20
Carbon Disulfide	1	0.017	0.019	0.020	ND	86	95	19-135	9.57	20
Carbon Tetrachloride	1	0.011	0.012	0.020	ND	57	59	51-120	4.03	20
Chlorobenzene	1	0.012	0.013	0.020	ND	52,F1	52,F1	63-108	0	20
Chloroethane	1	0.021	0.022	0.020	ND	107	112	40-122	3.84	20
Chloroform	1	0.014	0.015	0.020	ND	68	73	55-114	6.56	20
Chloromethane	1	0.023	0.023	0.020	ND	113	114	14-128	0.385	20
2-Chlorotoluene	1	0.015	0.016	0.020	ND	73	78	45-153	6.55	20
4-Chlorotoluene	1	0.013	0.014	0.020	ND	67	71	65-126	5.91	20
Dibromochloromethane	1	0.0083	0.0088	0.020	ND	42,F1	44,F1	48-97	5.66	20
1,2-Dibromo-3-chloropropane	1	0.0042	0.0044	0.010	ND	42	44	32-95	4.11	20
1,2-Dibromoethane (EDB)	1	0.0048	0.0051	0.010	ND	48,F1	51,F1	52-99	7.09	20
Dibromomethane	1	0.010	0.011	0.020	ND	52	56	50-100	6.07	20
1,2-Dichlorobenzene	1	0.013	0.012	0.020	ND	44	40	38-116	7.15	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
1,3-Dichlorobenzene	1	0.014	0.014	0.020	ND	70	70	58-127	0	20
1,4-Dichlorobenzene	1	0.013	0.014	0.020	ND	67	68	54-123	1.32	20
Dichlorodifluoromethane	1	0.012	0.013	0.020	ND	62	66	8-93	6.72	20
1,1-Dichloroethane	1	0.014	0.015	0.020	ND	68	73	53-115	6.78	20
1,2-Dichloroethane (1,2-DCA)	1	0.011	0.012	0.020	ND	57	60	48-105	5.77	20
1,1-Dichloroethene	1	0.013	0.014	0.020	ND	63	68	47-127	7.29	20
cis-1,2-Dichloroethene	1	0.012	0.013	0.020	ND	60	63	56-111	5.26	20
trans-1,2-Dichloroethene	1	0.012	0.013	0.020	ND	60	64	51-115	5.69	20
1,2-Dichloropropane	1	0.012	0.013	0.020	ND	62	66	51-111	6.21	20
1,3-Dichloropropane	1	0.010	0.011	0.020	ND	51	55	51-109	7.71	20
2,2-Dichloropropane	1	0.014	0.015	0.020	ND	70	75	50-116	6.78	20
1,1-Dichloropropene	1	0.013	0.014	0.020	ND	64	70	46-124	7.80	20
cis-1,3-Dichloropropene	1	0.0091	0.0098	0.020	ND	46	49	41-127	6.85	20
trans-1,3-Dichloropropene	1	0.0098	0.010	0.020	ND	49,F1	52	50-111	7.05	20
Diisopropyl ether (DIPE)	1	0.013	0.014	0.020	ND	65	70	50-103	6.90	20
Ethylbenzene	1	0.014	0.014	0.020	ND	52,F1	52,F1	65-119	0	20
Ethyl tert-butyl ether (ETBE)	1	0.011	0.013	0.020	ND	57	63	47-100	10.6	20
Freon 113	1	0.011	0.012	0.020	ND	56	61	48-98	8.78	20
Hexachlorobutadiene	1	0.012	0.013	0.020	ND	60	66	36-166	10.8	20
Hexachloroethane	1	0.011	0.013	0.020	ND	53,F1	63	61-146	16.4	20
2-Hexanone	1	0.0090	0.0095	0.020	ND	45	47	31-87	4.56	20
Isopropylbenzene	1	0.018	0.018	0.020	ND	89	92	24-171	3.57	20
4-Isopropyl toluene	1	0.017	0.017	0.020	ND	87	87	69-150	0	20
Methyl-t-butyl ether (MTBE)	1	0.010	0.012	0.020	ND	50	59	50-95	15.7	20
Methylene chloride	1	0.014	0.015	0.020	ND	71	73	39-123	2.76	20
4-Methyl-2-pentanone (MIBK)	1	0.0095	0.011	0.020	ND	47	53	41-83	10.3	20
Naphthalene	1	0.021	0.011	0.020	0.01492	28	0,F1	13-77	NA	20
n-Propyl benzene	1	0.016	0.017	0.020	ND	81	86	26-184	6.76	20
Styrene	1	0.010	0.011	0.020	ND	52,F1	56	54-105	6.95	20
1,1,1,2-Tetrachloroethane	1	0.0091	0.0097	0.020	ND	46,F1	48,F1	60-108	5.76	20
1,1,2,2-Tetrachloroethane	1	0.010	0.011	0.020	ND	52	54	37-108	3.40	20
Tetrachloroethene	1	0.012	0.013	0.020	ND	60	66	54-127	9.91	20
Toluene	1	0.011	0.012	0.020	ND	54,F1	58,F1	63-114	7.21	20
1,2,3-Trichlorobenzene	1	0.0086	0.0077	0.020	ND	43	38	14-97	11.2	20
1,2,4-Trichlorobenzene	1	0.0093	0.0093	0.020	ND	47	47	31-106	0	20
1,1,1-Trichloroethane	1	0.013	0.013	0.020	ND	63	67	55-114	6.20	20
1,1,2-Trichloroethane	1	0.0099	0.010	0.020	ND	49,F1	52	50-104	5.45	20
Trichloroethene	1	0.012	0.013	0.020	ND	60	65	47-127	7.82	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182455
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182455 1907D05-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Trichlorofluoromethane	1	0.013	0.014	0.020	ND	66	70	9-119	6.52	20
1,2,3-Trichloropropane	1	0.0059	0.0060	0.010	ND	59	60	45-115	2.65	20
1,2,4-Trimethylbenzene	1	0.015	0.016	0.020	ND	77	81	69-133	5.23	20
1,3,5-Trimethylbenzene	1	0.016	0.017	0.020	ND	80	83	27-172	4.74	20
Vinyl Chloride	1	0.0084	0.0089	0.010	ND	84	89	33-114	6.19	20
m,p-Xylene	1	0.024	0.026	0.040	ND	60,F1	65	62-117	6.81	20
o-Xylene	1	0.011	0.012	0.020	ND	55	59	19-144	7.52	20
Surrogate Recovery										
Dibromofluoromethane	1	0.12	0.11	0.12		93	90	66-116	3.02	20
Toluene-d8	1	0.14	0.14	0.12		109	109	86-110	0	20
4-BFB	1	0.0099	0.0092	0.012		80	74	71-114	7.82	20
Benzene-d6	1	0.084	0.086	0.10		84	86	62-122	2.65	20
Ethylbenzene-d10	1	0.10	0.11	0.10		102	110	69-130	7.15	20
1,2-DCB-d4	1	0.066	0.069	0.10		66	69	55-108	4.04	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.0			1.25	81	54-131
Phenol-d5	0.98			1.25	79	52-129
Nitrobenzene-d5	0.92			1.25	74	43-127
2-Fluorobiphenyl	0.86			1.25	69	42-116
2,4,6-Tribromophenol	0.94			1.25	76	39-119
4-Terphenyl-d14	0.79			1.25	63	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.0	2.0	2.5	80	81	69-130	1.31	30
1,2-Dichlorobenzene	1.9	1.9	2.5	75	76	68-114	1.10	30
1,2-Diphenylhydrazine	1.9	2.2	2.5	77	88	62-142	13.3	30
1,3-Dichlorobenzene	1.8	1.9	2.5	73	76	69-116	3.38	30
1,4-Dichlorobenzene	2.0	2.1	2.5	81	84	64-117	3.28	30
1-Methylnaphthalene	0.097	0.098	0.12	77	78	65-134	1.27	30
2,4,5-Trichlorophenol	0.099	0.10	0.12	79	80	68-150	1.37	30
2,4,6-Trichlorophenol	0.090	0.093	0.12	72	75	70-144	3.39	30
2,4-Dichlorophenol	1.7	1.9	2.5	69, F2	74, F2	78-144	7.05	30
2,4-Dimethylphenol	2.3	2.3	2.5	91	92	71-152	1.06	30
2,4-Dinitrophenol	1.9	2.1	2.5	76	83	1-156	9.00	30
2,4-Dinitrotoluene	0.099	0.11	0.12	79	85	68-144	6.95	30
2,6-Dinitrotoluene	0.094	0.10	0.12	75	82	69-148	8.92	30
2-Chloronaphthalene	1.9	1.9	2.5	75	77	71-133	2.26	30
2-Chlorophenol	0.10	0.096	0.12	80	77	73-133	3.45	30
2-Methylnaphthalene	0.10	0.10	0.12	82	83	72-139	1.71	30
2-Methylphenol (o-Cresol)	2.0	2.1	2.5	80	84	69-138	5.65	30
2-Nitroaniline	9.4	11	12.5	75	87	72-143	14.2	30
2-Nitrophenol	9.8	10	12.5	78, F2	80	80-141	2.52	30
3 & 4-Methylphenol (m,p-Cresol)	2.0	2.2	2.5	81	86	69-128	6.15	30
3,3-Dichlorobenzidine	0.070	0.067	0.12	56	54	11-163	4.90	30
3-Nitroaniline	8.6	7.7	12.5	69	61	57-122	11.7	30
4,6-Dinitro-2-methylphenol	8.1	8.5	12.5	65	68	14-155	4.80	30
4-Bromophenyl Phenyl Ether	1.9	1.9	2.5	76	77	68-136	0.537	30
4-Chloro-3-methylphenol	2.2	2.2	2.5	88	90	78-149	1.84	30
4-Chloroaniline	0.089	0.080	0.12	71	64	46-130	10.5	30
4-Chlorophenyl Phenyl Ether	1.8	1.8	2.5	73	73	71-132	0	30
4-Nitroaniline	8.9	8.9	12.5	72	71	68-133	0.274	30
4-Nitrophenol	9.2	10	12.5	74	82	67-144	11.1	30
Acenaphthene	0.088	0.092	0.12	71	74	68-134	4.12	30
Acenaphthylene	0.093	0.098	0.12	74	79	65-141	5.72	30
Anthracene	0.087	0.090	0.12	70	72	65-147	3.36	30
Benzidine	3.9	2.9	12.5	31	23	7-97	29.2	30
Benzo (a) anthracene	0.089	0.092	0.12	71	73	61-136	3.03	30
Benzo (a) pyrene	0.089	0.094	0.12	72	75	59-150	4.63	30
Benzo (b) fluoranthene	0.092	0.097	0.12	73	78	43-160	5.82	30
Benzo (g,h,i) perylene	0.086	0.088	0.12	68	71	54-142	3.22	30
Benzo (k) fluoranthene	0.10	0.10	0.12	80	84	59-141	3.73	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	10	11	12.5	80	84	48-145	5.10	30
Bis (2-chloroethoxy) Methane	2.0	2.1	2.5	80	84	71-138	5.79	30
Bis (2-chloroethyl) Ether	0.093	0.096	0.12	74	77	60-128	3.80	30
Bis (2-chloroisopropyl) Ether	0.12	0.13	0.12	95	105	67-129	9.62	30
Bis (2-ethylhexyl) Adipate	1.8	2.1	2.5	70	83	56-162	15.8	30
Bis (2-ethylhexyl) Phthalate	0.086	0.10	0.12	69	83	49-168	18.5	30
Butylbenzyl Phthalate	0.094	0.11	0.12	75	92	57-161	19.6	30
Chrysene	0.090	0.095	0.12	72	76	58-140	5.90	30
Dibenzo (a,h) anthracene	0.094	0.10	0.12	75	80	57-151	6.25	30
Dibenzofuran	1.8	1.9	2.5	73	75	70-134	1.99	30
Diethyl Phthalate	0.091	0.10	0.12	73	81	67-146	10.2	30
Dimethyl Phthalate	0.094	0.10	0.12	75	82	70-135	8.03	30
Di-n-butyl Phthalate	0.092	0.10	0.12	74	84	65-147	13.2	30
Di-n-octyl Phthalate	0.092	0.10	0.12	73	84	51-175	12.9	30
Fluoranthene	0.099	0.10	0.12	79	80	66-146	0.580	30
Fluorene	0.095	0.10	0.12	76	80	72-142	5.38	30
Hexachlorobenzene	0.086	0.080	0.12	69	64, F2	65-127	8.29	30
Hexachlorobutadiene	0.090	0.087	0.12	72	69	68-131	3.65	30
Hexachlorocyclopentadiene	7.7	7.7	12.5	62	62	38-134	0	30
Hexachloroethane	0.092	0.096	0.12	73	77	57-117	4.65	30
Indeno (1,2,3-cd) pyrene	0.089	0.092	0.12	72	74	57-145	3.26	30
Isophorone	1.9	2.1	2.5	77	83	69-139	6.97	30
Naphthalene	0.093	0.097	0.12	74	77	64-127	3.97	30
Nitrobenzene	1.8	2.0	2.5	74	80	66-136	7.52	30
N-Nitrosodi-n-propylamine	1.9	2.1	2.5	77	85	74-118	9.59	30
N-Nitrosodiphenylamine	1.8	1.9	2.5	73	77	67-138	5.25	30
Pentachlorophenol	0.50	0.45	0.62	80	72	50-153	10.8	30
Phenanthrene	0.086	0.089	0.12	69	72	66-129	3.41	30
Phenol	0.42	0.42	0.50	85	84	58-136	0.557	30
Pyrene	0.098	0.10	0.12	79	84	55-148	6.21	30
Pyridine	1.2	1.5	2.5	48	60	46-93	21.5	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/29/19	**BatchID:**	182488
Date Analyzed:	7/29/19	**Extraction Method:**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182488

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.1	1.2	1.25	92	93	68-128	1.65	30
Phenol-d5	1.2	1.2	1.25	95	95	73-121	0	30
Nitrobenzene-d5	1.1	1.2	1.25	92	94	59-138	1.93	30
2-Fluorobiphenyl	1.1	1.0	1.25	87	84	59-129	3.65	30
2,4,6-Tribromophenol	1.1	1.2	1.25	88	94	46-142	6.23	30
4-Terphenyl-d14	1.1	1.1	1.25	84	84	50-143	0	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182423
Date Analyzed:	7/29/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182423

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	ND	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	520			500	104	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182423
Date Analyzed:	7/29/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182423

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	54	56	50	109	112	75-125	2.68	20
Arsenic	50	51	50	101	103	75-125	1.92	20
Barium	520	530	500	104	107	75-125	3.08	20
Beryllium	51	52	50	102	105	75-125	3.00	20
Cadmium	49	50	50	99	100	75-125	0.685	20
Chromium	49	50	50	99	100	75-125	1.71	20
Cobalt	52	53	50	103	107	75-125	3.24	20
Copper	50	51	50	101	102	75-125	1.18	20
Lead	50	51	50	100	102	75-125	1.74	20
Mercury	1.2	1.2	1.25	99	99	75-125	0	20
Molybdenum	51	52	50	101	104	75-125	2.34	20
Nickel	51	51	50	101	102	75-125	0.727	20
Selenium	51	52	50	102	103	75-125	1.64	20
Silver	49	50	50	98	101	75-125	2.94	20
Thallium	50	51	50	100	102	75-125	1.85	20
Vanadium	49	50	50	99	101	75-125	1.80	20
Zinc	500	510	500	100	101	75-125	1.43	20
Surrogate Recovery								
Terbium	520	540	500	105	109	70-130	3.65	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182442
Date Analyzed:	7/27/19 - 7/29/19	**Extraction Method:**	SW5035
Instrument:	GC19, GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182442

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.12,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.096			0.10	96	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.57	0.56	0.60	95	93	82-118	2.27	20
MTBE	0.088	0.087	0.10	88	87	61-119	1.04	20
Benzene	0.094	0.091	0.10	94	91	77-128	3.64	20
Toluene	0.099	0.095	0.10	99	95	74-132	3.73	20
Ethylbenzene	0.097	0.096	0.10	97	96	84-127	1.75	20
m,p-Xylene	0.20	0.20	0.20	101	100	80-120	1.56	20
o-Xylene	0.10	0.098	0.10	100	98	80-120	1.80	20
Surrogate Recovery								
2-Fluorotoluene	0.095	0.092	0.10	95	92	75-134	2.51	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/26/19	**BatchID:**	182452
Date Analyzed:	7/27/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182452

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	92	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	43	43	40	108	108	75-128	0	30
Surrogate Recovery								
C9	23	23	25	91	93	72-122	2.54	30

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907D05 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **07/26/2019**
Date Logged: **07/26/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1907D05-001	Area E-S-16-5.0A	Soil	7/25/2019 08:33	☐				A	A							
1907D05-002	Area E-S-17-5.0A	Soil	7/25/2019 08:23	☐				A	A							
1907D05-003	Area E-S-20-5.0A	Soil	7/25/2019 08:45	☐				A	A							
1907D05-004	Debris Pile	Soil	7/25/2019 10:00	☐	A	A	A	A	A							
1907D05-005	Engeo 0-4	Soil	7/25/2019 10:20	☐	A	A	A	A	A							

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1907D05
QC Level: LEVEL 2
Date Logged: 7/26/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907D05-001A	Area E-S-16-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/25/2019 8:33	1 day		☐	
1907D05-002A	Area E-S-17-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/25/2019 8:23	1 day		☐	
1907D05-003A	Area E-S-20-5.0A	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	7/25/2019 8:45	1 day		☐	
1907D05-004A	Debris Pile	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	7/25/2019 10:00	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	
1907D05-005A	Engeo 0-4	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	7/25/2019 10:20	1 day		☐	
			SW6020 (CAM 17)			☐		1 day		☐	
			SW8270C (SVOCs)			☐		1 day		☐	
			SW8260B (VOCs)			☐		1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1907005

plz cc: gstafford@langan.com

12867

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

RUSH

- [x] ~~555 Montgomery~~ 135 Main Street, Suite ~~4300~~ 1500, San Francisco, CA ~~94111~~ 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH 3/d	TPH 3/d/MS	VOCs	SVOCs	Total CAM 17	Silica gel clean-up	Hold	Remarks
Area E-S-16-5.0A	7/25/19	0933		X							X	X							1) Please composite
Area E-S-17-5.0A		0923										X							1→4 into Debris Pile
Area E-S-20-5.0A		0845										X							
1		0950																	2) Please composite
2		0953																	5→8 into Engeo 0-4
3		0955																	
4		1000																	
5		1015																	
6		1016																	
7		1018																	
8	↓	1020		↓							↓								
Debris Pile													X	X	X	X			
Engeo 0-4													X	X	X	X			

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/26/19	1025	LAP	7/26/19	1025
LAP	7/26/19	1525		7.26.19	1525
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

2.3 WET

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**7/26/2019 15:25**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**7/26/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1907D05** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.3°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1907D05 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 07/26/2019

Analytical Report reviewed & approved for release on 08/02/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1907D05 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1907D05
Date Received:	7/26/19 15:25	**Extraction Method:**	CA Title 22
Date Prepared:	7/30/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Debris Pile	**1907D05-004A**	**Soil**	**07/25/2019 10:00**	**ICP-MS3 118SMPL.D**	**182640**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.37**	0.10	1	08/02/2019 02:45

Analyst(s): ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Engeo 0-4	**1907D05-005A**	**Soil**	**07/25/2019 10:20**	**ICP-MS3 119SMPL.D**	**182640**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.25**	0.10	1	08/02/2019 02:51

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1907D05
Date Prepared:	7/30/19	**BatchID:**	182640
Date Analyzed:	8/2/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-182640

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	11	11	10	108	106	75-125	2.03	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1907D05 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 07/26/2019
Date Logged: 07/26/2019
Date Add-On: 07/30/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1907D05-004	Debris Pile	Soil	7/25/2019 10:00	☐	A											
1907D05-005	Engeo 0-4	Soil	7/25/2019 10:20	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Add-On Prepared By: Maria Venegas

Comments: STLC Cr added to 004 & 005 7/30/19 Rush TAT

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC Cr added to 004 & 005 7/30/19 Rush TAT

Work Order: 1907D05
QC Level: LEVEL 2
Date Logged: 7/26/2019
Date Add-On: 7/30/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1907D05-004A	Debris Pile	Soil	SW6020 (Chromium) (STLC)	4 / (4:1)	Stainless Steel tube 2"x6"	7/25/2019 10:00	1 day*		☐	
1907D05-005A	Engeo 0-4	Soil	SW6020 (Chromium) (STLC)	4 / (4:1)	Stainless Steel tube 2"x6"	7/25/2019 10:20	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1907005

plz cc: gstafford@langan.com

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LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

RUSH

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- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH 3/d	TPH 3/d/MS	VOCs	SVOCs	Total CAM 17	STLC	Silica gel clean-up	Hold	Remarks
Area E-S-16-5.0A	7/25/19	0833		X							X	X								1) Please composite
Area E-S-17-5.0A		0823										X								1→4 into Debris Pile
Area E-S-20-5.0A		0845										X								
1		0950																		2) Please composite
2		0953																		5→8 into Engeo 0-4
3		0955																		
4		1000																		
5		1015																		
6		1016																		
7		1018																		
8		1020																		
Debris Pile													X	X	X	X	X			
Engeo 0-4													X	X	X	X	X			

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	7/26/19	1025	LAP	7/26/19	1025
LAP	7/26/19	1525		7.26.19	1525
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

2.3 WET

COC Number: added 7/30/19 RUSH

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1908B83

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/21/2019

Analytical Report reviewed & approved for release on 08/22/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908B83

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908B83

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

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Analytical Report

Client:	Langan	**WorkOrder:**	1908B83
Date Received:	8/21/19 14:35	**Extraction Method:**	SW5035
Date Prepared:	8/21/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0D	**1908B83-001A**	**Soil**	**08/20/2019 08:17**	**GC19 08221909.D**	**183917**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.9**	B	1.0	1	08/22/2019 14:59
MTBE	---		0.050	1	08/22/2019 14:59
Benzene	---		0.0050	1	08/22/2019 14:59
Toluene	---		0.0050	1	08/22/2019 14:59
Ethylbenzene	---		0.0050	1	08/22/2019 14:59
m,p-Xylene	---		0.010	1	08/22/2019 14:59
o-Xylene	---		0.0050	1	08/22/2019 14:59
Xylenes	---		0.0050	1	08/22/2019 14:59

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	08/22/2019 14:59

Analyst(s): TD Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908B83
Date Received:	8/21/19 14:35	**Extraction Method:**	SW3550B
Date Prepared:	8/21/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0D	**1908B83-001A**	**Soil**	**08/20/2019 08:17**	**GC9a 08211964.D**	**183918**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**150**	5.0	5	08/22/2019 08:51

Surrogates	REC (%)	Limits	
C9	91	74-123	08/22/2019 08:51

Analyst(s): JIS

Analytical Comments: e2,e7,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908B83
Date Prepared:	8/21/19	**BatchID:**	183917
Date Analyzed:	8/21/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183917

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.13,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.092			0.1	92	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.69	0.68	0.60	114	113	82-118	0.985	20
MTBE	0.10	0.086	0.10	104	86	61-119	19.6	20
Benzene	0.085	0.087	0.10	85	87	77-128	2.54	20
Toluene	0.091	0.092	0.10	91	92	74-132	1.07	20
Ethylbenzene	0.092	0.094	0.10	92	94	84-127	1.53	20
m,p-Xylene	0.19	0.19	0.20	95	96	80-120	1.09	20
o-Xylene	0.096	0.097	0.10	96	97	80-120	0.929	20
Surrogate Recovery								
2-Fluorotoluene	0.088	0.089	0.10	88	89	75-134	0.406	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908B83
Date Prepared:	8/21/19	**BatchID:**	183918
Date Analyzed:	8/22/19	**Extraction Method:**	SW3550B
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183918

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	25			25	100	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41	42	40	103	104	75-128	0.556	30
Surrogate Recovery								
C9	24	25	25	97	98	72-122	0.805	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908B83 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/21/2019**
Date Logged: **08/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1908B83-001	Area E-S-4-5.0D	Soil	8/20/2019 08:17	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

The following SampID: 001A contains testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908B83
QC Level: LEVEL 2
Date Logged: 8/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908B83-001A	Area E-S-4-5.0D	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/20/2019 8:17	1 day		☐	
1908B83-002A	Area E-S-4-5.0E	Soil		1	Stainless Steel tube 2"x6"	☐	8/20/2019 8:23			☑	
1908B83-003A	Area E-S-4-5.0F	Soil		1	Stainless Steel tube 2"x6"	☐	8/20/2019 8:30			☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

12871

LANGAN

CHAIN OF CUSTODY RECORD

RUSH

Page 1 of 1

- [X] 135 Main 1500 94105 ~~555 Montgomery~~ Street, Suite ~~1300~~, San Francisco, CA ~~94111~~
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1908B03

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: X TPH 8/21	Silica gel clean-up	Hold	Remarks
Area E-S-4-S.0D	8/20/19	0817		X							X		X			
Area E-S-4-S.0E	↓	0823		X							X				X	
Area E-S-4-S.0F	↓	0830		X							X				X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	8/21/19	1105	LAP	8/21/19	1105
LAP	8/21/19	1435	[signature]	8.21.19	1435
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

1.2 WET

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**8/21/2019 14:35**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/21/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1908B83** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1908B83 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/21/2019

Analytical Report reviewed & approved for release on 08/23/2019 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908B83 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908B83 A

Analytical Qualifiers

S	Spike recovery outside accepted recovery limits.
c2	Surrogate recovery outside of the control limits due to matrix interference.
e2	Diesel range compounds are significant; no recognizable pattern.

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Analytical Report

Client:	Langan	**WorkOrder:**	1908B83
Date Received:	8/21/19 14:35	**Extraction Method:**	SW5035
Date Prepared:	8/22/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0E	**1908B83-002A**	**Soil**	**08/20/2019 08:23**	**GC7 08231907.D**	**183989**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/23/2019 12:42
MTBE	---	0.050	1	08/23/2019 12:42
Benzene	---	0.0050	1	08/23/2019 12:42
Toluene	---	0.0050	1	08/23/2019 12:42
Ethylbenzene	---	0.0050	1	08/23/2019 12:42
m,p-Xylene	---	0.010	1	08/23/2019 12:42
o-Xylene	---	0.0050	1	08/23/2019 12:42
Xylenes	---	0.0050	1	08/23/2019 12:42

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	58	S	62-126	08/23/2019 12:42

Analyst(s): HD Analytical Comments: c2

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	1908B83
Date Received:	8/21/19 14:35	**Extraction Method:**	SW3550B
Date Prepared:	8/22/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area E-S-4-5.0E	**1908B83-002A**	**Soil**	**08/20/2019 08:23**	**GC9a 08221978.D**	**183988**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2.3**	1.0	1	08/23/2019 11:07

Surrogates	REC (%)	Limits	
C9	92	74-123	08/23/2019 11:07

Analyst(s): JIS Analytical Comments: e2

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1908B83
Date Prepared:	8/22/19	**BatchID:**	183989
Date Analyzed:	8/23/19	**Extraction Method:**	SW5035
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183989

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.095			0.1	95	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.61	0.62	0.60	102	104	82-118	1.30	20
MTBE	0.088	0.092	0.10	88	92	61-119	5.13	20
Benzene	0.092	0.094	0.10	92	94	77-128	1.61	20
Toluene	0.098	0.10	0.10	98	100	74-132	2.05	20
Ethylbenzene	0.099	0.10	0.10	99	100	84-127	0.956	20
m,p-Xylene	0.20	0.20	0.20	99	101	80-120	1.41	20
o-Xylene	0.096	0.097	0.10	96	97	80-120	1.66	20
Surrogate Recovery								
2-Fluorotoluene	0.093	0.093	0.10	93	93	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908B83
Date Prepared:	8/22/19	**BatchID:**	183988
Date Analyzed:	8/23/19	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183988

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	25			25	102	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	41	40	101	103	75-128	1.36	30
Surrogate Recovery								
C9	26	26	25	105	105	72-122	0	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908B83 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 08/21/2019
Date Logged: 08/21/2019
Date Add-On: 08/22/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1908B83-002	Area E-S-4-5.0E	Soil	8/20/2019 08:23	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Add-On Prepared By: Kena Ponce

Comments: 002A off Hold TPH G/D added 8/22/19 RTAT

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: 002A off Hold TPH G/D added 8/22/19 RTAT

Work Order: 1908B83
QC Level: LEVEL 2
Date Logged: 8/21/2019
Date Add-On: 8/22/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908B83-002A	Area E-S-4-5.0E	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	8/20/2019 8:23	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

12871

LANGAN

CHAIN OF CUSTODY RECORD

RUSH

Page 1 of 1

[X] 555 Montgomery Street, Suite 1300, San Francisco, CA 94111 — 135 Main, 1500, 94105
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1908B03

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	TPH g/d 8/22/19														Silica gel clean-up	Hold	Remarks
Area E-S-4-S.0D	8/20/19	0817		X							X		X															
Area E-S-4-S.0E	↓	0823		X							X			X														X	
Area E-S-4-S.0F	↓	0830		X							X																	X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	8/21/19	1105	LAP	8/21/19	1105
LAP	8/21/19	1435	[signature]	8.21.19	1435
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 1.2 WET

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902251 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902251
Date Received:	2/6/19 14:35	**Extraction Method:**	SW1311/SW3010
Date Prepared:	2/11/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-1-5.0	1902251-001A	Soil	02/06/2019 09:05	ICP-MS3 079SMPL.D	172842

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	02/12/2019 20:45

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-4-4.0	1902251-004A	Soil	02/06/2019 13:25	ICP-MS3 080SMPL.D	172842

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	02/12/2019 20:51

Analyst(s): MIG

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902251
Date Prepared:	2/11/19	**BatchID:**	172842
Date Analyzed:	2/12/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172842

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.6	9.5	10	96	95	75-125	0.630	20

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902251 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: 02/06/2019
Date Logged: 02/06/2019
Date Add-On: 02/11/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902251-001	Area A-B-1-5.0	Soil	2/6/2019 09:05	☐	A	A										
1902251-004	Area A-S-4-4.0	Soil	2/6/2019 13:25	☐	A	A										

Test Legend:

1	PBMS_STLC_S	2	PBMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Nancy Palacios

Add-On Prepared By: Maria Venegas

Comments: STLC & TCLP Pb added to 001,004 2/11/19 Rush.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC & TCLP Pb added to 001,004 2/11/19 Rush.

Work Order: 1902251
QC Level: LEVEL 2
Date Logged: 2/6/2019
Date Add-On: 2/11/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902251-001A	Area A-B-1-5.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	2/6/2019 9:05	1 day*		☐	
			SW6020 (Lead) (STLC)				1 day*		☐	
1902251-004A	Area A-S-4-4.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	2/6/2019 13:25	1 day*		☐	
			SW6020 (Lead) (STLC)				1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902251 13100

LANGAN

CHAIN OF CUSTODY RECORD

RUSH

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- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland/Rob Milano
Samplers: Rob Milano
Recorder (Signature Required):

Turnaround Time: 24 Hr

Field Sample Identification No.	Date (per CM 2-5-19)	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Total lead	STLC Pb	TCLP Pb	Silica gel clean-up	Hold	Remarks
* A-B-1-5.25.0	2-6-19	0905		X							X	X	X	X			
Area A-B-2-5.25.0		1130		X							X	X					
Area A-S-3-4.0		1030		X							X	X					
Area A-S-4-4.0		1325		X							X	X	X	X			

Relinquished by: (Signature)	Date: 2-6-19	Time 1340	Received by: (Signature)	Date 2/6/19 Time 1340
Relinquished by: (Signature)	Date: 2/6/19	Time 1435	Received by: (Signature) Nancy Palacios	Date 2.6.19 Time 1435
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

Sent to Laboratory (Name): McCampbell
Laboratory Comments/Notes: Added 2/11/19 RUSH

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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4 days WET COC Number:

* changed per client email 2.6.19 np.

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1902251 **Amended:** 02/08/2019

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/06/2019

Analytical Report reviewed & approved for release on 02/07/2019 by:

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902251

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902251
Date Received:	2/6/19 14:35	**Extraction Method:**	SW3050B
Date Prepared:	2/6/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-1-5.0	1902251-001A	Soil	02/06/2019 09:05	ICP-MS1 241SMPL.D	172586

Analytes	Result	RL	DF	Date Analyzed
Lead	**110**	0.50	1	02/07/2019 09:35

Surrogates	REC (%)	Limits	
Terbium	96	70-130	02/07/2019 09:35

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-2-5.0	1902251-002A	Soil	02/06/2019 11:30	ICP-MS1 242SMPL.D	172586

Analytes	Result	RL	DF	Date Analyzed
Lead	**26**	0.50	1	02/07/2019 09:41

Surrogates	REC (%)	Limits	
Terbium	99	70-130	02/07/2019 09:41

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-3-4.0	1902251-003A	Soil	02/06/2019 10:30	ICP-MS1 243SMPL.D	172586

Analytes	Result	RL	DF	Date Analyzed
Lead	**25**	0.50	1	02/07/2019 09:47

Surrogates	REC (%)	Limits	
Terbium	100	70-130	02/07/2019 09:47

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-S-4-4.0	1902251-004A	Soil	02/06/2019 13:25	ICP-MS1 244SMPL.D	172586

Analytes	Result	RL	DF	Date Analyzed
Lead	**170**	0.50	1	02/07/2019 09:53

Surrogates	REC (%)	Limits	
Terbium	104	70-130	02/07/2019 09:53

Analyst(s): JC

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902251
Date Prepared:	2/6/19	**BatchID:**	172586
Date Analyzed:	2/7/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172586

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	49	49	50	98	97	75-125	1.19	20
Surrogate Recovery								
Terbium	500	510	500	100	101	70-130	0.635	20

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902251 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: rmilano@Langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/06/2019**
Date Logged: **02/06/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1902251-001	Area A-B-1-5.0	Soil	2/6/2019 09:05	☐	A											
1902251-002	Area A-B-2-5.0	Soil	2/6/2019 11:30	☐	A											
1902251-003	Area A-S-3-4.0	Soil	2/6/2019 10:30	☐	A											
1902251-004	Area A-S-4-4.0	Soil	2/6/2019 13:25	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Nancy Palacios

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1902251
QC Level: LEVEL 2
Date Logged: 2/6/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902251-001A	Area A-B-1-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/6/2019 9:05	1 day		☐	
1902251-002A	Area A-B-2-5.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/6/2019 11:30	1 day		☐	
1902251-003A	Area A-S-3-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/6/2019 10:30	1 day		☐	
1902251-004A	Area A-S-4-4.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/6/2019 13:25	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902251 13100

LANGAN

CHAIN OF CUSTODY RECORD

RUSH

Page 1 of 1

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

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland/Rob Milano
Samplers: Rob Milano
Recorder (Signature Required):

Turnaround Time: 24 hr

Field Sample Identification No.	Date (PARM 2.5.19)	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total lead	Silica gel clean-up	Hold	Remarks
* AREA A-B-1-5.25.0	2-6-19	0905		X							X		X			
Area A-B-2-5.25.0		1135		X							X		X			
Area A-S-3-4.0		1030		X							X		X			
Area A-S-4-4.0		1325		X							X		X			

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	2-6-19	1340		2/6/19	1340
	2/6/19	1435	Nancy Palacios	2.6.19	1435
			Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field 4.8 WET COC Number:

* changed per client email 2.6.19 np.

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**2/6/2019 14:35**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**2/6/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1902251** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.8°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1902442

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/08/2019

Analytical Report reviewed & approved for release on 02/11/2019 by:

Christine Askari
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902442

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902442

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9	No recognizable pattern
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

Quality Control Qualifiers

F16	RawVal < LQL.

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	2/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-B-1-3.0	**1902442-001A**	**Soil**	**02/08/2019 10:00**	**GC19 02081924.D**	**172746**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**5.6**	1.0	1	02/09/2019 01:46
MTBE	---	0.050	1	02/09/2019 01:46
Benzene	---	0.0050	1	02/09/2019 01:46
Toluene	---	0.0050	1	02/09/2019 01:46
Ethylbenzene	---	0.0050	1	02/09/2019 01:46
m,p-Xylene	---	0.010	1	02/09/2019 01:46
o-Xylene	---	0.0050	1	02/09/2019 01:46
Xylenes	---	0.0050	1	02/09/2019 01:46

Surrogates	REC (%)	Limits	
2-Fluorotoluene	66	62-126	02/09/2019 01:46

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1-2.0	**1902442-002A**	**Soil**	**02/08/2019 10:15**	**GC19 02081925.D**	**172746**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**4.7**	1.0	1	02/09/2019 02:16
MTBE	---	0.050	1	02/09/2019 02:16
Benzene	---	0.0050	1	02/09/2019 02:16
Toluene	---	0.0050	1	02/09/2019 02:16
Ethylbenzene	---	0.0050	1	02/09/2019 02:16
m,p-Xylene	---	0.010	1	02/09/2019 02:16
o-Xylene	---	0.0050	1	02/09/2019 02:16
Xylenes	---	0.0050	1	02/09/2019 02:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	02/09/2019 02:16

Analyst(s): IA Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	2/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-3-4.5	**1902442-003A**	**Soil**	**02/08/2019 13:00**	**GC19 02081927.D**	**172746**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**2.7**	1.0	1	02/09/2019 03:16
MTBE	---	0.050	1	02/09/2019 03:16
Benzene	---	0.0050	1	02/09/2019 03:16
Toluene	---	0.0050	1	02/09/2019 03:16
Ethylbenzene	---	0.0050	1	02/09/2019 03:16
m,p-Xylene	---	0.010	1	02/09/2019 03:16
o-Xylene	---	0.0050	1	02/09/2019 03:16
Xylenes	---	0.0050	1	02/09/2019 03:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	78	62-126	02/09/2019 03:16

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-2-4.5	**1902442-004A**	**Soil**	**02/08/2019 12:50**	**GC19 02081929.D**	**172746**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**4.2**	1.0	1	02/09/2019 04:16
MTBE	---	0.050	1	02/09/2019 04:16
Benzene	---	0.0050	1	02/09/2019 04:16
Toluene	---	0.0050	1	02/09/2019 04:16
Ethylbenzene	---	0.0050	1	02/09/2019 04:16
m,p-Xylene	---	0.010	1	02/09/2019 04:16
o-Xylene	---	0.0050	1	02/09/2019 04:16
Xylenes	---	0.0050	1	02/09/2019 04:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	69	62-126	02/09/2019 04:16

Analyst(s): IA Analytical Comments: d7

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW5030B
Date Prepared:	2/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-1-4.5	**1902442-005A**	**Soil**	**02/08/2019 12:45**	**GC19 02081926.D**	**172746**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**180**	10	10	02/09/2019 02:46
MTBE	---	0.50	10	02/09/2019 02:46
Benzene	---	0.050	10	02/09/2019 02:46
Toluene	---	0.050	10	02/09/2019 02:46
Ethylbenzene	---	0.050	10	02/09/2019 02:46
m,p-Xylene	---	0.10	10	02/09/2019 02:46
o-Xylene	---	0.050	10	02/09/2019 02:46
Xylenes	---	0.050	10	02/09/2019 02:46

Surrogates	REC (%)	Limits	
aaa-TFT	90	72-123	02/09/2019 02:46

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW3050B
Date Prepared:	2/8/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1-2.0	**1902442-002A**	**Soil**	**02/08/2019 10:15**	**ICP-MS3 058SMPL.D**	**172748**

Analytes	Result	RL	DF	Date Analyzed
Lead	**67**	0.50	1	02/11/2019 14:35

Surrogates	REC (%)	Limits	
Terbium	103	70-130	02/11/2019 14:35

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW3550B
Date Prepared:	2/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-B-1-3.0	1902442-001A	Soil	02/08/2019 10:00	GC6B 02081957.D	172686

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**19**	5.0	5	02/09/2019 08:24

Surrogates	REC (%)	Limits	
C9	81	74-123	02/09/2019 08:24

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1-2.0	1902442-002A	Soil	02/08/2019 10:15	GC9a 02111914.D	172686

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**100**	10	10	02/11/2019 14:40

Surrogates	REC (%)	Limits	
C9	100	74-123	02/11/2019 14:40

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-3-4.5	1902442-003A	Soil	02/08/2019 13:00	GC6A 02081950.D	172686

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**6.7**	1.0	1	02/09/2019 05:48

Surrogates	REC (%)	Limits	
C9	95	74-123	02/09/2019 05:48

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-2-4.5	1902442-004A	Soil	02/08/2019 12:50	GC6A 02081958.D	172763

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**12**	5.0	5	02/09/2019 08:24

Surrogates	REC (%)	Limits	
C9	96	74-123	02/09/2019 08:24

Analyst(s): JIS Analytical Comments: e7,e2

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW3550B
Date Prepared:	2/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-1-4.5	**1902442-005A**	**Soil**	**02/08/2019 12:45**	**GC9b 02111917.D**	**172763**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**470**	50	50	02/11/2019 15:58

Surrogates	REC (%)	Limits	
C9	105	74-123	02/11/2019 15:58

Analyst(s): JIS Analytical Comments: e7,e2,e8

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/8/19	**BatchID:**	172746
Date Analyzed:	2/9/19	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172746

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.13,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Xylenes	ND	N/A	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.090			0.10	90	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.59	0.59	0.60	98	98	82-118	0	20
MTBE	0.084	0.087	0.10	84	87	61-119	4.27	20
Benzene	0.088	0.088	0.10	88	88	77-128	0	20
Toluene	0.091	0.091	0.10	91	91	74-132	0	20
Ethylbenzene	0.091	0.091	0.10	91	91	84-127	0	20
m,p-Xylene	0.19	0.19	0.20	94	94	80-120	0	20
o-Xylene	0.094	0.094	0.10	94	94	80-120	0	20
Xylenes	0.28	0.28	0.30	94	94	86-129	0	20
Surrogate Recovery								
2-Fluorotoluene	0.088	0.087	0.10	88	87	75-134	0.549	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/8/19	**BatchID:**	172748
Date Analyzed:	2/11/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172748

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	51	51	50	102	101	75-125	0.0985	20
Surrogate Recovery								
Terbium	510	510	500	102	101	70-130	0.433	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/7/19 - 2/8/19	**BatchID:**	172686
Date Analyzed:	2/9/19 - 2/11/19	**Extraction Method:**	SW3550B
Instrument:	GC6B, GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172686

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.86	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.5	5.0	-	-	-
Surrogate Recovery						
C9	24			25	95	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	37	36	40	92	91	75-128	23.0	30
Surrogate Recovery								
C9	23	23	25	91	90	72-122	12.7	30

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/8/19	**BatchID:**	172763
Date Analyzed:	2/9/19 - 2/11/19	**Extraction Method:**	SW3550B
Instrument:	GC6A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172763 1902442-004AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.86	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.5	5.0	-	-	-
Surrogate Recovery						
C9	22			25	89	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	32	31	40	80	78	75-128	1.61	30
Surrogate Recovery								
C9	22	22	25	89	88	72-122	0.837	30

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	5	40	44	40	11.59	NR,F16	82	71-134	NR	30
Surrogate Recovery										
C9	5	24	24	25		96	96	78-126	0	30

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902442 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/08/2019**
Date Logged: **02/08/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902442-001	Area C-B-1-3.0	Soil	2/8/2019 10:00	☐	A		A									
1902442-002	Area C-S-1-2.0	Soil	2/8/2019 10:15	☐	A	A	A									
1902442-003	Area G-S-3-4.5	Soil	2/8/2019 13:00	☐	A		A									
1902442-004	Area G-S-2-4.5	Soil	2/8/2019 12:50	☐	A		A									
1902442-005	Area G-S-1-4.5	Soil	2/8/2019 12:45	☐	A		A									

Test Legend:

1	G-MBTEX_S	2	PBMS_TTLC_S	3	TPH(D)_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 731685405; 1548 Maple Street **Work Order:** 1902442
Client Contact: Dustyne Sutherland **QC Level:** LEVEL 2
Contact's Email: dsutherland@langan.com **Comments:** **Date Logged:** 2/8/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902442-001A	Area C-B-1-3.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/8/2019 10:00	1 day		☐	
1902442-002A	Area C-S-1-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	2/8/2019 10:15	1 day		☐	
			Multi-Range TPH(g,d,mo)			☐		1 day		☐	
1902442-003A	Area G-S-3-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/8/2019 13:00	1 day		☐	
1902442-004A	Area G-S-2-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/8/2019 12:50	1 day		☐	
1902442-005A	Area G-S-1-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/8/2019 12:45	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902442

13096

RUSH! PLZ cc: gstafford@langan.com

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of ____

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

Site Name: 1548 Maple Street

Job Number: 731665405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH d/g	Lead	Silica gel clean-up	Hold	Remarks
Area C-B-1-3.0	2/8/19	1000		X							X	X				
Area C-S-1-2.0	2/8/19	1015										X	X			
Area G-S-3-4.5		1300										X				
Area G-S-2-4.5		1240										X				
Area G-S-1-4.5		1245										X				

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	2/8/19	1310	[signature]	2/8/19	1310
[signature]	2/8/19	1700	[signature]	2/8/19	1700
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time
					Origin

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

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

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Langan**
Project: **731685405; 1548 Maple Street**

WorkOrder №: **1902442** Matrix: Soil
Carrier: Benjamin Yslas (MAI Courier)

Date and Time Received: **2/8/2019 17:00**
Date Logged: **2/8/2019**
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.6°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1902442 A

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/08/2019

Analytical Report reviewed & approved for release on 02/15/2019 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902442 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	CA Title 22
Date Prepared:	2/12/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1-2.0	**1902442-002A**	**Soil**	**02/08/2019 10:15**	**ICP-MS3 025SMPL.D**	**172929**

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.5**	0.10	1	02/14/2019 21:57

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/12/19	**BatchID:**	172929
Date Analyzed:	2/14/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172929

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.3	9.8	10	93	98	75-125	4.72	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902442 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/08/2019**
Date Logged: **02/08/2019**
Date Add-On: **02/12/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1902442-002	Area C-S-1-2.0	Soil	2/8/2019 10:15	☐	A											

Test Legend:

1	PBMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC Pb added to 002 2/12/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC Pb added to 002 2/12/19 Rush TAT.

Work Order: 1902442
QC Level: LEVEL 2
Date Logged: 2/8/2019
Date Add-On: 2/12/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902442-002A	Area C-S-1-2.0	Soil	SW6020 (Lead) (STLC)	1	Stainless Steel tube 2"x6"	2/8/2019 10:15	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902442

13096

RUSH!

plz cc: gstafford@langan.com

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of ____

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

Site Name: 1548 Maple Street

Job Number: 731665405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH d/g	Lead	Stlc Pb												Silica gel clean-up	Hold	Remarks
Area C-B-1-3.0	2/8/19	1000		X							X		X															
Area C-S-1-2.0	2/8/19	1015											X	X	X													
Area G-S-3-4.5		1300											X															
Area G-S-2-4.5		1250											X															
Area G-S-1-4.5		1245											X															

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	2/8/19	1310	[signature]	2/8/19	1310
[signature]	2/8/19	1700	[signature]	2/8/19	1700
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time
					Original

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

Added 2/12/19 RUSH

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

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1902442 B

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/08/2019

Analytical Report reviewed & approved for release on 02/20/2019 by:

Susan Thompson
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902442 B

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902442
Date Received:	2/8/19 17:00	**Extraction Method:**	SW1311/SW3010
Date Prepared:	2/18/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area C-S-1-2.0	**1902442-002A**	**Soil**	**02/08/2019 10:15**	**ICP-MS2 083SMPL.D**	**173179**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	02/19/2019 21:28

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902442
Date Prepared:	2/18/19	**BatchID:**	173179
Date Analyzed:	2/19/19	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173179 1902442-002AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.2	9.1	10	92	91	75-125	0.635	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	9.2	9.2	10	ND	92	92	75-125	0	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	ND<0.50	ND	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902442 B **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/08/2019**
Date Logged: **02/08/2019**
Date Add-On: **02/15/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1902442-002	Area C-S-1-2.0	Soil	2/8/2019 10:15	☐	A											

Test Legend:

1	PBMS_TCLP_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC Pb added to 002 2/12/19 Rush TAT. TCLP Pb added to 002 2/15/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC Pb added to 002 2/12/19 Rush TAT. TCLP Pb added to 002 2/15/19 Rush TAT.

Work Order: 1902442
QC Level: LEVEL 2
Date Logged: 2/8/2019
Date Add-On: 2/15/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902442-002A	Area C-S-1-2.0	Soil	SW6020 (Lead) (TCLP)	1	Stainless Steel tube 2"x6"	2/8/2019 10:15	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1902442

13096

RUSH! PLZ cc: gstafford@langan.com

LANGAN CHAIN OF CUSTODY RECORD

Page 1 of ____

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

Site Name: 1548 Maple Street
Job Number: 731665405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH d/g	Lead	STLC Pb	TCLP Pb													Silica gel clean-up	Hold	Remarks
Area C-B-1-3.0	2/8/19	1000		X							X		X																
Area C-S-1-2.0	2/8/19	1015											X	X	X	X														
Area G-S-3-4.5		1300											X																	
Area G-S-2-4.5		1250											X																	
Area G-S-1-4.5		1245											X																	

Relinquished by: (Signature) [signature]	Date: 2/8/19	Time 1310	Received by: (Signature) [signature]	Date 2/8/19	Time 1310
Relinquished by: (Signature) [signature]	Date: 2/8/19	Time 1700	Received by: (Signature) [signature]	Date 2/8/19	Time 1700
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time Original

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

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

Added 2/12/19 RUSH

COC Number:

Added 2/15/19 RUSH

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1902669

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/13/2019

Analytical Report reviewed & approved for release on 02/14/2019 by:

Heidi Fruhlinger
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902669

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902669

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	Diesel range compounds are significant; no recognizable pattern
e7	Oil range compounds are significant
e8	Pattern resembles kerosene/kerosene range/jet fuel range

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Analytical Report

Client:	Langan	**WorkOrder:**	1902669
Date Received:	2/13/19 16:20	**Extraction Method:**	SW5030B
Date Prepared:	2/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-B-1-5.0	**1902669-001A**	**Soil**	**02/13/2019 08:00**	**GC3 02141909.D**	**172941**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**100**	10	10	02/14/2019 15:48
MTBE	---	0.50	10	02/14/2019 15:48
Benzene	---	0.050	10	02/14/2019 15:48
Toluene	---	0.050	10	02/14/2019 15:48
Ethylbenzene	---	0.050	10	02/14/2019 15:48
m,p-Xylene	---	0.10	10	02/14/2019 15:48
o-Xylene	---	0.050	10	02/14/2019 15:48
Xylenes	---	0.050	10	02/14/2019 15:48

Surrogates	REC (%)	Limits	
aaa-TFT	85	72-123	02/14/2019 15:48

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-1A-4.5	**1902669-002A**	**Soil**	**02/13/2019 08:15**	**GC3 02141908.D**	**172941**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.6**	1.0	1	02/14/2019 15:16
MTBE	---	0.050	1	02/14/2019 15:16
Benzene	---	0.0050	1	02/14/2019 15:16
Toluene	---	0.0050	1	02/14/2019 15:16
Ethylbenzene	---	0.0050	1	02/14/2019 15:16
m,p-Xylene	---	0.010	1	02/14/2019 15:16
o-Xylene	---	0.0050	1	02/14/2019 15:16
Xylenes	---	0.0050	1	02/14/2019 15:16

Surrogates	REC (%)	Limits	
2-Fluorotoluene	77	62-126	02/14/2019 15:16

Analyst(s): IA

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902669
Date Received:	2/13/19 16:20	**Extraction Method:**	SW5030B
Date Prepared:	2/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-4-4.5	1902669-003A	Soil	02/13/2019 08:25	GC3 02141907.D	172941

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	02/14/2019 14:43
MTBE	---	0.050	1	02/14/2019 14:43
Benzene	---	0.0050	1	02/14/2019 14:43
Toluene	---	0.0050	1	02/14/2019 14:43
Ethylbenzene	---	0.0050	1	02/14/2019 14:43
m,p-Xylene	---	0.010	1	02/14/2019 14:43
o-Xylene	---	0.0050	1	02/14/2019 14:43
Xylenes	---	0.0050	1	02/14/2019 14:43

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	02/14/2019 14:43

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-5-4.5	1902669-004A	Soil	02/13/2019 08:30	GC19 02131945.D	172941

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	02/14/2019 12:07
MTBE	---	0.050	1	02/14/2019 12:07
Benzene	---	0.0050	1	02/14/2019 12:07
Toluene	---	0.0050	1	02/14/2019 12:07
Ethylbenzene	---	0.0050	1	02/14/2019 12:07
m,p-Xylene	---	0.010	1	02/14/2019 12:07
o-Xylene	---	0.0050	1	02/14/2019 12:07
Xylenes	---	0.0050	1	02/14/2019 12:07

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	02/14/2019 12:07

Analyst(s): IA

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902669
Date Received:	2/13/19 16:20	**Extraction Method:**	SW5030B
Date Prepared:	2/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-6-4.5	**1902669-005A**	**Soil**	**02/13/2019 08:35**	**GC19 02131946.D**	**172941**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	02/14/2019 12:38
MTBE	---	0.050	1	02/14/2019 12:38
Benzene	---	0.0050	1	02/14/2019 12:38
Toluene	---	0.0050	1	02/14/2019 12:38
Ethylbenzene	---	0.0050	1	02/14/2019 12:38
m,p-Xylene	---	0.010	1	02/14/2019 12:38
o-Xylene	---	0.0050	1	02/14/2019 12:38
Xylenes	---	0.0050	1	02/14/2019 12:38

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	02/14/2019 12:38

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1902669
Date Received:	2/13/19 16:20	**Extraction Method:**	SW3550B
Date Prepared:	2/13/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-B-1-5.0	**1902669-001A**	**Soil**	**02/13/2019 08:00**	**GC11B 02141913.D**	**172993**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**540**	50	50	02/14/2019 14:23

Surrogates	REC (%)	Limits	
C9	103	74-123	02/14/2019 14:23

Analyst(s): JIS Analytical Comments: e7,e2,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-1A-4.5	**1902669-002A**	**Soil**	**02/13/2019 08:15**	**GC11A 02141916.D**	**172993**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**16**	5.0	5	02/14/2019 15:02

Surrogates	REC (%)	Limits	
C9	89	74-123	02/14/2019 15:02

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-4-4.5	**1902669-003A**	**Soil**	**02/13/2019 08:25**	**GC11A 02141910.D**	**172993**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**9.1**	1.0	1	02/14/2019 13:07

Surrogates	REC (%)	Limits	
C9	97	74-123	02/14/2019 13:07

Analyst(s): JIS Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-5-4.5	**1902669-004A**	**Soil**	**02/13/2019 08:30**	**GC11A 02141914.D**	**172993**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**22**	10	10	02/14/2019 14:23

Surrogates	REC (%)	Limits	
C9	89	74-123	02/14/2019 14:23

Analyst(s): JIS Analytical Comments: e7,e2

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1902669
Date Received:	2/13/19 16:20	**Extraction Method:**	SW3550B
Date Prepared:	2/13/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area G-S-6-4.5	**1902669-005A**	**Soil**	**02/13/2019 08:35**	**GC11B 02141909.D**	**172993**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**19**	5.0	5	02/14/2019 13:07

Surrogates	REC (%)	Limits	
C9	90	74-123	02/14/2019 13:07

Analyst(s): JIS

Analytical Comments: e7,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902669
Date Prepared:	2/12/19	**BatchID:**	172941
Date Analyzed:	2/13/19	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172941

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.097,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Xylenes	ND	N/A	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.082			0.10	82	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.54	0.53	0.60	90	88	82-118	2.69	20
MTBE	0.096	0.10	0.10	96	100	61-119	4.12	20
Benzene	0.12	0.11	0.10	115	114	77-128	0.844	20
Toluene	0.12	0.12	0.10	115	118	74-132	2.23	20
Ethylbenzene	0.10	0.11	0.10	103	107	84-127	3.38	20
m,p-Xylene	0.22	0.23	0.20	111	116	80-120	3.91	20
o-Xylene	0.10	0.11	0.10	104	106	80-120	2.12	20
Xylenes	0.33	0.34	0.30	109	112	86-129	3.35	20
Surrogate Recovery								
2-Fluorotoluene	0.084	0.085	0.10	84	85	75-134	1.07	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902669
Date Prepared:	2/13/19	**BatchID:**	172993
Date Analyzed:	2/14/19	**Extraction Method:**	SW3550B
Instrument:	GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-172993

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.86	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.5	5.0	-	-	-
Surrogate Recovery						
C9	24			25	95	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	43	42	40	106	105	75-128	1.57	30
Surrogate Recovery								
C9	24	24	25	95	95	72-122	0	30

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902669 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party:
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **02/13/2019**
Date Logged: **02/13/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902669-001	Area G-B-1-5.0	Soil	2/13/2019 08:00	☐	A	A										
1902669-002	Area G-S-1A-4.5	Soil	2/13/2019 08:15	☐	A	A										
1902669-003	Area G-S-4-4.5	Soil	2/13/2019 08:25	☐	A	A										
1902669-004	Area G-S-5-4.5	Soil	2/13/2019 08:30	☐	A	A										
1902669-005	Area G-S-6-4.5	Soil	2/13/2019 08:35	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(D)_S	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius **Prepared by: Nancy Palacios**

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1902669
QC Level: LEVEL 2
Date Logged: 2/13/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902669-001A	Area G-B-1-5.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/13/2019 8:00	1 day		☐	
1902669-002A	Area G-S-1A-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/13/2019 8:15	1 day		☐	
1902669-003A	Area G-S-4-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/13/2019 8:25	1 day		☐	
1902669-004A	Area G-S-5-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/13/2019 8:30	1 day		☐	
1902669-005A	Area G-S-6-4.5	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	2/13/2019 8:35	1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

RUSH!

1902669 11196

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 555 Montgomery Street. Suite 1300, San Francisco, CA 94111
- [ ] 501 14th Street, Third Floor, Oakland CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 4030 Moorpark Ave. Suite 210, San Jose, CA 95117-1849

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: 24 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH 5/d						Silica gel clean-up	Hold	Remarks
Area G-B-1-5.0	2/13/19	0800		X							X		X								
Area G-S-1A-4.5	2/13/19	0815		↓							↓		↓								
Area G-S-4-4.5	↓	0825																			
Area G-S-5-4.5		0830																			
Area G-S-6-4.5		0835																			

Relinquished by: (Signature)	Date: 2/13/19	Time 1100	Received by: (Signature)	Date 2/13/19	Time 1100
Relinquished by: (Signature)	Date: 2/13/19	Time 1620	Received by: (Signature) Nancy Palacios	Date 2/13/19	Time 1620
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

2.1 NET

COC Number:

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**2/13/2019 16:20**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**2/13/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1902669** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.1°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1904787

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 04/16/2019

Analytical Report reviewed & approved for release on 04/22/2019 by:

Heidi Fruhlinger
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1904787

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1904787
Date Received:	4/16/19 17:20	**Extraction Method:**	SW3050B
Date Prepared:	4/16/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-B-1-6.0	**1904787-001A**	**Soil**	**04/15/2019 08:35**	**ICP-MS3 089SMPL.D**	**176365**

Analytes	Result	RL	DF	Date Analyzed
Lead	**31**	0.50	1	04/17/2019 17:25

Surrogates	REC (%)	Limits	
Terbium	113	70-130	04/17/2019 17:25

Analyst(s): MIG

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Quality Control Report

Client:	Langan	**WorkOrder:**	1904787
Date Prepared:	4/16/19	**BatchID:**	176365
Date Analyzed:	4/17/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-176365

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	520			500	104	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	51	50	50	102	100	75-125	1.74	20
Surrogate Recovery								
Terbium	530	510	500	105	101	70-130	3.66	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1904787 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT:

Date Received: **04/16/2019**
Date Logged: **04/16/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1904787-001	Area A-B-1-6.0	Soil	4/15/2019 08:35	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Angela Rydelius

Prepared by: Nancy Palacios

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1904787
QC Level: LEVEL 2
Date Logged: 4/16/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1904787-001A	Area A-B-1-6.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	4/15/2019 8:35	5 days		☐	
1904787-002A	1	Soil		1	Stainless Steel tube 2"x6"	☐	4/15/2019 9:14			☑	
1904787-003A	2	Soil		1	Stainless Steel tube 2"x6"	☐	4/15/2019 9:15			☑	
1904787-004A	3	Soil		1	Stainless Steel tube 2"x6"	☐	4/15/2019 9:43			☑	
1904787-005A	4	Soil		1	Stainless Steel tube 2"x6"	☐	4/15/2019 9:46			☑	
1904787-006A	5	Soil		1	Stainless Steel tube 2"x6"	☐	4/15/2019 11:00			☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1904707 13319

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

135 Main Street, Suite 1500, San Francisco, CA 94105
~~555 Montgomery Street~~, Suite ~~1300~~, San Francisco, CA ~~94111~~
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total lead												Silica gel clean-up	Hold	Remarks
Area A-B-1-6.0	4/15/19	0835		X							X		X													
1		0914																							X	
2		0915																							X	
3		0943																							X	
4		0946																							X	
5		1100																							X	

Relinquished by: (Signature)	Date: 4/16/19	Time 1200	Received by: (Signature) CAP	Date 4/16/19 Time 1200
Relinquished by: (Signature) CAP	Date: 4/16/19	Time 1720	Received by: (Signature)	Date 4.16.19 Time 1720
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 2.8 WET

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**4/16/2019 17:20**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**4/16/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1904787** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2.8°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906058

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/03/2019

Analytical Report reviewed & approved for release on 06/07/2019 by:

Yen Cao

Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906058

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906058

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
e8	Pattern resembles kerosene/kerosene range/jet fuel range.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5030B
Date Prepared:	6/4/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906058-006B	Water	05/31/2019 08:50	GC18 06041916.D	178976

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	06/04/2019 16:39
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/04/2019 16:39
Benzene	ND	0.50	1	06/04/2019 16:39
Bromobenzene	ND	0.50	1	06/04/2019 16:39
Bromochloromethane	ND	0.50	1	06/04/2019 16:39
Bromodichloromethane	ND	0.50	1	06/04/2019 16:39
Bromoform	ND	0.50	1	06/04/2019 16:39
Bromomethane	ND	0.50	1	06/04/2019 16:39
2-Butanone (MEK)	ND	5.0	1	06/04/2019 16:39
t-Butyl alcohol (TBA)	ND	5.0	1	06/04/2019 16:39
n-Butyl benzene	ND	0.50	1	06/04/2019 16:39
sec-Butyl benzene	ND	0.50	1	06/04/2019 16:39
tert-Butyl benzene	ND	0.50	1	06/04/2019 16:39
Carbon Disulfide	ND	0.50	1	06/04/2019 16:39
Carbon Tetrachloride	ND	0.50	1	06/04/2019 16:39
Chlorobenzene	ND	0.50	1	06/04/2019 16:39
Chloroethane	ND	0.50	1	06/04/2019 16:39
Chloroform	ND	0.50	1	06/04/2019 16:39
Chloromethane	ND	0.50	1	06/04/2019 16:39
2-Chlorotoluene	ND	0.50	1	06/04/2019 16:39
4-Chlorotoluene	ND	0.50	1	06/04/2019 16:39
Dibromochloromethane	ND	0.50	1	06/04/2019 16:39
1,2-Dibromo-3-chloropropane	ND	0.20	1	06/04/2019 16:39
1,2-Dibromoethane (EDB)	ND	0.50	1	06/04/2019 16:39
Dibromomethane	ND	0.50	1	06/04/2019 16:39
1,2-Dichlorobenzene	ND	0.50	1	06/04/2019 16:39
1,3-Dichlorobenzene	ND	0.50	1	06/04/2019 16:39
1,4-Dichlorobenzene	ND	0.50	1	06/04/2019 16:39
Dichlorodifluoromethane	ND	0.50	1	06/04/2019 16:39
1,1-Dichloroethane	ND	0.50	1	06/04/2019 16:39
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	06/04/2019 16:39
1,1-Dichloroethene	ND	0.50	1	06/04/2019 16:39
cis-1,2-Dichloroethene	ND	0.50	1	06/04/2019 16:39
trans-1,2-Dichloroethene	ND	0.50	1	06/04/2019 16:39
1,2-Dichloropropane	ND	0.50	1	06/04/2019 16:39
1,3-Dichloropropane	ND	0.50	1	06/04/2019 16:39
2,2-Dichloropropane	ND	0.50	1	06/04/2019 16:39

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client: Langan
Date Received: 6/3/19 16:50
Date Prepared: 6/4/19
Project: 731685405; 1548 Maple Street

WorkOrder: 1906058
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906058-006B	Water	05/31/2019 08:50	GC18 06041916.D	178976

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	06/04/2019 16:39
cis-1,3-Dichloropropene	ND	0.50	1	06/04/2019 16:39
trans-1,3-Dichloropropene	ND	0.50	1	06/04/2019 16:39
Diisopropyl ether (DIPE)	ND	0.50	1	06/04/2019 16:39
Ethylbenzene	ND	0.50	1	06/04/2019 16:39
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/04/2019 16:39
Freon 113	ND	0.50	1	06/04/2019 16:39
Hexachlorobutadiene	ND	0.50	1	06/04/2019 16:39
Hexachloroethane	ND	0.50	1	06/04/2019 16:39
2-Hexanone	ND	1.0	1	06/04/2019 16:39
Isopropylbenzene	ND	0.50	1	06/04/2019 16:39
4-Isopropyl toluene	ND	0.50	1	06/04/2019 16:39
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/04/2019 16:39
Methylene chloride	ND	2.0	1	06/04/2019 16:39
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	06/04/2019 16:39
Naphthalene	ND	1.0	1	06/04/2019 16:39
n-Propyl benzene	ND	0.50	1	06/04/2019 16:39
Styrene	ND	2.0	1	06/04/2019 16:39
1,1,1,2-Tetrachloroethane	ND	0.50	1	06/04/2019 16:39
1,1,2,2-Tetrachloroethane	ND	0.50	1	06/04/2019 16:39
Tetrachloroethene	ND	0.50	1	06/04/2019 16:39
Toluene	ND	0.50	1	06/04/2019 16:39
1,2,3-Trichlorobenzene	ND	0.50	1	06/04/2019 16:39
1,2,4-Trichlorobenzene	ND	0.50	1	06/04/2019 16:39
1,1,1-Trichloroethane	ND	0.50	1	06/04/2019 16:39
1,1,2-Trichloroethane	ND	0.50	1	06/04/2019 16:39
Trichloroethene	ND	0.50	1	06/04/2019 16:39
Trichlorofluoromethane	ND	0.50	1	06/04/2019 16:39
1,2,3-Trichloropropane	ND	0.50	1	06/04/2019 16:39
1,2,4-Trimethylbenzene	ND	0.50	1	06/04/2019 16:39
1,3,5-Trimethylbenzene	ND	0.50	1	06/04/2019 16:39
Vinyl Chloride	ND	0.50	1	06/04/2019 16:39
m,p-Xylene	ND	0.50	1	06/04/2019 16:39
o-Xylene	ND	0.50	1	06/04/2019 16:39
Xylenes, Total	ND	0.50	1	06/04/2019 16:39

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5030B
Date Prepared:	6/4/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006B**	**Water**	**05/31/2019 08:50**	**GC18 06041916.D**	**178976**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	100	81-144		06/04/2019 16:39
Toluene-d8	98	85-135		06/04/2019 16:39
4-BFB	80	63-145		06/04/2019 16:39

Analyst(s): AK

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	E625
Date Prepared:	6/4/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906058-006C	Water	05/31/2019 08:50	GC21 06041940.D	178935

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.052	5	06/05/2019 04:04
Acenaphthylene	ND	0.052	5	06/05/2019 04:04
Acetochlor	ND	10	5	06/05/2019 04:04
Anthracene	ND	0.052	5	06/05/2019 04:04
Benzidine	ND	26	5	06/05/2019 04:04
Benzo (a) anthracene	ND	0.10	5	06/05/2019 04:04
Benzo (a) pyrene	ND	0.052	5	06/05/2019 04:04
Benzo (b) fluoranthene	ND	0.026	5	06/05/2019 04:04
Benzo (g,h,i) perylene	ND	0.10	5	06/05/2019 04:04
Benzo (k) fluoranthene	ND	0.052	5	06/05/2019 04:04
Benzyl Alcohol	ND	26	5	06/05/2019 04:04
1,1-Biphenyl	ND	0.26	5	06/05/2019 04:04
Bis (2-chloroethoxy) Methane	ND	5.2	5	06/05/2019 04:04
Bis (2-chloroethyl) Ether	ND	0.026	5	06/05/2019 04:04
Bis (2-chloroisopropyl) Ether	ND	0.052	5	06/05/2019 04:04
Bis (2-ethylhexyl) Adipate	ND	16	5	06/05/2019 04:04
Bis (2-ethylhexyl) Phthalate	ND	0.21	5	06/05/2019 04:04
4-Bromophenyl Phenyl Ether	ND	5.2	5	06/05/2019 04:04
Butylbenzyl Phthalate	ND	1.0	5	06/05/2019 04:04
4-Chloroaniline	ND	0.10	5	06/05/2019 04:04
4-Chloro-3-methylphenol	ND	5.2	5	06/05/2019 04:04
2-Chloronaphthalene	ND	5.2	5	06/05/2019 04:04
2-Chlorophenol	ND	0.10	5	06/05/2019 04:04
4-Chlorophenyl Phenyl Ether	ND	5.2	5	06/05/2019 04:04
Chrysene	ND	0.052	5	06/05/2019 04:04
Dibenzo (a,h) anthracene	ND	0.052	5	06/05/2019 04:04
Dibenzofuran	ND	5.2	5	06/05/2019 04:04
Di-n-butyl Phthalate	ND	0.10	5	06/05/2019 04:04
1,2-Dichlorobenzene	ND	10	5	06/05/2019 04:04
1,3-Dichlorobenzene	ND	10	5	06/05/2019 04:04
1,4-Dichlorobenzene	ND	10	5	06/05/2019 04:04
3,3-Dichlorobenzidine	ND	0.10	5	06/05/2019 04:04
2,4-Dichlorophenol	ND	0.052	5	06/05/2019 04:04
Diethyl Phthalate	ND	0.10	5	06/05/2019 04:04
2,4-Dimethylphenol	ND	5.2	5	06/05/2019 04:04
Dimethyl Phthalate	ND	0.10	5	06/05/2019 04:04
4,6-Dinitro-2-methylphenol	ND	26	5	06/05/2019 04:04

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	E625
Date Prepared:	6/4/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906058-006C	Water	05/31/2019 08:50	GC21 06041940.D	178935

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	2.6	5	06/05/2019 04:04
2,4-Dinitrotoluene	ND	0.13	5	06/05/2019 04:04
2,6-Dichlorophenol	ND	5.2	5	06/05/2019 04:04
2,6-Dinitrotoluene	ND	0.052	5	06/05/2019 04:04
Di-n-octyl Phthalate	ND	0.65	5	06/05/2019 04:04
1,2-Diphenylhydrazine	ND	5.2	5	06/05/2019 04:04
Fluoranthene	ND	0.052	5	06/05/2019 04:04
Fluorene	ND	0.052	5	06/05/2019 04:04
Hexachlorobenzene	ND	0.026	5	06/05/2019 04:04
Hexachlorobutadiene	ND	0.052	5	06/05/2019 04:04
Hexachlorocyclopentadiene	ND	26	5	06/05/2019 04:04
Hexachloroethane	ND	0.052	5	06/05/2019 04:04
Indeno (1,2,3-cd) pyrene	ND	0.10	5	06/05/2019 04:04
Isophorone	ND	5.2	5	06/05/2019 04:04
2-Methylnaphthalene	**0.16**	0.052	5	06/05/2019 04:04
2-Methylphenol (o-Cresol)	ND	5.2	5	06/05/2019 04:04
3 & 4-Methylphenol (m,p-Cresol)	ND	5.2	5	06/05/2019 04:04
Naphthalene	**0.16**	0.052	5	06/05/2019 04:04
2-Nitroaniline	ND	26	5	06/05/2019 04:04
3-Nitroaniline	ND	26	5	06/05/2019 04:04
4-Nitroaniline	ND	26	5	06/05/2019 04:04
Nitrobenzene	ND	5.2	5	06/05/2019 04:04
2-Nitrophenol	ND	26	5	06/05/2019 04:04
4-Nitrophenol	ND	26	5	06/05/2019 04:04
N-Nitrosodiphenylamine	ND	5.2	5	06/05/2019 04:04
N-Nitrosodi-n-propylamine	ND	5.2	5	06/05/2019 04:04
Pentachlorophenol	ND	1.3	5	06/05/2019 04:04
Phenanthrene	ND	0.10	5	06/05/2019 04:04
Phenol	**0.12**	0.10	5	06/05/2019 04:04
Pyrene	ND	0.10	5	06/05/2019 04:04
Pyridine	ND	5.2	5	06/05/2019 04:04
1,2,4-Trichlorobenzene	ND	5.2	5	06/05/2019 04:04
2,4,5-Trichlorophenol	ND	0.26	5	06/05/2019 04:04
2,4,6-Trichlorophenol	ND	0.26	5	06/05/2019 04:04
1-Methylnaphthalene	**0.12**	0.052	5	06/05/2019 04:04

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	E625
Date Prepared:	6/4/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006C**	**Water**	**05/31/2019 08:50**	**GC21 06041940.D**	**178935**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	70	1-92		06/05/2019 04:04
Phenol-d5	39	5-104		06/05/2019 04:04
Nitrobenzene-d5	71	4-143		06/05/2019 04:04
2-Fluorobiphenyl	72	9-134		06/05/2019 04:04
2,4,6-Tribromophenol	108	1-159		06/05/2019 04:04
4-Terphenyl-d14	96	5-150		06/05/2019 04:04

Analyst(s): REB

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	E200.8
Date Prepared:	6/3/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	1906058-006D	Water	05/31/2019 08:50	ICP-MS1 107SMPL.D	178892

Analytes	Result	RL	DF	Date Analyzed
Antimony	**3.6**	0.50	1	06/05/2019 07:18
Arsenic	**7.2**	0.50	1	06/05/2019 07:18
Barium	**130**	5.0	1	06/05/2019 07:18
Beryllium	ND	0.50	1	06/05/2019 07:18
Cadmium	ND	0.50	1	06/05/2019 07:18
Chromium	**2.0**	0.50	1	06/05/2019 07:18
Cobalt	**3.5**	0.50	1	06/05/2019 07:18
Copper	**23**	0.50	1	06/05/2019 07:18
Lead	**7.7**	0.50	1	06/05/2019 07:18
Mercury	**0.065**	0.050	1	06/05/2019 07:18
Molybdenum	**7.5**	0.50	1	06/05/2019 07:18
Nickel	**14**	1.0	1	06/05/2019 07:18
Selenium	ND	0.50	1	06/05/2019 07:18
Silver	ND	0.50	1	06/05/2019 07:18
Thallium	ND	0.50	1	06/05/2019 07:18
Vanadium	**3.2**	0.50	1	06/05/2019 07:18
Zinc	**72**	20	1	06/05/2019 07:18

Surrogates	REC (%)	Limits	
Terbium	110	70-130	06/05/2019 07:18

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5035
Date Prepared:	6/3/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-1-1.5	1906058-001A	Soil	05/31/2019 08:05	GC7 06061935.D	178934

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.9**	1.0	1	06/07/2019 05:56
MTBE	---	0.050	1	06/07/2019 05:56
Benzene	---	0.0050	1	06/07/2019 05:56
Toluene	---	0.0050	1	06/07/2019 05:56
Ethylbenzene	---	0.0050	1	06/07/2019 05:56
m,p-Xylene	---	0.010	1	06/07/2019 05:56
o-Xylene	---	0.0050	1	06/07/2019 05:56
Xylenes	---	0.0050	1	06/07/2019 05:56

Surrogates	REC (%)	Limits	
2-Fluorotoluene	73	62-126	06/07/2019 05:56

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-2-1.5	1906058-002A	Soil	05/31/2019 08:10	GC19 06061910.D	178934

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/06/2019 18:09
MTBE	---	0.050	1	06/06/2019 18:09
Benzene	---	0.0050	1	06/06/2019 18:09
Toluene	---	0.0050	1	06/06/2019 18:09
Ethylbenzene	---	0.0050	1	06/06/2019 18:09
m,p-Xylene	---	0.010	1	06/06/2019 18:09
o-Xylene	---	0.0050	1	06/06/2019 18:09
Xylenes	---	0.0050	1	06/06/2019 18:09

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	62-126	06/06/2019 18:09

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5035
Date Prepared:	6/3/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-3-1.5	1906058-003A	Soil	05/31/2019 08:15	GC19 06061913.D	178934

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/06/2019 19:40
MTBE	---	0.050	1	06/06/2019 19:40
Benzene	---	0.0050	1	06/06/2019 19:40
Toluene	---	0.0050	1	06/06/2019 19:40
Ethylbenzene	---	0.0050	1	06/06/2019 19:40
m,p-Xylene	---	0.010	1	06/06/2019 19:40
o-Xylene	---	0.0050	1	06/06/2019 19:40
Xylenes	---	0.0050	1	06/06/2019 19:40

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	62-126	06/06/2019 19:40

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-4-1.5	1906058-004A	Soil	05/31/2019 08:20	GC19 06061914.D	178934

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	06/06/2019 20:41
MTBE	---	0.050	1	06/06/2019 20:41
Benzene	---	0.0050	1	06/06/2019 20:41
Toluene	---	0.0050	1	06/06/2019 20:41
Ethylbenzene	---	0.0050	1	06/06/2019 20:41
m,p-Xylene	---	0.010	1	06/06/2019 20:41
o-Xylene	---	0.0050	1	06/06/2019 20:41
Xylenes	---	0.0050	1	06/06/2019 20:41

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	62-126	06/06/2019 20:41

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5035
Date Prepared:	6/3/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-B-1-3.0	**1906058-005A**	**Soil**	**05/31/2019 08:30**	**GC19 06061915.D**	**178934**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**9.6**	1.0	1	06/06/2019 21:11
MTBE	---	0.050	1	06/06/2019 21:11
Benzene	---	0.0050	1	06/06/2019 21:11
Toluene	---	0.0050	1	06/06/2019 21:11
Ethylbenzene	---	0.0050	1	06/06/2019 21:11
m,p-Xylene	---	0.010	1	06/06/2019 21:11
o-Xylene	---	0.0050	1	06/06/2019 21:11
Xylenes	---	0.0050	1	06/06/2019 21:11

Surrogates	REC (%)	Limits	
2-Fluorotoluene	67	62-126	06/06/2019 21:11

Analyst(s): IA Analytical Comments: d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW5030B
Date Prepared:	6/5/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006A**	**Water**	**05/31/2019 08:50**	**GC3 06051923.D**	**179051**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	06/05/2019 23:07
MTBE	---	5.0	1	06/05/2019 23:07
Benzene	---	0.50	1	06/05/2019 23:07
Toluene	---	0.50	1	06/05/2019 23:07
Ethylbenzene	---	0.50	1	06/05/2019 23:07
m,p-Xylene	---	1.0	1	06/05/2019 23:07
o-Xylene	---	0.50	1	06/05/2019 23:07
Xylenes	---	0.50	1	06/05/2019 23:07

Surrogates	REC (%)	Limits	
aaa-TFT	90	76-115	06/05/2019 23:07

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SM2510B
Date Prepared:	6/4/19	**Analytical Method:**	SM2510Bm-1997
Project:	731685405; 1548 Maple Street	**Unit:**	g/L

Salinity in g/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006E**	**Water**	**05/31/2019 08:50**	**WetChem**	**178998**

Analytes	Result	RL	DF	Date Analyzed
Salinity	ND @ 24.3 °C	1.00	1	06/04/2019 14:59

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SM2510 B
Date Prepared:	6/4/19	**Analytical Method:**	SM2510B
Project:	731685405; 1548 Maple Street	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006E**	**Water**	**05/31/2019 08:50**	**WetChem**	**178994**

Analytes	Result	RL	DF	Date Analyzed
Specific Conductivity	**1180**	10.0	1	06/04/2019 14:39

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW3550B
Date Prepared:	6/3/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-1-1.5	**1906058-001A**	**Soil**	**05/31/2019 08:05**	**GC6B 06061923.D**	**178949**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**19**	1.0	1	06/06/2019 19:15

Surrogates	REC (%)	Limits	
C9	96	74-123	06/06/2019 19:15

Analyst(s): JIS Analytical Comments: e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-2-1.5	**1906058-002A**	**Soil**	**05/31/2019 08:10**	**GC11A 06061926.D**	**178949**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**12**	1.0	1	06/06/2019 19:59

Surrogates	REC (%)	Limits	
C9	100	74-123	06/06/2019 19:59

Analyst(s): JIS Analytical Comments: e2,e7,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-3-1.5	**1906058-003A**	**Soil**	**05/31/2019 08:15**	**GC6A 06061924.D**	**178949**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**4.0**	1.0	1	06/06/2019 19:15

Surrogates	REC (%)	Limits	
C9	96	74-123	06/06/2019 19:15

Analyst(s): JIS Analytical Comments: e2,e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-S-4-1.5	**1906058-004A**	**Soil**	**05/31/2019 08:20**	**GC9b 06061933.D**	**178949**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7.9**	1.0	1	06/07/2019 00:33

Surrogates	REC (%)	Limits	
C9	104	74-123	06/07/2019 00:33

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW3550B
Date Prepared:	6/3/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area H-B-1-3.0	**1906058-005A**	**Soil**	**05/31/2019 08:30**	**GC9b 06061929.D**	**178949**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**21**	1.0	1	06/06/2019 23:16

Surrogates	REC (%)	Limits	
C9	103	74-123	06/06/2019 23:16

Analyst(s): JIS Analytical Comments: e2,e7,e8

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Analytical Report

Client:	Langan	**WorkOrder:**	1906058
Date Received:	6/3/19 16:50	**Extraction Method:**	SW3510C
Date Prepared:	6/3/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Yacht Club	**1906058-006A**	**Water**	**05/31/2019 08:50**	**GC11A 06051968.D**	**178940**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**190**	50	1	06/06/2019 07:06
TPH-Motor Oil (C18-C36)	**470**	250	1	06/06/2019 07:06

Surrogates	REC (%)	Limits	
C9	83	61-139	06/06/2019 07:06

Analyst(s): JIS Analytical Comments: e2,e7

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	25			25	99	82-142
Toluene-d8	25			25	101	85-137
4-BFB	2.1			2.5	83	66-144

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	40	42	40	99	104	46-128	4.54	20
tert-Amyl methyl ether (TAME)	3.5	3.7	4	87	93	65-118	6.60	20
Benzene	3.7	4.1	4	93	101	71-120	8.35	20
Bromobenzene	3.4	3.6	4	86	91	67-121	5.46	20
Bromochloromethane	3.7	4.0	4	92	100	71-127	7.58	20
Bromodichloromethane	3.6	3.9	4	89	97	67-120	8.56	20
Bromoform	3.4	3.7	4	85	92	59-121	7.16	20
Bromomethane	1.6	1.7	4	41, F2	43, F2	44-175	4.26	20
2-Butanone (MEK)	16	17	16	98	106	50-121	7.23	20
t-Butyl alcohol (TBA)	15	16	16	96	100	47-123	4.49	20
n-Butyl benzene	3.6	3.8	4	89	95	71-128	6.61	20
sec-Butyl benzene	3.5	3.8	4	88	95	75-123	7.18	20
tert-Butyl benzene	3.3	3.6	4	82	91	70-121	9.42	20
Carbon Disulfide	3.2	3.5	4	80	87	75-121	8.46	20
Carbon Tetrachloride	3.5	3.9	4	89	98	73-117	9.71	20
Chlorobenzene	3.5	3.7	4	87	93	73-119	6.08	20
Chloroethane	3.5	3.6	4	86	90	60-144	4.24	20
Chloroform	3.7	4.1	4	93	102	72-120	9.69	20
Chloromethane	2.9	2.8	4	72	70	28-145	3.29	20
2-Chlorotoluene	3.5	3.7	4	87	92	76-121	6.08	20
4-Chlorotoluene	3.3	3.5	4	82	86	72-119	5.52	20
Dibromochloromethane	3.8	4.1	4	95	103	66-122	8.19	20
1,2-Dibromo-3-chloropropane	4.0	4.3	4	99	108	50-123	8.62	20
1,2-Dibromoethane (EDB)	3.2	3.4	4	79	86	68-117	7.79	20
Dibromomethane	3.6	3.9	4	89	97	67-121	7.78	20
1,2-Dichlorobenzene	3.5	3.7	4	88	93	70-121	4.87	20
1,3-Dichlorobenzene	3.5	3.8	4	89	95	69-125	7.32	20
1,4-Dichlorobenzene	3.5	3.7	4	88	92	67-123	4.55	20
Dichlorodifluoromethane	2.0	2.2	4	50	56	19-147	12.2	20
1,1-Dichloroethane	3.7	4.1	4	94	102	72-121	9.10	20
1,2-Dichloroethane (1,2-DCA)	3.6	4.0	4	91	100	64-120	9.40	20
1,1-Dichloroethene	3.6	4.0	4	90	99	76-123	9.65	20
cis-1,2-Dichloroethene	3.8	4.3	4	96	106	71-124	10.1	20
trans-1,2-Dichloroethene	3.6	4.0	4	90	100	74-124	9.93	20
1,2-Dichloropropane	3.7	4.1	4	93	102	70-120	8.91	20
1,3-Dichloropropane	3.5	3.8	4	87	94	66-119	8.23	20
2,2-Dichloropropane	3.6	3.9	4	91	98	67-126	7.82	20
1,1-Dichloropropene	3.4	3.8	4	86	95	73-120	10.1	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.4	3.7	4	85	93	69-121	8.76	20
trans-1,3-Dichloropropene	3.5	3.8	4	87	95	70-121	7.94	20
Diisopropyl ether (DIPE)	3.9	4.1	4	98	104	68-123	5.92	20
Ethylbenzene	3.4	3.7	4	86	92	75-116	7.18	20
Ethyl tert-butyl ether (ETBE)	3.8	4.2	4	96	104	67-120	7.84	20
Freon 113	3.4	3.7	4	85	93	75-117	8.96	20
Hexachlorobutadiene	4.7	5.0	4	116	124	66-127	6.53	20
Hexachloroethane	3.9	4.2	4	98	105	69-127	7.02	20
2-Hexanone	3.7	3.9	4	93	98	50-116	5.03	20
Isopropylbenzene	3.5	3.8	4	88	94	70-127	6.45	20
4-Isopropyl toluene	4.0	4.3	4	99	107	71-124	7.76	20
Methyl-t-butyl ether (MTBE)	3.4	3.7	4	86	93	64-121	8.50	20
Methylene chloride	2.5	2.8	4	63, F2	70	66-115	11.0	20
4-Methyl-2-pentanone (MIBK)	3.4	3.6	4	86	90	50-119	4.82	20
Naphthalene	3.6	3.8	4	90	95	63-121	5.69	20
n-Propyl benzene	3.5	3.7	4	87	92	74-122	5.98	20
Styrene	2.9	3.1	4	71	76	69-118	6.64	20
1,1,1,2-Tetrachloroethane	3.5	3.9	4	87	96	71-120	9.95	20
1,1,2,2-Tetrachloroethane	3.6	3.8	4	90	94	58-123	4.94	20
Tetrachloroethene	4.0	4.4	4	100	109	72-118	8.51	20
Toluene	3.4	3.7	4	85	93	73-111	8.77	20
1,2,3-Trichlorobenzene	4.2	4.4	4	104	109	63-125	4.47	20
1,2,4-Trichlorobenzene	4.3	4.6	4	107	116	66-128	7.63	20
1,1,1-Trichloroethane	3.3	3.6	4	81	90	72-118	9.76	20
1,1,2-Trichloroethane	3.6	3.9	4	90	98	66-118	8.33	20
Trichloroethene	3.3	3.6	4	83	90	71-121	8.54	20
Trichlorofluoromethane	3.0	3.3	4	74	82	59-125	9.32	20
1,2,3-Trichloropropane	3.5	3.7	4	86	92	62-120	6.67	20
1,2,4-Trimethylbenzene	3.3	3.5	4	82	88	73-120	6.90	20
1,3,5-Trimethylbenzene	3.5	3.7	4	87	93	67-123	6.57	20
Vinyl Chloride	3.2	3.5	4	81	86	60-138	6.47	20
m,p-Xylene	6.8	7.2	8	85	90	74-118	6.19	20
o-Xylene	3.5	3.7	4	88	93	73-119	6.18	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178976
Date Analyzed:	6/4/19	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178976

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	24	25	25	95	98	82-142	3.50	20
Toluene-d8	25	25	25	101	101	85-137	0	20
4-BFB	2.1	2.0	2.5	83	82	66-144	2.32	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	ND	0.0086	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Di-n-butyl Phthalate	ND	0.0068	0.020	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
Diethyl Phthalate	ND	0.015	0.020	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	ND	0.0055	0.020	-	-	-
Phenol	ND	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	3.5			5	69	36-131
Phenol-d5	3.1			5	62	43-149
Nitrobenzene-d5	3.3			5	66	39-150
2-Fluorobiphenyl	3.4			5	68	43-133
2,4,6-Tribromophenol	3.0			5	60	42-147
Terphenyl-d14	3.3			5	66	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.36	0.36	0.50	73	72	47-145	1.22	25
Acenaphthylene	0.39	0.38	0.50	77	75	33-145	2.64	25
Anthracene	0.37	0.37	0.50	74	74	27-133	0	25
Benzidine	25	26	50	50	51	33-87	1.96	25
Benzo (a) anthracene	0.34	0.33	0.50	67	66	33-143	1.21	25
Benzo (a) pyrene	0.40	0.40	0.50	80	80	17-163	0	25
Benzo (b) fluoranthene	0.38	0.39	0.50	77	77	24-159	0	25
Benzo (g,h,i) perylene	0.38	0.37	0.50	76	74	1-219	2.67	25
Benzo (k) fluoranthene	0.33	0.33	0.50	67	66	11-162	1.12	25
Benzyl Alcohol	29	29	50	59	58	38-130	0.500	25
Bis (2-chloroethoxy) Methane	6.1	6.1	10	61	61	33-184	0	25
Bis (2-chloroethyl) Ether	0.29	0.30	0.50	58	60	12-158	4.51	25
Bis (2-chloroisopropyl) Ether	0.34	0.34	0.50	69	69	36-166	0	25
Bis (2-ethylhexyl) Adipate	5.5	5.4	10	55	55	49-109	0	25
Bis (2-ethylhexyl) Phthalate	0.34	0.35	0.50	68	70	8-158	3.10	25
4-Bromophenyl Phenyl Ether	7.2	7.2	10	72	72	53-127	0	25
Butylbenzyl Phthalate	0.32	0.32	0.50	64	64	1-152	0	25
4-Chloroaniline	0.35	0.35	0.50	70	69	57-121	0.891	25
4-Chloro-3-methylphenol	8.5	8.3	10	85	83	22-147	2.20	25
2-Chloronaphthalene	7.0	6.6	10	70	66	60-118	5.19	25
2-Chlorophenol	0.32	0.31	0.50	64	63	23-134	2.08	25
4-Chlorophenyl Phenyl Ether	6.7	6.9	10	67	69	25-158	2.23	25
Chrysene	0.34	0.34	0.50	67	67	17-168	0	25
Dibenzo (a,h) anthracene	0.39	0.38	0.50	77	75	1-227	2.38	25
Dibenzofuran	6.9	6.7	10	69	67	57-108	1.66	25
Di-n-butyl Phthalate	0.36	0.36	0.50	72	73	1-118	0.253	25
1,2-Dichlorobenzene	7.5	7.5	10	75	75	32-129	0	25
1,3-Dichlorobenzene	7.1	7.0	10	71	70	1-172	1.56	25
1,4-Dichlorobenzene	6.6	6.2	10	66	62	20-124	5.83	25
3,3-Dichlorobenzidine	0.37	0.37	0.50	75	75	1-262	0	25
2,4-Dichlorophenol	7.5	7.3	10	75	73	39-135	1.70	25
Diethyl Phthalate	0.36	0.36	0.50	73	72	1-114	1.53	25
2,4-Dimethylphenol	7.4	7.2	10	74	72	32-119	2.53	25
Dimethyl Phthalate	0.34	0.33	0.50	69	67	1-112	2.26	25
4,6-Dinitro-2-methylphenol	33	33	50	66	67	33-117	0.906	25
2,4-Dinitrophenol	1.6	1.6	2.5	63	64	1-191	0.879	25
2,4-Dinitrotoluene	0.38	0.37	0.50	75	74	39-139	1.97	25
2,6-Dinitrotoluene	0.38	0.39	0.50	76	78	50-158	2.00	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Di-n-octyl Phthalate	0.44	0.45	0.50	89	90	4-146	0.948	25
1,2-Diphenylhydrazine	5.9	5.8	10	59	58	53-110	0.769	25
Fluoranthene	0.41	0.41	0.50	82	83	26-137	0.718	25
Fluorene	0.40	0.39	0.50	80	78	59-121	2.51	25
Hexachlorobenzene	0.30	0.30	0.50	60	60	1-152	0	25
Hexachlorobutadiene	0.34	0.33	0.50	68	65	24-116	3.53	25
Hexachlorocyclopentadiene	29	29	50	58	58	26-107	0	25
Hexachloroethane	0.32	0.31	0.50	63	62	40-113	3.00	25
Indeno (1,2,3-cd) pyrene	0.39	0.40	0.50	79	79	1-171	0	25
Isophorone	6.6	6.7	10	66	67	21-196	0.643	25
2-Methylnaphthalene	0.42	0.41	0.50	83	82	51-132	1.53	25
2-Methylphenol (o-Cresol)	7.1	7.7	10	71	77	47-127	7.45	25
3 & 4-Methylphenol (m,p-Cresol)	6.7	6.6	10	67	66	51-126	1.06	25
Naphthalene	0.30	0.30	0.50	61	60	21-133	1.79	25
2-Nitroaniline	36	35	50	71	71	56-126	0	25
3-Nitroaniline	39	39	50	78	78	57-124	0	25
4-Nitroaniline	40	39	50	81	79	58-130	2.15	25
Nitrobenzene	6.6	6.5	10	66	65	35-180	1.37	25
2-Nitrophenol	39	39	50	78	77	29-182	0.967	25
4-Nitrophenol	38	35	50	75	70	1-132	7.76	25
N-Nitrosodiphenylamine	6.4	6.4	10	64	64	56-106	0	25
N-Nitrosodi-n-propylamine	8.0	7.8	10	80	78	1-230	3.14	25
Pentachlorophenol	1.2	1.2	2.5	47	48	14-176	1.32	25
Phenanthrene	0.35	0.34	0.50	69	69	54-120	0	25
Phenol	1.2	1.2	2	59	58	5-112	2.01	25
Pyrene	0.32	0.32	0.50	64	64	52-115	0	25
Pyridine	5.9	4.9	10	59	49	36-96	18.7	25
1,2,4-Trichlorobenzene	7.1	7.0	10	71	70	44-142	2.13	25
2,4,5-Trichlorophenol	0.31	0.31	0.50	63	62	52-119	1.38	25
2,4,6-Trichlorophenol	0.32	0.32	0.50	65	64	37-144	1.51	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178935
Date Analyzed:	6/3/19 - 6/4/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178935

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	3.1	3.1	5	61	61	36-131	0	25
Phenol-d5	3.2	3.1	5	64	62	43-149	2.62	25
Nitrobenzene-d5	3.6	3.5	5	73	69	39-150	4.88	25
2-Fluorobiphenyl	3.4	3.3	5	69	67	43-133	2.50	25
2,4,6-Tribromophenol	2.9	2.9	5	59	58	42-147	2.06	25
Terphenyl-d14	3.6	3.6	5	71	72	44-124	0.419	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178892
Date Analyzed:	6/3/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178892

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.20	0.50	-	-	-
Arsenic	ND	0.12	0.50	-	-	-
Barium	ND	0.36	5.0	-	-	-
Beryllium	ND	0.056	0.50	-	-	-
Cadmium	ND	0.060	0.50	-	-	-
Chromium	ND	0.36	0.50	-	-	-
Cobalt	ND	0.048	0.50	-	-	-
Copper	0.47,J	0.43	0.50	-	-	-
Lead	ND	0.32	0.50	-	-	-
Mercury	ND	0.033	0.050	-	-	-
Molybdenum	ND	0.21	0.50	-	-	-
Nickel	ND	0.58	1.0	-	-	-
Selenium	ND	0.18	0.50	-	-	-
Silver	ND	0.042	0.50	-	-	-
Thallium	ND	0.047	0.50	-	-	-
Vanadium	ND	0.091	0.50	-	-	-
Zinc	ND	11	20	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178892
Date Analyzed:	6/3/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178892

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	51	50	50	102	99	85-115	2.70	20
Arsenic	50	53	50	99	105	85-115	5.95	20
Barium	520	540	500	103	109	85-115	5.08	20
Beryllium	51	55	50	102	109	85-115	7.16	20
Cadmium	50	54	50	100	108	85-115	7.31	20
Chromium	50	53	50	100	107	85-115	6.04	20
Cobalt	51	55	50	102	110	85-115	6.93	20
Copper	50	54	50	101	108	85-115	7.10	20
Lead	48	52	50	96	103	85-115	6.71	20
Mercury	1.3	1.3	1.25	104	103	85-115	1.62	20
Molybdenum	52	50	50	103	100	85-115	2.97	20
Nickel	50	54	50	101	107	85-115	6.65	20
Selenium	50	53	50	101	107	85-115	5.99	20
Silver	48	50	50	95	101	85-115	5.49	20
Thallium	47	49	50	93	99	85-115	5.55	20
Vanadium	50	53	50	100	107	85-115	6.25	20
Zinc	510	540	500	101	109	85-115	6.80	20
Surrogate Recovery								
Terbium	550	530	500	110	107	70-130	2.96	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178934
Date Analyzed:	6/4/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178934

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.12,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.094			0.10	94	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.53	0.54	0.60	88	90	82-118	1.87	20
MTBE	0.081	0.087	0.10	81	87	61-119	6.55	20
Benzene	0.094	0.094	0.10	94	94	77-128	0	20
Toluene	0.097	0.097	0.10	97	97	74-132	0	20
Ethylbenzene	0.098	0.097	0.10	98	97	84-127	1.38	20
m,p-Xylene	0.20	0.20	0.20	102	100	80-120	1.90	20
o-Xylene	0.10	0.099	0.10	101	99	80-120	1.86	20
Surrogate Recovery								
2-Fluorotoluene	0.095	0.095	0.10	95	95	75-134	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/5/19	**BatchID:**	179051
Date Analyzed:	6/5/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179051 1906058-006AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.9			10	89	74-117

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/5/19	**BatchID:**	179051
Date Analyzed:	6/5/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179051 1906058-006AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	58	59	60	97	98	78-116	1.47	20
MTBE	11	11	10	108	112	72-122	3.41	20
Benzene	11	12	10	112	115	81-123	2.73	20
Toluene	11	12	10	109	115	83-129	5.04	20
Ethylbenzene	9.5	11	10	95	105	88-126	10.4	20
m,p-Xylene	19	21	20	95	105	80-120	9.94	20
o-Xylene	9.2	9.9	10	92	99	80-120	8.03	20
Surrogate Recovery								
aaa-TFT	9.0	9.5	10	90	95	74-117	5.13	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	1	64	64	60	ND	107	107	63-133	0	20
MTBE	1	9.6	10	10	ND	96	101	69-122	5.47	20
Benzene	1	9.7	10	10	ND	97	103	84-125	6.30	20
Toluene	1	9.9	11	10	ND	99	106	87-131	6.68	20
Ethylbenzene	1	10	11	10	ND	100	105	92-126	5.36	20
m,p-Xylene	1	20	21	20	ND	100	106	80-120	5.68	20
o-Xylene	1	9.7	10	10	ND	97	102	80-120	5.37	20
Surrogate Recovery										
aaa-TFT	1	8.8	9.0	10		88	90	76-115	1.64	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178998
Date Analyzed:	6/4/19	**Extraction Method:**	SM2510B
Instrument:	WetChem	**Analytical Method:**	SM2510Bm-1997
Matrix:	Water	**Unit:**	g/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-178998

QC Summary Report for SM2510B (Salinity)

Analyte	CCV REC (%)	CCV Limits
Salinity	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/4/19	**BatchID:**	178994
Date Analyzed:	6/4/19	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-178994

QC Summary Report for Specific Conductivity

Analyte	CCV REC (%)	CCV Limits
Specific Conductivity	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178949
Date Analyzed:	6/4/19	**Extraction Method:**	SW3550B
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178949

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	23			25	91	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	41	40	99	102	75-128	2.22	30
Surrogate Recovery								
C9	22	22	25	89	90	72-122	1.01	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906058
Date Prepared:	6/3/19	**BatchID:**	178940
Date Analyzed:	6/4/19 - 6/5/19	**Extraction Method:**	SW3510C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-178940

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	570			625	92	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1000	1000	1000	100	103	86-142	2.44	20
Surrogate Recovery								
C9	550	570	625	88	91	68-127	3.08	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906058 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/03/2019**
Date Logged: **06/03/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1906058-001	Area H-S-1-1.5	Soil	5/31/2019 08:05	☐				A				A				
1906058-002	Area H-S-2-1.5	Soil	5/31/2019 08:10	☐				A				A				
1906058-003	Area H-S-3-1.5	Soil	5/31/2019 08:15	☐				A				A				
1906058-004	Area H-S-4-1.5	Soil	5/31/2019 08:20	☐				A				A				
1906058-005	Area H-B-1-3.0	Soil	5/31/2019 08:30	☐				A				A				
1906058-006	Yacht Club	Water	5/31/2019 08:50	☐	B	C	D		A	E	E		A			

Test Legend:

1	8260B_W	2	8270_SCSM_W	3	CAM17MS_TTLC_W	4	G-MBTEX_S
5	G-MBTEX_W	6	SALINITY_W	7	SC_W	8	TPH(DMO)_S
9	TPH(DMO)_W	10		11		12	

Prepared by: Nancy Palacios

The following SampIDs: 001A, 002A, 003A, 004A, 005A contain testgroup Multi Range_S.; The following SampID: 006A contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1906058
QC Level: LEVEL 2
Date Logged: 6/3/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906058-001A	Area H-S-1-1.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	5/31/2019 8:05	5 days		☐	
1906058-002A	Area H-S-2-1.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	5/31/2019 8:10	5 days		☐	
1906058-003A	Area H-S-3-1.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	5/31/2019 8:15	5 days		☐	
1906058-004A	Area H-S-4-1.5	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	5/31/2019 8:20	5 days		☐	
1906058-005A	Area H-B-1-3.0	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	5/31/2019 8:30	5 days		☐	
1906058-006A	Yacht Club	Water	Multi-Range TPH	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	5/31/2019 8:50	5 days	Present	☐	
1906058-006B	Yacht Club	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	5/31/2019 8:50	5 days	Present	☐	
1906058-006C	Yacht Club	Water	SW8270C (SVOCs)	1	1LA, Unpres	☐	5/31/2019 8:50	5 days	Present	☐	
1906058-006D	Yacht Club	Water	E200.8 (CAM 17)	1	250mL HDPE w/ HNO3	☐	5/31/2019 8:50	5 days	Present	☐	
1906058-006E	Yacht Club	Water	SM2510B (Specific Conductivity)	1	250mL HDPE, unprsv.	☐	5/31/2019 8:50	5 days	Present	☐	
			SM2510B (Salinity)			☐		5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

plz cc: gstafford@langan.com

13350

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

1906058

135 Main Street, Suite 1500, San Francisco, CA 94105
~~555 Montgomery Street, Suite 1300, San Francisco, CA 94111~~
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required): [signature]

Turnaround Time: standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d	TPH g/d/mo	VOCs	SVOCs	CAM 17 Metals	Electrical Conductivity	Salinity							Silica gel clean-up	Hold	Remarks
Area H-S-1-1.5	5/31/19	0805		X							X		X														
Area H-S-2-1.5		0810		X							X		X														
Area H-S-3-1.5		0815		X							X		X														
Area H-S-4-1.5		0820		X							X		X														
Area H-B-1-3.0		0830		X							X		X														
Yacht Club		0850			X			4		1	Y			X	X	X	X	X	X								

Relinquished by: (Signature) [signature]	Date: 6/3/19	Time 1840	Received by: (Signature) [signature]	Date 6/3/19	Time 1040
Relinquished by: (Signature) [signature]	Date: 6/3/19	Time 1650	Received by: (Signature) [signature]	Date 6-3-19	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 1.8 ~~1.7~~

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**6/3/2019 16:50**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/3/2019**
		Received by:	Nancy Palacios
WorkOrder №:	**1906058** Matrix: Soil/Water	Logged by:	Nancy Palacios
Carrier:	Lorenzo Perez (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.8°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1906197

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/05/2019

Analytical Report reviewed & approved for release on 06/11/2019 by:

Jennifer Lagerbom
Project Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906197

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906197
Date Received:	6/5/19 16:50	**Extraction Method:**	SW3050B
Date Prepared:	6/5/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-1-2.0	1906197-001A	Soil	06/04/2019 11:50	ICP-MS1 120SMPL.D	179075

Analytes	Result	RL	DF	Date Analyzed
Lead	**15**	0.50	1	06/07/2019 05:09

Surrogates	REC (%)	Limits	
Terbium	94	70-130	06/07/2019 05:09

Analyst(s): ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-2-2.0	1906197-002A	Soil	06/04/2019 12:05	ICP-MS1 121SMPL.D	179075

Analytes	Result	RL	DF	Date Analyzed
Lead	**59**	0.50	1	06/07/2019 05:15

Surrogates	REC (%)	Limits	
Terbium	94	70-130	06/07/2019 05:15

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906197
Date Prepared:	6/5/19	**BatchID:**	179075
Date Analyzed:	6/6/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179075

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Lead	ND	0.094	0.50	-	-	-
Surrogate Recovery						
Terbium	510			500	102	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	52	50	50	105	101	75-125	3.48	20
Surrogate Recovery								
Terbium	510	500	500	101	100	70-130	1.55	20

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906197 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/05/2019**
Date Logged: **06/05/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906197-001	Sub Area A1-S-1-2.0	Soil	6/4/2019 11:50	☐	A											
1906197-002	Sub Area A1-S-2-2.0	Soil	6/4/2019 12:05	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments

Work Order: 1906197
QC Level: LEVEL 2
Date Logged: 6/5/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906197-001A	Sub Area A1-S-1-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/4/2019 11:50	5 days		☐	
1906197-002A	Sub Area A1-S-2-2.0	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	6/4/2019 12:05	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906197

plz cc: gstafford@langan.com

13351

LANGAN

CHAIN OF CUSTODY RECORD

135 Main Street 1500 94105

[X] ~~555 Montgomery Street,~~ Suite ~~4300,~~ San Francisco, CA ~~94111~~

[ ] 501 14th Street, Third Floor, Oakland, CA 94612

[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982

[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street

Job Number: 731685405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required): [signature]

Turnaround Time: standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead												Silica gel clean-up	Hold	Remarks
SubArea A1-S-1-20	6/4/19	1150		X							X		X													
SubArea A1-S-2-20	↓	1205		X							X		X													

Relinquished by: (Signature) [signature]	Date: 6/5/19	Time 1040	Received by: (Signature) [signature]	Date: 6/5/19	Time 1040
Relinquished by: (Signature) [signature]	Date: 6/5/19	Time 1650	Received by: (Signature) [signature]	Date 6/5/19	Time 1650 1.6 Cool
Relinquished by (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

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

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received:	**6/5/2019 16:50**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**6/5/2019**
		Received by:	Lilly Ortiz
WorkOrder №:	**1906197** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.6°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

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Analytical Report

WorkOrder: 1906197 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 06/05/2019

Analytical Report reviewed & approved for release on 06/18/2019 by:

Jennifer Lagerbom
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1906197 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1906197
Date Received:	6/5/19 16:50	**Extraction Method:**	CA Title 22
Date Prepared:	6/12/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1-S-2-2.0	**1906197-002A**	**Soil**	**06/04/2019 12:05**	**ICP-MS1 093SMPL.D**	**179513**

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.10	1	06/18/2019 04:45

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	1906197
Date Prepared:	6/12/19	**BatchID:**	179513
Date Analyzed:	6/17/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-179513

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.8	9.8	10	98	98	75-125	0	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1906197 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5244 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **06/05/2019**
Date Logged: **06/05/2019**
Date Add-On: **06/11/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1906197-002	Sub Area A1-S-2-2.0	Soil	6/4/2019 12:05	☐	A											

Test Legend:

1	PBMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Kena Ponce

Comments: STLC pb added 6/11/19 STAT

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments: STLC pb added 6/11/19 STAT

Work Order: 1906197
QC Level: LEVEL 2
Date Logged: 6/5/2019
Date Add-On: 6/11/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1906197-002A	Sub Area A1-S-2-2.0	Soil	SW6020 (Lead) (STLC)	1	Stainless Steel tube 2"x6"	6/4/2019 12:05	5 days*		☐	

NOTES: **- STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1906197

plz cc: gstafford@langan.com

13351

LANGAN

CHAIN OF CUSTODY RECORD

135 Main Street 1500 94105
~~555 Montgomery Street, Suite 1300, San Francisco, CA 94111~~
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland
Samplers: Grace Stafford
Recorder (Signature Required):

Turnaround Time: standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Total Lead	SVOC plus TPHg														Silica gel clean-up	Hold	Remarks
SubArea A1-S-1-20	6/4/19	1150		X							X		X															
SubArea A1-S-2-20	↓	1205		X							X		X	X														

Relinquished by: (Signature)	Date: 6/5/19	Time 1040	Received by: (Signature)	Date: 6/5/19 Time 1040
Relinquished by: (Signature)	Date: 6/5/19	Time 1650	Received by: (Signature)	Date 6/5/19 Time 1650
Relinquished by (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder:	1908F03	**Amended:**	09/06/2019
		Revision:	1
Report Created for:	Langan		
	135 Main St, Suite 1500 San Francisco, CA 94105		
Project Contact:	Dustyne Sutherland		
Project P.O.:			
Project:	731685405; 1548 Mapple St.		
Project Received:	08/28/2019		

Analytical Report reviewed & approved for release on 09/03/2019 by:

Yen Cao

Project Manager

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Mapple St.
WorkOrder: 1908F03

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Mapple St.
WorkOrder: 1908F03

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.
j1	See attached narrative.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Case Narrative

Client: Langan
Project: 731685405; 1548 Mapple St.

Work Order: 1908F03
September 06, 2019

For batch 184300, Bis (2-ethylhexyl) Phthalate and Di-n-butyl Phthalate were detected above the reporting limit in the method blank; therefore, the associated results above the detection limit are suspect and can be considered an estimate.

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	8/28/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	GC16 08291928.D	184341

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	08/30/2019 02:16
tert-Amyl methyl ether (TAME)	ND	0.0050	1	08/30/2019 02:16
Benzene	ND	0.0050	1	08/30/2019 02:16
Bromobenzene	ND	0.0050	1	08/30/2019 02:16
Bromochloromethane	ND	0.0050	1	08/30/2019 02:16
Bromodichloromethane	ND	0.0050	1	08/30/2019 02:16
Bromoform	ND	0.0050	1	08/30/2019 02:16
Bromomethane	ND	0.0050	1	08/30/2019 02:16
2-Butanone (MEK)	ND	0.050	1	08/30/2019 02:16
t-Butyl alcohol (TBA)	ND	0.050	1	08/30/2019 02:16
n-Butyl benzene	ND	0.0050	1	08/30/2019 02:16
sec-Butyl benzene	ND	0.0050	1	08/30/2019 02:16
tert-Butyl benzene	ND	0.0050	1	08/30/2019 02:16
Carbon Disulfide	ND	0.0050	1	08/30/2019 02:16
Carbon Tetrachloride	ND	0.0050	1	08/30/2019 02:16
Chlorobenzene	ND	0.0050	1	08/30/2019 02:16
Chloroethane	ND	0.0050	1	08/30/2019 02:16
Chloroform	ND	0.0050	1	08/30/2019 02:16
Chloromethane	ND	0.0050	1	08/30/2019 02:16
2-Chlorotoluene	ND	0.0050	1	08/30/2019 02:16
4-Chlorotoluene	ND	0.0050	1	08/30/2019 02:16
Dibromochloromethane	ND	0.0050	1	08/30/2019 02:16
1,2-Dibromo-3-chloropropane	ND	0.0050	1	08/30/2019 02:16
1,2-Dibromoethane (EDB)	ND	0.0040	1	08/30/2019 02:16
Dibromomethane	ND	0.0050	1	08/30/2019 02:16
1,2-Dichlorobenzene	ND	0.0050	1	08/30/2019 02:16
1,3-Dichlorobenzene	ND	0.0050	1	08/30/2019 02:16
1,4-Dichlorobenzene	ND	0.0050	1	08/30/2019 02:16
Dichlorodifluoromethane	ND	0.0050	1	08/30/2019 02:16
1,1-Dichloroethane	ND	0.0050	1	08/30/2019 02:16
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	08/30/2019 02:16
1,1-Dichloroethene	ND	0.0050	1	08/30/2019 02:16
cis-1,2-Dichloroethene	ND	0.0050	1	08/30/2019 02:16
trans-1,2-Dichloroethene	ND	0.0050	1	08/30/2019 02:16
1,2-Dichloropropane	ND	0.0050	1	08/30/2019 02:16
1,3-Dichloropropane	ND	0.0050	1	08/30/2019 02:16
2,2-Dichloropropane	ND	0.0050	1	08/30/2019 02:16

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	8/28/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	GC16 08291928.D	184341

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	08/30/2019 02:16
cis-1,3-Dichloropropene	ND	0.0050	1	08/30/2019 02:16
trans-1,3-Dichloropropene	ND	0.0050	1	08/30/2019 02:16
Diisopropyl ether (DIPE)	ND	0.0050	1	08/30/2019 02:16
Ethylbenzene	ND	0.0050	1	08/30/2019 02:16
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	08/30/2019 02:16
Freon 113	ND	0.0050	1	08/30/2019 02:16
Hexachlorobutadiene	ND	0.0050	1	08/30/2019 02:16
Hexachloroethane	ND	0.0050	1	08/30/2019 02:16
2-Hexanone	ND	0.0050	1	08/30/2019 02:16
Isopropylbenzene	ND	0.0050	1	08/30/2019 02:16
4-Isopropyl toluene	ND	0.0050	1	08/30/2019 02:16
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	08/30/2019 02:16
Methylene chloride	ND	0.020	1	08/30/2019 02:16
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	08/30/2019 02:16
Naphthalene	ND	0.0050	1	08/30/2019 02:16
n-Propyl benzene	ND	0.0050	1	08/30/2019 02:16
Styrene	ND	0.0050	1	08/30/2019 02:16
1,1,1,2-Tetrachloroethane	ND	0.0050	1	08/30/2019 02:16
1,1,2,2-Tetrachloroethane	ND	0.0050	1	08/30/2019 02:16
Tetrachloroethene	ND	0.0050	1	08/30/2019 02:16
Toluene	ND	0.0050	1	08/30/2019 02:16
1,2,3-Trichlorobenzene	ND	0.0050	1	08/30/2019 02:16
1,2,4-Trichlorobenzene	ND	0.0050	1	08/30/2019 02:16
1,1,1-Trichloroethane	ND	0.0050	1	08/30/2019 02:16
1,1,2-Trichloroethane	ND	0.0050	1	08/30/2019 02:16
Trichloroethene	ND	0.0050	1	08/30/2019 02:16
Trichlorofluoromethane	ND	0.0050	1	08/30/2019 02:16
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2019 02:16
1,2,4-Trimethylbenzene	ND	0.0050	1	08/30/2019 02:16
1,3,5-Trimethylbenzene	ND	0.0050	1	08/30/2019 02:16
Vinyl Chloride	ND	0.0050	1	08/30/2019 02:16
m,p-Xylene	ND	0.0050	1	08/30/2019 02:16
o-Xylene	ND	0.0050	1	08/30/2019 02:16
Xylenes, Total	ND	0.0050	1	08/30/2019 02:16

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW5030B
Date Prepared:	8/28/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	**1908F03-001A**	**Soil**	**08/27/2019 11:30**	**GC16 08291928.D**	**184341**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	88	66-116		08/30/2019 02:16
Toluene-d8	101	86-110		08/30/2019 02:16
4-BFB	88	71-114		08/30/2019 02:16
Benzene-d6	72	62-122		08/30/2019 02:16
Ethylbenzene-d10	94	69-130		08/30/2019 02:16
1,2-DCB-d4	69	55-108		08/30/2019 02:16

Analyst(s): AK

McCampbell Analytical, Inc.
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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW3550B
Date Prepared:	8/28/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	GC21 08301908.D	184300

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.010	1	08/30/2019 11:52
Acenaphthylene	**0.011**		0.010	1	08/30/2019 11:52
Acetochlor	ND		2.0	1	08/30/2019 11:52
Anthracene	**0.012**		0.010	1	08/30/2019 11:52
Benzidine	ND		10	1	08/30/2019 11:52
Benzo (a) anthracene	**0.094**		0.040	1	08/30/2019 11:52
Benzo (a) pyrene	**0.15**		0.020	1	08/30/2019 11:52
Benzo (b) fluoranthene	**0.070**		0.010	1	08/30/2019 11:52
Benzo (g,h,i) perylene	**0.17**		0.020	1	08/30/2019 11:52
Benzo (k) fluoranthene	**0.057**		0.010	1	08/30/2019 11:52
Benzyl Alcohol	ND		10	1	08/30/2019 11:52
1,1-Biphenyl	ND		0.10	1	08/30/2019 11:52
Bis (2-chloroethoxy) Methane	ND		2.0	1	08/30/2019 11:52
Bis (2-chloroethyl) Ether	ND		0.020	1	08/30/2019 11:52
Bis (2-chloroisopropyl) Ether	ND		0.020	1	08/30/2019 11:52
Bis (2-ethylhexyl) Adipate	ND		4.0	1	08/30/2019 11:52
Bis (2-ethylhexyl) Phthalate	**0.075**	B	0.040	1	08/30/2019 11:52
4-Bromophenyl Phenyl Ether	ND		2.0	1	08/30/2019 11:52
Butylbenzyl Phthalate	ND		0.20	1	08/30/2019 11:52
4-Chloroaniline	ND		0.020	1	08/30/2019 11:52
4-Chloro-3-methylphenol	ND		2.0	1	08/30/2019 11:52
2-Chloronaphthalene	ND		2.0	1	08/30/2019 11:52
2-Chlorophenol	ND		0.040	1	08/30/2019 11:52
4-Chlorophenyl Phenyl Ether	ND		2.0	1	08/30/2019 11:52
Chrysene	**0.082**		0.020	1	08/30/2019 11:52
Dibenzo (a,h) anthracene	**0.023**		0.020	1	08/30/2019 11:52
Dibenzofuran	ND		2.0	1	08/30/2019 11:52
Di-n-butyl Phthalate	ND		0.020	1	08/30/2019 11:52
1,2-Dichlorobenzene	ND		2.0	1	08/30/2019 11:52
1,3-Dichlorobenzene	ND		2.0	1	08/30/2019 11:52
1,4-Dichlorobenzene	ND		2.0	1	08/30/2019 11:52
3,3-Dichlorobenzidine	ND		0.020	1	08/30/2019 11:52
2,4-Dichlorophenol	ND		0.10	1	08/30/2019 11:52
Diethyl Phthalate	ND		0.040	1	08/30/2019 11:52
2,4-Dimethylphenol	ND		2.0	1	08/30/2019 11:52
Dimethyl Phthalate	ND		0.020	1	08/30/2019 11:52
4,6-Dinitro-2-methylphenol	ND		10	1	08/30/2019 11:52

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW3550B
Date Prepared:	8/28/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	GC21 08301908.D	184300

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND		1.0	1	08/30/2019 11:52
2,4-Dinitrotoluene	ND		0.050	1	08/30/2019 11:52
2,6-Dinitrotoluene	ND		0.020	1	08/30/2019 11:52
Di-n-octyl Phthalate	ND		0.040	1	08/30/2019 11:52
1,2-Diphenylhydrazine	ND		2.0	1	08/30/2019 11:52
Fluoranthene	**0.22**		0.010	1	08/30/2019 11:52
Fluorene	ND		0.020	1	08/30/2019 11:52
Hexachlorobenzene	ND		0.010	1	08/30/2019 11:52
Hexachlorobutadiene	ND		0.020	1	08/30/2019 11:52
Hexachlorocyclopentadiene	ND		16	1	08/30/2019 11:52
Hexachloroethane	ND		0.020	1	08/30/2019 11:52
Indeno (1,2,3-cd) pyrene	**0.11**		0.020	1	08/30/2019 11:52
Isophorone	ND		2.0	1	08/30/2019 11:52
1-Methylnaphthalene	**0.011**		0.010	1	08/30/2019 11:52
2-Methylnaphthalene	ND		0.020	1	08/30/2019 11:52
2-Methylphenol (o-Cresol)	ND		4.0	1	08/30/2019 11:52
3 & 4-Methylphenol (m,p-Cresol)	ND		2.0	1	08/30/2019 11:52
Naphthalene	**0.17**		0.010	1	08/30/2019 11:52
2-Nitroaniline	ND		10	1	08/30/2019 11:52
3-Nitroaniline	ND		10	1	08/30/2019 11:52
4-Nitroaniline	ND		10	1	08/30/2019 11:52
Nitrobenzene	ND		2.0	1	08/30/2019 11:52
2-Nitrophenol	ND		10	1	08/30/2019 11:52
4-Nitrophenol	ND		10	1	08/30/2019 11:52
N-Nitrosodiphenylamine	ND		2.0	1	08/30/2019 11:52
N-Nitrosodi-n-propylamine	ND		2.0	1	08/30/2019 11:52
Pentachlorophenol	ND		0.25	1	08/30/2019 11:52
Phenanthrene	**0.069**		0.040	1	08/30/2019 11:52
Phenol	ND		0.040	1	08/30/2019 11:52
Pyrene	**0.22**		0.020	1	08/30/2019 11:52
Pyridine	ND		2.0	1	08/30/2019 11:52
1,2,4-Trichlorobenzene	ND		2.0	1	08/30/2019 11:52
2,4,5-Trichlorophenol	ND		0.020	1	08/30/2019 11:52
2,4,6-Trichlorophenol	ND		0.10	1	08/30/2019 11:52

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW3550B
Date Prepared:	8/28/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	GC21 08301908.D	184300

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	**REC (%)**		**Limits**		
2-Fluorophenol	108		56-152		08/30/2019 11:52
Phenol-d5	97		54-146		08/30/2019 11:52
Nitrobenzene-d5	79		47-147		08/30/2019 11:52
2-Fluorobiphenyl	79		46-141		08/30/2019 11:52
2,4,6-Tribromophenol	75		25-166		08/30/2019 11:52
4-Terphenyl-d14	70		39-153		08/30/2019 11:52

Analyst(s): HD Analytical Comments: j1

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW3050B
Date Prepared:	8/28/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1908F03-001A	Soil	08/27/2019 11:30	ICP-MS1 048SMPL.D	184358

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.78**	0.50	1	08/29/2019 14:09
Arsenic	**6.8**	0.50	1	08/29/2019 14:09
Barium	**170**	5.0	1	08/29/2019 14:09
Beryllium	**0.67**	0.50	1	08/29/2019 14:09
Cadmium	**0.57**	0.25	1	08/29/2019 14:09
Chromium	**67**	0.50	1	08/29/2019 14:09
Cobalt	**12**	0.50	1	08/29/2019 14:09
Copper	**46**	0.50	1	08/29/2019 14:09
Lead	**53**	0.50	1	08/29/2019 14:09
Mercury	**0.32**	0.050	1	08/29/2019 14:09
Molybdenum	**1.3**	0.50	1	08/29/2019 14:09
Nickel	**73**	0.50	1	08/29/2019 14:09
Selenium	ND	0.50	1	08/29/2019 14:09
Silver	**2.1**	0.50	1	08/29/2019 14:09
Thallium	ND	0.50	1	08/29/2019 14:09
Vanadium	**64**	0.50	1	08/29/2019 14:09
Zinc	**140**	5.0	1	08/29/2019 14:09

Surrogates	REC (%)	Limits	
Terbium	106	70-130	08/29/2019 14:09

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	8/28/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	**1908F03-001A**	**Soil**	**08/27/2019 11:30**	**ICP-MS1 133SMPL.D**	**184350**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.47**	0.10	1	08/30/2019 22:14

Analyst(s): ND

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW5035
Date Prepared:	8/28/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	**1908F03-001A**	**Soil**	**08/27/2019 11:30**	**GC19 08281929.D**	**184343**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	08/28/2019 23:55
MTBE	---	0.050	1	08/28/2019 23:55
Benzene	---	0.0050	1	08/28/2019 23:55
Toluene	---	0.0050	1	08/28/2019 23:55
Ethylbenzene	---	0.0050	1	08/28/2019 23:55
m,p-Xylene	---	0.010	1	08/28/2019 23:55
o-Xylene	---	0.0050	1	08/28/2019 23:55
Xylenes	---	0.0050	1	08/28/2019 23:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	80	62-126	08/28/2019 23:55

Analyst(s): TD

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	SW3550B
Date Prepared:	8/28/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	**1908F03-001A**	**Soil**	**08/27/2019 11:30**	**GC11A 08281946.D**	**184342**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**44**	5.0	5	08/29/2019 00:21
TPH-Motor Oil (C18-C36)	**160**	25	5	08/29/2019 00:21

Surrogates	REC (%)	Limits	
C9	93	74-123	08/29/2019 00:21

Analyst(s): JIS Analytical Comments: e2,e7

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	0.0023,J	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.12			0.125	93	66-112
Toluene-d8	0.12			0.125	93	92-109
4-BFB	0.010			0.0125	84	72-112
Benzene-d6	0.088			0.1	88	81-126
Ethylbenzene-d10	0.11			0.1	112	92-138
1,2-DCB-d4	0.077			0.1	77	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.23	0.23	0.20	116	113	59-127	6.79	20
tert-Amyl methyl ether (TAME)	0.015	0.015	0.020	74	73	54-98	14.1	20
Benzene	0.016	0.016	0.020	81	81	71-115	0	20
Bromobenzene	0.016	0.015	0.020	78	76	69-120	12.0	20
Bromochloromethane	0.015	0.015	0.020	77	76	63-117	14.2	20
Bromodichloromethane	0.015	0.015	0.020	76	76	61-109	0	20
Bromoform	0.011	0.011	0.020	54	54	46-87	0	20
Bromomethane	0.015	0.016	0.020	75	79	22-195	57.9,F2	20
2-Butanone (MEK)	0.057	0.055	0.080	71	69	53-124	6.38	20
t-Butyl alcohol (TBA)	0.078	0.076	0.080	97	96	29-142	17.0	20
n-Butyl benzene	0.021	0.021	0.020	107	107	102-169	0	20
sec-Butyl benzene	0.021	0.021	0.020	107	106	100-166	12.2	20
tert-Butyl benzene	0.019	0.019	0.020	93	94	91-153	12.7	20
Carbon Disulfide	0.015	0.015	0.020	76	77	60-125	9.18	20
Carbon Tetrachloride	0.015	0.015	0.020	75	75	69-124	0	20
Chlorobenzene	0.016	0.016	0.020	79	80	73-116	17.8	20
Chloroethane	0.017	0.017	0.020	86	86	47-140	0	20
Chloroform	0.016	0.016	0.020	79	79	69-118	0	20
Chloromethane	0.015	0.015	0.020	73	76	30-132	2.03	20
2-Chlorotoluene	0.017	0.017	0.020	84	85	75-147	17.5	20
4-Chlorotoluene	0.017	0.018	0.020	87	88	75-137	7.28	20
Dibromochloromethane	0.013	0.013	0.020	67	67	57-105	0	20
1,2-Dibromo-3-chloropropane	0.0064	0.0063	0.010	64	63	36-103	23.0,F2	20
1,2-Dibromoethane (EDB)	0.0078	0.0077	0.010	78	77	66-101	17.0	20
Dibromomethane	0.015	0.015	0.020	75	76	61-103	15.1	20
1,2-Dichlorobenzene	0.013	0.013	0.020	67	67	59-104	0	20
1,3-Dichlorobenzene	0.017	0.017	0.020	83	85	70-133	10.4	20
1,4-Dichlorobenzene	0.016	0.016	0.020	82	82	68-123	0	20
Dichlorodifluoromethane	0.0084	0.0085	0.020	42	42	13-107	0	20
1,1-Dichloroethane	0.016	0.016	0.020	79	80	69-118	10.3	20
1,2-Dichloroethane (1,2-DCA)	0.016	0.016	0.020	82	82	59-112	0	20
1,1-Dichloroethene	0.015	0.015	0.020	74	74	69-126	0	20
cis-1,2-Dichloroethene	0.016	0.016	0.020	79	78	69-116	15.7	20
trans-1,2-Dichloroethene	0.015	0.015	0.020	77	77	73-116	0	20
1,2-Dichloropropane	0.016	0.016	0.020	78	78	65-111	0	20
1,3-Dichloropropane	0.015	0.015	0.020	75	75	67-110	0	20
2,2-Dichloropropane	0.016	0.016	0.020	80	79	65-125	26.7,F2	20
1,1-Dichloropropene	0.016	0.016	0.020	81	80	70-123	16.9	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.016	0.015	0.020	78	77	68-126	15.8	20
trans-1,3-Dichloropropene	0.016	0.016	0.020	80	79	69-117	20.9,F2	20
Diisopropyl ether (DIPE)	0.016	0.016	0.020	79	79	57-110	0	20
Ethylbenzene	0.017	0.017	0.020	85	84	80-128	17.6	20
Ethyl tert-butyl ether (ETBE)	0.016	0.016	0.020	79	79	54-106	0	20
Freon 113	0.013	0.013	0.020	66	66	60-108	0	20
Hexachlorobutadiene	0.024	0.024	0.020	118	118	67-182	0	20
Hexachloroethane	0.019	0.019	0.020	93	93	85-156	0	20
2-Hexanone	0.015	0.015	0.020	76	75	37-90	11.7	20
Isopropylbenzene	0.019	0.019	0.020	96	95	64-167	16.6	20
4-Isopropyl toluene	0.020	0.020	0.020	100	102	88-167	12.3	20
Methyl-t-butyl ether (MTBE)	0.016	0.016	0.020	81	81	60-102	0	20
Methylene chloride	0.016	0.017	0.020	82	83	71-117	12.0	20
4-Methyl-2-pentanone (MIBK)	0.014	0.014	0.020	70	69	48-90	7.98	20
Naphthalene	0.0079	0.0078	0.020	40	39	29-65	23.8,F2	20
n-Propyl benzene	0.019	0.019	0.020	97	97	88-161	0	20
Styrene	0.015	0.015	0.020	75	73	70-108	19.8	20
1,1,1,2-Tetrachloroethane	0.015	0.015	0.020	76	75	69-117	15.2	20
1,1,2,2-Tetrachloroethane	0.015	0.015	0.020	74	73	53-96	7.93	20
Tetrachloroethene	0.017	0.017	0.020	86	86	78-128	0	20
Toluene	0.017	0.017	0.020	86	86	78-121	0	20
1,2,3-Trichlorobenzene	0.010	0.010	0.020	52	52	35-80	0	20
1,2,4-Trichlorobenzene	0.014	0.014	0.020	68	68	46-101	0	20
1,1,1-Trichloroethane	0.016	0.016	0.020	78	78	69-121	0	20
1,1,2-Trichloroethane	0.015	0.015	0.020	75	75	64-104	0	20
Trichloroethene	0.015	0.015	0.020	77	77	73-118	0	20
Trichlorofluoromethane	0.014	0.014	0.020	71	71	31-119	0	20
1,2,3-Trichloropropane	0.0082	0.0081	0.010	82	81	65-107	16.3	20
1,2,4-Trimethylbenzene	0.019	0.018	0.020	94	90	80-147	25.1,F2	20
1,3,5-Trimethylbenzene	0.018	0.018	0.020	92	92	83-156	0	20
Vinyl Chloride	0.0069	0.0071	0.010	69	71	40-125	8.45	20
m,p-Xylene	0.034	0.034	0.040	85	85	80-122	0	20
o-Xylene	0.016	0.016	0.020	81	81	79-116	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.11	0.11	0.12	90	90	66-112	0	20
Toluene-d8	0.12	0.12	0.12	92	92	92-109	0	20
4-BFB	0.011	0.011	0.012	85	85	72-112	0	20
Benzene-d6	0.084	0.083	0.10	84	83	81-126	12.4	20
Ethylbenzene-d10	0.11	0.11	0.10	111	110	92-138	2.26	20
1,2-DCB-d4	0.079	0.078	0.10	79	78	68-108	13.3	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acetone	1	0.20	0.20	0.20	ND	100	101	48-114	0.236	20
tert-Amyl methyl ether (TAME)	1	0.014	0.013	0.020	ND	68	64	44-94	7.05	20
Benzene	1	0.014	0.013	0.020	ND	70	66	50-115	6.98	20
Bromobenzene	1	0.015	0.014	0.020	ND	76	69	60-114	9.68	20
Bromochloromethane	1	0.015	0.014	0.020	ND	76	71	50-113	6.93	20
Bromodichloromethane	1	0.014	0.013	0.020	ND	72	67	46-109	6.66	20
Bromoform	1	0.011	0.011	0.020	ND	57	53	38-83	6.32	20
Bromomethane	1	0.014	0.014	0.020	ND	72	70	10-149	3.18	20
2-Butanone (MEK)	1	0.072	0.071	0.080	ND	90	88	46-111	1.80	20
t-Butyl alcohol (TBA)	1	0.063	0.054	0.080	ND	78	68	32-112	13.9	20
n-Butyl benzene	1	0.020	0.019	0.020	ND	101	94	71-156	7.03	20
sec-Butyl benzene	1	0.021	0.020	0.020	ND	104	98	28-190	6.75	20
tert-Butyl benzene	1	0.019	0.018	0.020	ND	94	89	69-145	5.50	20
Carbon Disulfide	1	0.015	0.014	0.020	ND	74	68	19-135	9.41	20
Carbon Tetrachloride	1	0.014	0.013	0.020	ND	71	67	51-120	6.47	20
Chlorobenzene	1	0.014	0.013	0.020	ND	71	67	63-108	5.39	20
Chloroethane	1	0.017	0.016	0.020	ND	87	80	40-122	7.75	20
Chloroform	1	0.015	0.014	0.020	ND	77	72	55-114	6.61	20
Chloromethane	1	0.016	0.015	0.020	ND	79	73	14-128	7.34	20
2-Chlorotoluene	1	0.017	0.016	0.020	ND	86	80	45-153	6.82	20
4-Chlorotoluene	1	0.017	0.016	0.020	ND	83	78	65-126	6.92	20
Dibromochloromethane	1	0.013	0.012	0.020	ND	66	62	48-97	5.11	20
1,2-Dibromo-3-chloropropane	1	0.0073	0.0067	0.010	ND	73	67	32-95	9.39	20
1,2-Dibromoethane (EDB)	1	0.0074	0.0069	0.010	ND	74	69	52-99	7.29	20
Dibromomethane	1	0.014	0.013	0.020	ND	69	63	50-100	8.59	20
1,2-Dichlorobenzene	1	0.015	0.014	0.020	ND	73	69	38-116	5.96	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
1,3-Dichlorobenzene	1	0.016	0.015	0.020	ND	80	76	58-127	5.85	20
1,4-Dichlorobenzene	1	0.016	0.015	0.020	ND	81	74	54-123	8.50	20
Dichlorodifluoromethane	1	0.0071	0.0062	0.020	ND	36	31	8-93	14.4	20
1,1-Dichloroethane	1	0.015	0.014	0.020	ND	76	71	53-115	6.44	20
1,2-Dichloroethane (1,2-DCA)	1	0.015	0.014	0.020	ND	75	70	48-105	7.09	20
1,1-Dichloroethene	1	0.014	0.013	0.020	ND	70	65	47-127	7.36	20
cis-1,2-Dichloroethene	1	0.014	0.014	0.020	ND	71	69	56-111	3.30	20
trans-1,2-Dichloroethene	1	0.014	0.013	0.020	ND	71	65	51-115	8.39	20
1,2-Dichloropropane	1	0.014	0.013	0.020	ND	71	67	51-111	6.67	20
1,3-Dichloropropane	1	0.015	0.014	0.020	ND	75	71	51-109	5.35	20
2,2-Dichloropropane	1	0.015	0.014	0.020	ND	77	72	50-116	6.67	20
1,1-Dichloropropene	1	0.015	0.014	0.020	ND	76	70	46-124	7.66	20
cis-1,3-Dichloropropene	1	0.015	0.014	0.020	ND	74	70	41-127	6.13	20
trans-1,3-Dichloropropene	1	0.015	0.014	0.020	ND	75	70	50-111	6.57	20
Diisopropyl ether (DIPE)	1	0.014	0.013	0.020	ND	71	66	50-103	7.43	20
Ethylbenzene	1	0.015	0.015	0.020	ND	77	73	65-119	4.42	20
Ethyl tert-butyl ether (ETBE)	1	0.014	0.013	0.020	ND	70	65	47-100	6.45	20
Freon 113	1	0.012	0.011	0.020	ND	60	56	48-98	7.22	20
Hexachlorobutadiene	1	0.016	0.015	0.020	ND	81	76	36-166	6.22	20
Hexachloroethane	1	0.019	0.018	0.020	ND	95	91	61-146	4.61	20
2-Hexanone	1	0.015	0.014	0.020	ND	77	70	31-87	9.69	20
Isopropylbenzene	1	0.019	0.018	0.020	ND	96	89	24-171	8.23	20
4-Isopropyl toluene	1	0.018	0.017	0.020	ND	92	87	69-150	5.14	20
Methyl-t-butyl ether (MTBE)	1	0.015	0.014	0.020	ND	73	68	50-95	7.04	20
Methylene chloride	1	0.014	0.013	0.020	ND	70	64	39-123	8.44	20
4-Methyl-2-pentanone (MIBK)	1	0.014	0.013	0.020	ND	69	64	41-83	7.75	20
Naphthalene	1	0.011	0.0098	0.020	ND	57	49	13-77	15.8	20
n-Propyl benzene	1	0.020	0.018	0.020	ND	98	91	26-184	7.59	20
Styrene	1	0.013	0.012	0.020	ND	66	62	54-105	6.39	20
1,1,1,2-Tetrachloroethane	1	0.014	0.013	0.020	ND	72	66	60-108	8.93	20
1,1,2,2-Tetrachloroethane	1	0.016	0.015	0.020	ND	81	75	37-108	7.04	20
Tetrachloroethene	1	0.015	0.014	0.020	ND	76	71	54-127	6.91	20
Toluene	1	0.015	0.014	0.020	ND	74	70	63-114	6.14	20
1,2,3-Trichlorobenzene	1	0.011	0.0090	0.020	ND	54	45	14-97	18.1	20
1,2,4-Trichlorobenzene	1	0.012	0.011	0.020	ND	62	54	31-106	14.2	20
1,1,1-Trichloroethane	1	0.014	0.013	0.020	ND	70	66	55-114	5.22	20
1,1,2-Trichloroethane	1	0.015	0.014	0.020	ND	73	68	50-104	6.17	20
Trichloroethene	1	0.015	0.013	0.020	ND	74	67	47-127	9.27	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184341
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5030B
Instrument:	GC16, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184341 1908F03-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Trichlorofluoromethane	1	0.013	0.012	0.020	ND	65	61	9-119	6.45	20
1,2,3-Trichloropropane	1	0.0085	0.0076	0.010	ND	85	76	45-115	11.4	20
1,2,4-Trimethylbenzene	1	0.017	0.016	0.020	ND	86	79	69-133	8.64	20
1,3,5-Trimethylbenzene	1	0.018	0.017	0.020	ND	89	83	27-172	7.24	20
Vinyl Chloride	1	0.0076	0.0070	0.010	ND	76	70	33-114	8.36	20
m,p-Xylene	1	0.030	0.028	0.040	ND	74	70	62-117	5.44	20
o-Xylene	1	0.014	0.013	0.020	ND	69	65	19-144	5.78	20
Surrogate Recovery										
Dibromofluoromethane	1	0.11	0.11	0.12		86	86	66-116	0	20
Toluene-d8	1	0.13	0.12	0.12		101	100	86-110	0.738	20
4-BFB	1	0.011	0.011	0.012		91	89	71-114	2.10	20
Benzene-d6	1	0.076	0.070	0.10		76	70	62-122	7.61	20
Ethylbenzene-d10	1	0.097	0.093	0.10		97	93	69-130	4.57	20
1,2-DCB-d4	1	0.074	0.070	0.10		74	70	55-108	5.61	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	0.0024,J	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	**0.0051**	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	**0.0029**	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.4			1.25	111	54-131
Phenol-d5	1.4			1.25	109	52-129
Nitrobenzene-d5	1.3			1.25	101	43-127
2-Fluorobiphenyl	1.2			1.25	99	42-116
2,4,6-Tribromophenol	1.2			1.25	100	39-119
4-Terphenyl-d14	1.1			1.25	88	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.3	2.0	2.5	90	79	69-130	13.1	30
1,2-Dichlorobenzene	2.1	1.9	2.5	84	77	68-114	7.73	30
1,2-Diphenylhydrazine	2.2	2.0	2.5	86	78	62-142	10.1	30
1,3-Dichlorobenzene	2.0	1.9	2.5	81	75	69-116	7.84	30
1,4-Dichlorobenzene	2.2	2.1	2.5	89	83	64-117	7.69	30
1-Methylnaphthalene	0.11	0.10	0.12	91	83	65-134	9.70	30
2,4,5-Trichlorophenol	0.12	0.11	0.12	96	91	68-150	5.90	30
2,4,6-Trichlorophenol	0.11	0.11	0.12	91	87	70-144	3.63	30
2,4-Dichlorophenol	2.5	2.3	2.5	101	93	78-144	8.56	30
2,4-Dimethylphenol	2.7	2.4	2.5	107	96	71-152	10.6	30
2,4-Dinitrophenol	2.1	2.1	2.5	84	85	1-156	1.17	30
2,4-Dinitrotoluene	0.11	0.11	0.12	88	85	68-144	2.90	30
2,6-Dinitrotoluene	0.11	0.10	0.12	85	82	69-148	3.91	30
2-Chloronaphthalene	2.1	2.0	2.5	84	81	71-133	3.92	30
2-Chlorophenol	0.10	0.098	0.12	82	78	73-133	5.04	30
2-Methylnaphthalene	0.12	0.11	0.12	93	84	72-139	10.3	30
2-Methylphenol (o-Cresol)	2.1	1.9	2.5	82	77	69-138	6.51	30
2-Nitroaniline	10	9.9	12.5	80	79	72-143	0.673	30
2-Nitrophenol	12	11	12.5	93	85	80-141	9.31	30
3 & 4-Methylphenol (m,p-Cresol)	2.1	2.0	2.5	85	81	69-128	4.16	30
3,3-Dichlorobenzidine	0.079	0.078	0.12	63	63	11-163	0	30
3-Nitroaniline	8.3	8.6	12.5	66	69	57-122	4.50	30
4,6-Dinitro-2-methylphenol	8.8	8.3	12.5	70	66	14-155	5.45	30
4-Bromophenyl Phenyl Ether	2.2	2.1	2.5	90	83	68-136	7.40	30
4-Chloro-3-methylphenol	2.5	2.2	2.5	99	88	78-149	11.9	30
4-Chloroaniline	0.092	0.089	0.12	73	71	46-130	3.45	30
4-Chlorophenyl Phenyl Ether	2.1	2.0	2.5	83	80	71-132	3.37	30
4-Nitroaniline	9.1	9.5	12.5	73	76	68-133	4.02	30
4-Nitrophenol	10	10	12.5	81	84	67-144	2.89	30
Acenaphthene	0.10	0.098	0.12	81	78	68-134	4.17	30
Acenaphthylene	0.11	0.11	0.12	90	85	65-141	6.39	30
Anthracene	0.11	0.098	0.12	86	78	65-147	9.19	30
Benzidine	3.6	4.0	12.5	29	32	7-97	10.3	30
Benzo (a) anthracene	0.10	0.099	0.12	84	79	61-136	6.23	30
Benzo (a) pyrene	0.12	0.11	0.12	93	85	59-150	8.58	30
Benzo (b) fluoranthene	0.12	0.11	0.12	97	85	43-160	13.3	30
Benzo (g,h,i) perylene	0.12	0.11	0.12	95	91	54-142	4.19	30
Benzo (k) fluoranthene	0.12	0.11	0.12	92	90	59-141	2.97	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	10	9.8	12.5	82	79	48-145	4.11	30
Bis (2-chloroethoxy) Methane	2.3	2.1	2.5	92	85	71-138	8.28	30
Bis (2-chloroethyl) Ether	0.10	0.099	0.12	82	79	60-128	3.88	30
Bis (2-chloroisopropyl) Ether	0.11	0.11	0.12	90	86	67-129	4.76	30
Bis (2-ethylhexyl) Adipate	2.0	1.8	2.5	79	72	56-162	8.43	30
Bis (2-ethylhexyl) Phthalate	0.12	0.11	0.12	94	87	49-168	7.99	30
Butylbenzyl Phthalate	0.12	0.11	0.12	96	87	57-161	9.93	30
Chrysene	0.10	0.097	0.12	84	78	58-140	7.37	30
Dibenzo (a,h) anthracene	0.12	0.11	0.12	92	86	57-151	7.55	30
Dibenzofuran	2.0	2.0	2.5	80	78	70-134	2.36	30
Diethyl Phthalate	0.11	0.11	0.12	88	85	67-146	3.34	30
Dimethyl Phthalate	0.11	0.11	0.12	90	86	70-135	4.35	30
Di-n-butyl Phthalate	0.12	0.11	0.12	97	89	65-147	8.08	30
Di-n-octyl Phthalate	0.15	0.13	0.12	118	105	51-175	11.9	30
Fluoranthene	0.12	0.11	0.12	94	90	66-146	5.18	30
Fluorene	0.11	0.11	0.12	91	89	72-142	3.19	30
Hexachlorobenzene	0.098	0.089	0.12	79	71	65-127	9.77	30
Hexachlorobutadiene	0.11	0.094	0.12	84	75	68-131	11.5	30
Hexachlorocyclopentadiene	9.5	8.5	12.5	76	68	38-134	10.9	30
Hexachloroethane	0.10	0.095	0.12	82	76	57-117	7.92	30
Indeno (1,2,3-cd) pyrene	0.11	0.11	0.12	91	86	57-145	5.18	30
Isophorone	2.2	2.0	2.5	88	80	69-139	9.53	30
Naphthalene	0.10	0.094	0.12	82	75	64-127	8.92	30
Nitrobenzene	2.1	1.9	2.5	85	77	66-136	10.2	30
N-Nitrosodi-n-propylamine	1.9	1.8	2.5	76	71,F2	74-118	6.04	30
N-Nitrosodiphenylamine	2.1	2.0	2.5	85	78	67-138	7.85	30
Pentachlorophenol	0.56	0.53	0.62	90	84	50-153	6.01	30
Phenanthrene	0.10	0.095	0.12	83	76	66-129	8.32	30
Phenol	0.63	0.50	0.50	127	100	58-136	23.3	30
Pyrene	0.12	0.11	0.12	94	85	55-148	10.4	30
Pyridine	1.4	1.3	2.5	55	51	46-93	7.79	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/27/19	**BatchID:**	184300
Date Analyzed:	8/27/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184300

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.0	1.1	1.25	84	88	68-128	5.54	30
Phenol-d5	1.0	1.0	1.25	81	82	73-121	1.31	30
Nitrobenzene-d5	1.1	1.0	1.25	87	82	59-138	5.96	30
2-Fluorobiphenyl	0.97	0.97	1.25	78	78	59-129	0	30
2,4,6-Tribromophenol	1.0	1.0	1.25	82	80	46-142	2.74	30
4-Terphenyl-d14	0.87	0.83	1.25	70	66	50-143	5.04	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184358
Date Analyzed:	8/29/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184358

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	ND	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	530			500	106	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184358
Date Analyzed:	8/29/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184358

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	55	56	50	109	112	75-125	2.55	20
Arsenic	51	52	50	102	103	75-125	1.31	20
Barium	520	540	500	104	108	75-125	3.82	20
Beryllium	52	53	50	103	107	75-125	3.25	20
Cadmium	51	51	50	101	102	75-125	0.629	20
Chromium	50	50	50	100	100	75-125	0	20
Cobalt	49	51	50	99	103	75-125	4.08	20
Copper	51	52	50	102	104	75-125	1.09	20
Lead	52	53	50	104	107	75-125	2.71	20
Mercury	1.2	1.3	1.25	98	101	75-125	3.14	20
Molybdenum	51	53	50	103	105	75-125	2.43	20
Nickel	51	51	50	102	103	75-125	0.783	20
Selenium	52	52	50	105	105	75-125	0	20
Silver	50	51	50	100	102	75-125	2.77	20
Thallium	49	51	50	98	101	75-125	3.20	20
Vanadium	50	50	50	99	101	75-125	1.74	20
Zinc	510	520	500	102	104	75-125	1.28	20
Surrogate Recovery								
Terbium	530	550	500	105	109	70-130	3.77	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184350
Date Analyzed:	8/30/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184350

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	8.8	8.9	10	88	89	75-125	0.900	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184343
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184343 1908F03-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.13,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	0.0026,J	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.089			0.1	89	75-134

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184343
Date Analyzed:	8/28/19 - 8/29/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184343 1908F03-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.70	0.62	0.60	117	104	82-118	11.6	20
MTBE	0.088	0.090	0.10	88	90	61-119	1.99	20
Benzene	0.090	0.089	0.10	90	89	77-128	0.623	20
Toluene	0.094	0.093	0.10	94	93	74-132	0.977	20
Ethylbenzene	0.094	0.093	0.10	94	93	84-127	1.31	20
m,p-Xylene	0.19	0.19	0.20	97	95	80-120	1.32	20
o-Xylene	0.096	0.095	0.10	96	95	80-120	0.983	20
Surrogate Recovery								
2-Fluorotoluene	0.087	0.088	0.10	87	88	75-134	1.31	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	1	0.64	0.62	0.60	ND	107	103	58-129	3.76	20
MTBE	1	0.077	0.075	0.10	ND	77	75	47-118	2.06	20
Benzene	1	0.078	0.078	0.10	ND	78	78	55-129	0	20
Toluene	1	0.082	0.082	0.10	ND	80	80	56-130	0	20
Ethylbenzene	1	0.092	0.093	0.10	ND	89	90	63-129	0.629	20
m,p-Xylene	1	0.17	0.17	0.20	ND	85	86	80-120	0.775	20
o-Xylene	1	0.085	0.085	0.10	ND	85	85	80-120	0	20
Surrogate Recovery										
2-Fluorotoluene	1	0.079	0.078	0.10		79	79	62-126	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184342
Date Analyzed:	8/29/19	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184342 1908F03-001AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	0.92,J	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	98	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	42	40	105	105	75-128	0	30
Surrogate Recovery								
C9	24	24	25	95	96	72-122	0.827	30

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	5	83	80	40	43.69	97	91	71-134	3.39	30
Surrogate Recovery										
C9	5	23	23	25		93	93	78-126	0	30

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908F03 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Mapple St.

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 2 days;

Date Received: **08/28/2019**
Date Logged: **08/28/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1908F03-001	SS-1	Soil	8/27/2019 11:30	☐	A	A	A	A	A	A						

Test Legend:

1	8260B_S	2	8270_SCSM_S	3	CAM17MS_TTLC_S	4	CRMS_STLC_S
5	G-MBTEX_S	6	TPH(DMO)_S	7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

The following SampID: 001A contains testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Mapple St.
Comments

Work Order: 1908F03
QC Level: LEVEL 2
Date Logged: 8/28/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908F03-001A	SS-1	Soil	Multi-Range TPH	4 / (4:1)	Stainless Steel tube 2"x6"	☐	8/27/2019 11:30	2 days		☐	
			SW6020 (Chromium) (STLC)			☐		2 days*		☐	
			SW6020 (CAM 17)			☐		2 days		☐	
			SW8270C (SVOCs)			☐		2 days		☐	
			SW8260B (VOCs)			☐		2 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Please cc: gstafford@langan.com
dsutherland@langan.com

1908F03

12516

LANGAN RUSH! CHAIN OF CUSTODY RECORD

135 Main St., Suite 1500, SF, CA 94105

Page 1 of 1

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

Site Name: 1548 Maple St.
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland / Grace Stafford
Samplers: Stephanie Lee
Recorder (Signature Required): Stephanie Lee

Turnaround Time: 48-hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,MO	VOCs	SVOCs	CAM-17	STLC-Chromium	Silica gel clean-up	Hold	Remarks
SS-1-1	8/27/19	1125		✓							✓	✓	✓	✓	✓				Please composite all four samples to be identified as SS-1
SS-1-2	↓	1126		✓							✓	✓	✓	✓	✓				
SS-1-3		1128		✓							✓	✓	✓	✓	✓				
SS-1-4		1130		✓							✓	✓	✓	✓	✓				

Relinquished by: (Signature) Stephanie Lee	Date: 8/28/19	Time 1040	Received by: (Signature) LAP	Date 8/28/19	Time 1040
Relinquished by: (Signature) LAP	Date: 8/28/19	Time 1630	Received by: (Signature) Libby Choy	Date 8/28/19	Time 1630 3.3°C
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

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Sample Receipt Checklist

Client Name: **Langan**
Project: **731685405; 1548 Mapple St.**

WorkOrder №: **1908F03** Matrix: Soil
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **8/28/2019 16:30**
Date Logged: **8/28/2019**
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
(Ice Type: WET ICE)			
Sample/Temp Blank temperature	Temp: 3.3°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes ☐	No ☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1908F03 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Mapple St.

Project Received: 08/28/2019

Analytical Report reviewed & approved for release on 09/04/2019 by:

Yen Cao

Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Mapple St.
WorkOrder: 1908F03 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	1908F03
Date Received:	8/28/19 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	8/28/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Mapple St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	**1908F03-001A**	**Soil**	**08/27/2019 11:30**	**ICP-MS1 133SMPL.D**	**184350**

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.8**	0.10	1	08/30/2019 22:14

Analyst(s): ND

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908F03
Date Prepared:	8/28/19	**BatchID:**	184350
Date Analyzed:	8/30/19	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	731685405; 1548 Mapple St.	**Sample ID:**	MB/LCS/LCSD-184350

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	9.6	9.5	10	96	95	75-125	1.47	20

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908F03 A **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Mapple St.

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 1 day;

Date Received: **08/28/2019**
Date Logged: **08/28/2019**
Date Add-On: **09/03/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1908F03-001	SS-1	Soil	8/27/2019 11:30	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments: STLC Pb added 9/3/19 Rush TAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email dsutherland@langan.com

Project: 731685405; 1548 Mapple St.
Comments: STLC Pb added 9/3/19 Rush TAT.

Work Order: 1908F03
QC Level: LEVEL 2
Date Logged: 8/28/2019
Date Add-On: 9/3/2019

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908F03-001A	SS-1	Soil	SW6020 (Chromium) (STLC) <Chromium, Lead>	4 / (4:1)	Stainless Steel tube 2"x6"	8/27/2019 11:30	1 day*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Please cc: gstafford@langan.com
dsutherland@langan.com

1908F03

12516

LANGAN RUSH! CHAIN OF CUSTODY RECORD

Page 1 of 1

- [ ] 555 Montgomery Street, Suite 1300, San Francisco, CA 94111
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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113
- [x] 135 main st, suite 1500, SF, CA 94105

Site Name: 1548 maple st.
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland / Grace Stafford
Samplers: Stephanie Lee
Recorder (Signature Required): Stephanie Lee

Turnaround Time: 48-hr

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg,d,mo	VOCs	SVOCs	CAM-17	STLC-chromium	STLC Pb	Silica gel clean-up	Hold	Remarks
SS-1-1	8/27/19	1125		✓							✓		✓	✓	✓	✓	✓	✗			Please composite all four samples to be identified as SS-1
SS-1-2	↓	1126		✓							✓		✓	✓	✓	✓	✓	✗			
SS-1-3		1128		✓							✓		✓	✓	✓	✓	✓	✗			
SS-1-4		1130		✓							✓		✓	✓	✓	✓	✓	✗			

Relinquished by: (Signature) Stephanie Lee	Date: 8/28/19	Time 1040	Received by: (Signature) LAP	Date 8/28/19	Time 1040
Relinquished by: (Signature) LAP	Date: 8/28/19	Time 1630	Received by: (Signature) Libby Cluss	Date 8/28/19	Time 1630 3.3°wet
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical
Laboratory Comments/Notes: Added 9/3/19 RUSH

Method of Shipment: [x] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1908479

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 08/08/2019

Analytical Report reviewed & approved for release on 08/15/2019 by:

Yen Cao
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908479

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1908479

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Spike recovery outside accepted recovery limits.
a4	Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.
b1	Aqueous sample that contains greater than ~1 vol. % sediment.
c2	Surrogate recovery outside of the control limits due to matrix interference.
c12	Surrogate recovery outside of the control limits.
d7	Strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram.
e2	Diesel range compounds are significant; no recognizable pattern.
e7	Oil range compounds are significant.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/8/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	1908479-001A	Soil	08/08/2019 08:45	GC18 08121911.D	183240

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	08/12/2019 14:05
tert-Amyl methyl ether (TAME)	ND	0.0050	1	08/12/2019 14:05
Benzene	ND	0.0050	1	08/12/2019 14:05
Bromobenzene	ND	0.0050	1	08/12/2019 14:05
Bromochloromethane	ND	0.0050	1	08/12/2019 14:05
Bromodichloromethane	ND	0.0050	1	08/12/2019 14:05
Bromoform	ND	0.0050	1	08/12/2019 14:05
Bromomethane	ND	0.0050	1	08/12/2019 14:05
2-Butanone (MEK)	ND	0.050	1	08/12/2019 14:05
t-Butyl alcohol (TBA)	ND	0.050	1	08/12/2019 14:05
n-Butyl benzene	ND	0.0050	1	08/12/2019 14:05
sec-Butyl benzene	ND	0.0050	1	08/12/2019 14:05
tert-Butyl benzene	ND	0.0050	1	08/12/2019 14:05
Carbon Disulfide	ND	0.0050	1	08/12/2019 14:05
Carbon Tetrachloride	ND	0.0050	1	08/12/2019 14:05
Chlorobenzene	ND	0.0050	1	08/12/2019 14:05
Chloroethane	ND	0.0050	1	08/12/2019 14:05
Chloroform	ND	0.0050	1	08/12/2019 14:05
Chloromethane	ND	0.0050	1	08/12/2019 14:05
2-Chlorotoluene	ND	0.0050	1	08/12/2019 14:05
4-Chlorotoluene	ND	0.0050	1	08/12/2019 14:05
Dibromochloromethane	ND	0.0050	1	08/12/2019 14:05
1,2-Dibromo-3-chloropropane	ND	0.0050	1	08/12/2019 14:05
1,2-Dibromoethane (EDB)	ND	0.0040	1	08/12/2019 14:05
Dibromomethane	ND	0.0050	1	08/12/2019 14:05
1,2-Dichlorobenzene	ND	0.0050	1	08/12/2019 14:05
1,3-Dichlorobenzene	ND	0.0050	1	08/12/2019 14:05
1,4-Dichlorobenzene	ND	0.0050	1	08/12/2019 14:05
Dichlorodifluoromethane	ND	0.0050	1	08/12/2019 14:05
1,1-Dichloroethane	ND	0.0050	1	08/12/2019 14:05
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	08/12/2019 14:05
1,1-Dichloroethene	ND	0.0050	1	08/12/2019 14:05
cis-1,2-Dichloroethene	ND	0.0050	1	08/12/2019 14:05
trans-1,2-Dichloroethene	ND	0.0050	1	08/12/2019 14:05
1,2-Dichloropropane	ND	0.0050	1	08/12/2019 14:05
1,3-Dichloropropane	ND	0.0050	1	08/12/2019 14:05
2,2-Dichloropropane	ND	0.0050	1	08/12/2019 14:05

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/8/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**GC18 08121911.D**	**183240**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	08/12/2019 14:05
cis-1,3-Dichloropropene	ND	0.0050	1	08/12/2019 14:05
trans-1,3-Dichloropropene	ND	0.0050	1	08/12/2019 14:05
Diisopropyl ether (DIPE)	ND	0.0050	1	08/12/2019 14:05
Ethylbenzene	ND	0.0050	1	08/12/2019 14:05
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	08/12/2019 14:05
Freon 113	ND	0.0050	1	08/12/2019 14:05
Hexachlorobutadiene	ND	0.0050	1	08/12/2019 14:05
Hexachloroethane	ND	0.0050	1	08/12/2019 14:05
2-Hexanone	ND	0.0050	1	08/12/2019 14:05
Isopropylbenzene	ND	0.0050	1	08/12/2019 14:05
4-Isopropyl toluene	ND	0.0050	1	08/12/2019 14:05
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	08/12/2019 14:05
Methylene chloride	ND	0.020	1	08/12/2019 14:05
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	08/12/2019 14:05
Naphthalene	ND	0.0050	1	08/12/2019 14:05
n-Propyl benzene	ND	0.0050	1	08/12/2019 14:05
Styrene	ND	0.0050	1	08/12/2019 14:05
1,1,1,2-Tetrachloroethane	ND	0.0050	1	08/12/2019 14:05
1,1,2,2-Tetrachloroethane	ND	0.0050	1	08/12/2019 14:05
Tetrachloroethene	ND	0.0050	1	08/12/2019 14:05
Toluene	ND	0.0050	1	08/12/2019 14:05
1,2,3-Trichlorobenzene	ND	0.0050	1	08/12/2019 14:05
1,2,4-Trichlorobenzene	ND	0.0050	1	08/12/2019 14:05
1,1,1-Trichloroethane	ND	0.0050	1	08/12/2019 14:05
1,1,2-Trichloroethane	ND	0.0050	1	08/12/2019 14:05
Trichloroethene	ND	0.0050	1	08/12/2019 14:05
Trichlorofluoromethane	ND	0.0050	1	08/12/2019 14:05
1,2,3-Trichloropropane	ND	0.0050	1	08/12/2019 14:05
1,2,4-Trimethylbenzene	**0.0073**	0.0050	1	08/12/2019 14:05
1,3,5-Trimethylbenzene	ND	0.0050	1	08/12/2019 14:05
Vinyl Chloride	ND	0.0050	1	08/12/2019 14:05
m,p-Xylene	ND	0.0050	1	08/12/2019 14:05
o-Xylene	ND	0.0050	1	08/12/2019 14:05
Xylenes, Total	ND	0.0050	1	08/12/2019 14:05

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/8/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**GC18 08121911.D**	**183240**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**	**Limits**		
Dibromofluoromethane	100		66-116		08/12/2019 14:05
Toluene-d8	97		86-110		08/12/2019 14:05
4-BFB	92		71-114		08/12/2019 14:05
Benzene-d6	59	S	62-122		08/12/2019 14:05
Ethylbenzene-d10	60	S	69-130		08/12/2019 14:05
1,2-DCB-d4	51	S	55-108		08/12/2019 14:05

Analyst(s): TK Analytical Comments: c2

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002B**	**Water**	**08/08/2019 08:35**	**GC10 08121914.D**	**183366**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**16**	10	1	08/12/2019 15:35
tert-Amyl methyl ether (TAME)	ND	0.50	1	08/12/2019 15:35
Benzene	ND	0.50	1	08/12/2019 15:35
Bromobenzene	ND	0.50	1	08/12/2019 15:35
Bromochloromethane	ND	0.50	1	08/12/2019 15:35
Bromodichloromethane	ND	0.50	1	08/12/2019 15:35
Bromoform	ND	0.50	1	08/12/2019 15:35
Bromomethane	ND	0.50	1	08/12/2019 15:35
2-Butanone (MEK)	ND	5.0	1	08/12/2019 15:35
t-Butyl alcohol (TBA)	ND	5.0	1	08/12/2019 15:35
n-Butyl benzene	ND	0.50	1	08/12/2019 15:35
sec-Butyl benzene	ND	0.50	1	08/12/2019 15:35
tert-Butyl benzene	ND	0.50	1	08/12/2019 15:35
Carbon Disulfide	ND	0.50	1	08/12/2019 15:35
Carbon Tetrachloride	ND	0.50	1	08/12/2019 15:35
Chlorobenzene	ND	0.50	1	08/12/2019 15:35
Chloroethane	ND	0.50	1	08/12/2019 15:35
Chloroform	**1.5**	0.50	1	08/12/2019 15:35
Chloromethane	ND	0.50	1	08/12/2019 15:35
2-Chlorotoluene	ND	0.50	1	08/12/2019 15:35
4-Chlorotoluene	ND	0.50	1	08/12/2019 15:35
Dibromochloromethane	ND	0.50	1	08/12/2019 15:35
1,2-Dibromo-3-chloropropane	ND	0.20	1	08/12/2019 15:35
1,2-Dibromoethane (EDB)	ND	0.50	1	08/12/2019 15:35
Dibromomethane	ND	0.50	1	08/12/2019 15:35
1,2-Dichlorobenzene	ND	0.50	1	08/12/2019 15:35
1,3-Dichlorobenzene	ND	0.50	1	08/12/2019 15:35
1,4-Dichlorobenzene	ND	0.50	1	08/12/2019 15:35
Dichlorodifluoromethane	ND	0.50	1	08/12/2019 15:35
1,1-Dichloroethane	ND	0.50	1	08/12/2019 15:35
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	08/12/2019 15:35
1,1-Dichloroethene	ND	0.50	1	08/12/2019 15:35
cis-1,2-Dichloroethene	ND	0.50	1	08/12/2019 15:35
trans-1,2-Dichloroethene	ND	0.50	1	08/12/2019 15:35
1,2-Dichloropropane	ND	0.50	1	08/12/2019 15:35
1,3-Dichloropropane	ND	0.50	1	08/12/2019 15:35
2,2-Dichloropropane	ND	0.50	1	08/12/2019 15:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002B**	**Water**	**08/08/2019 08:35**	**GC10 08121914.D**	**183366**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	08/12/2019 15:35
cis-1,3-Dichloropropene	ND	0.50	1	08/12/2019 15:35
trans-1,3-Dichloropropene	ND	0.50	1	08/12/2019 15:35
Diisopropyl ether (DIPE)	ND	0.50	1	08/12/2019 15:35
Ethylbenzene	ND	0.50	1	08/12/2019 15:35
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	08/12/2019 15:35
Freon 113	ND	0.50	1	08/12/2019 15:35
Hexachlorobutadiene	ND	0.50	1	08/12/2019 15:35
Hexachloroethane	ND	0.50	1	08/12/2019 15:35
2-Hexanone	ND	1.0	1	08/12/2019 15:35
Isopropylbenzene	ND	0.50	1	08/12/2019 15:35
4-Isopropyl toluene	ND	0.50	1	08/12/2019 15:35
Methyl-t-butyl ether (MTBE)	ND	0.50	1	08/12/2019 15:35
Methylene chloride	ND	2.0	1	08/12/2019 15:35
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	08/12/2019 15:35
Naphthalene	ND	1.0	1	08/12/2019 15:35
n-Propyl benzene	ND	0.50	1	08/12/2019 15:35
Styrene	ND	2.0	1	08/12/2019 15:35
1,1,1,2-Tetrachloroethane	ND	0.50	1	08/12/2019 15:35
1,1,2,2-Tetrachloroethane	ND	0.50	1	08/12/2019 15:35
Tetrachloroethene	ND	0.50	1	08/12/2019 15:35
Toluene	ND	0.50	1	08/12/2019 15:35
1,2,3-Trichlorobenzene	ND	0.50	1	08/12/2019 15:35
1,2,4-Trichlorobenzene	ND	0.50	1	08/12/2019 15:35
1,1,1-Trichloroethane	ND	0.50	1	08/12/2019 15:35
1,1,2-Trichloroethane	ND	0.50	1	08/12/2019 15:35
Trichloroethene	ND	0.50	1	08/12/2019 15:35
Trichlorofluoromethane	ND	0.50	1	08/12/2019 15:35
1,2,3-Trichloropropane	ND	0.50	1	08/12/2019 15:35
1,2,4-Trimethylbenzene	ND	0.50	1	08/12/2019 15:35
1,3,5-Trimethylbenzene	ND	0.50	1	08/12/2019 15:35
Vinyl Chloride	ND	0.50	1	08/12/2019 15:35
m,p-Xylene	ND	0.50	1	08/12/2019 15:35
o-Xylene	ND	0.50	1	08/12/2019 15:35
Xylenes, Total	ND	0.50	1	08/12/2019 15:35

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/12/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002B**	**Water**	**08/08/2019 08:35**	**GC10 08121914.D**	**183366**

Analytes	Result	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	90		78-112	08/12/2019 15:35
Toluene-d8	79	S	82-109	08/12/2019 15:35
4-BFB	87		63-121	08/12/2019 15:35

Analyst(s): TK

Analytical Comments: b1,c12

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/9/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	1908479-001A	Soil	08/08/2019 08:45	GC17 08121916.D	183294

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.010	1	08/12/2019 16:40
Acenaphthylene	ND	0.010	1	08/12/2019 16:40
Acetochlor	ND	2.0	1	08/12/2019 16:40
Anthracene	ND	0.010	1	08/12/2019 16:40
Benzidine	ND	10	1	08/12/2019 16:40
Benzo (a) anthracene	ND	0.040	1	08/12/2019 16:40
Benzo (a) pyrene	**0.023**	0.020	1	08/12/2019 16:40
Benzo (b) fluoranthene	**0.013**	0.010	1	08/12/2019 16:40
Benzo (g,h,i) perylene	**0.031**	0.020	1	08/12/2019 16:40
Benzo (k) fluoranthene	ND	0.010	1	08/12/2019 16:40
Benzyl Alcohol	ND	10	1	08/12/2019 16:40
1,1-Biphenyl	ND	0.10	1	08/12/2019 16:40
Bis (2-chloroethoxy) Methane	ND	2.0	1	08/12/2019 16:40
Bis (2-chloroethyl) Ether	ND	0.020	1	08/12/2019 16:40
Bis (2-chloroisopropyl) Ether	ND	0.020	1	08/12/2019 16:40
Bis (2-ethylhexyl) Adipate	ND	4.0	1	08/12/2019 16:40
Bis (2-ethylhexyl) Phthalate	**1.2**	0.040	1	08/12/2019 16:40
4-Bromophenyl Phenyl Ether	ND	2.0	1	08/12/2019 16:40
Butylbenzyl Phthalate	ND	0.20	1	08/12/2019 16:40
4-Chloroaniline	ND	0.020	1	08/12/2019 16:40
4-Chloro-3-methylphenol	ND	2.0	1	08/12/2019 16:40
2-Chloronaphthalene	ND	2.0	1	08/12/2019 16:40
2-Chlorophenol	ND	0.040	1	08/12/2019 16:40
4-Chlorophenyl Phenyl Ether	ND	2.0	1	08/12/2019 16:40
Chrysene	ND	0.020	1	08/12/2019 16:40
Dibenzo (a,h) anthracene	ND	0.020	1	08/12/2019 16:40
Dibenzofuran	ND	2.0	1	08/12/2019 16:40
Di-n-butyl Phthalate	ND	0.020	1	08/12/2019 16:40
1,2-Dichlorobenzene	ND	2.0	1	08/12/2019 16:40
1,3-Dichlorobenzene	ND	2.0	1	08/12/2019 16:40
1,4-Dichlorobenzene	ND	2.0	1	08/12/2019 16:40
3,3-Dichlorobenzidine	ND	0.020	1	08/12/2019 16:40
2,4-Dichlorophenol	ND	0.10	1	08/12/2019 16:40
Diethyl Phthalate	ND	0.040	1	08/12/2019 16:40
2,4-Dimethylphenol	ND	2.0	1	08/12/2019 16:40
Dimethyl Phthalate	ND	0.020	1	08/12/2019 16:40
4,6-Dinitro-2-methylphenol	ND	10	1	08/12/2019 16:40

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/9/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	1908479-001A	Soil	08/08/2019 08:45	GC17 08121916.D	183294

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	1.0	1	08/12/2019 16:40
2,4-Dinitrotoluene	ND	0.050	1	08/12/2019 16:40
2,6-Dinitrotoluene	ND	0.020	1	08/12/2019 16:40
Di-n-octyl Phthalate	ND	0.040	1	08/12/2019 16:40
1,2-Diphenylhydrazine	ND	2.0	1	08/12/2019 16:40
Fluoranthene	**0.024**	0.010	1	08/12/2019 16:40
Fluorene	ND	0.020	1	08/12/2019 16:40
Hexachlorobenzene	ND	0.010	1	08/12/2019 16:40
Hexachlorobutadiene	ND	0.020	1	08/12/2019 16:40
Hexachlorocyclopentadiene	ND	16	1	08/12/2019 16:40
Hexachloroethane	ND	0.020	1	08/12/2019 16:40
Indeno (1,2,3-cd) pyrene	ND	0.020	1	08/12/2019 16:40
Isophorone	ND	2.0	1	08/12/2019 16:40
1-Methylnaphthalene	ND	0.010	1	08/12/2019 16:40
2-Methylnaphthalene	ND	0.020	1	08/12/2019 16:40
2-Methylphenol (o-Cresol)	ND	4.0	1	08/12/2019 16:40
3 & 4-Methylphenol (m,p-Cresol)	ND	2.0	1	08/12/2019 16:40
Naphthalene	ND	0.010	1	08/12/2019 16:40
2-Nitroaniline	ND	10	1	08/12/2019 16:40
3-Nitroaniline	ND	10	1	08/12/2019 16:40
4-Nitroaniline	ND	10	1	08/12/2019 16:40
Nitrobenzene	ND	2.0	1	08/12/2019 16:40
2-Nitrophenol	ND	10	1	08/12/2019 16:40
4-Nitrophenol	ND	10	1	08/12/2019 16:40
N-Nitrosodiphenylamine	ND	2.0	1	08/12/2019 16:40
N-Nitrosodi-n-propylamine	ND	2.0	1	08/12/2019 16:40
Pentachlorophenol	ND	0.25	1	08/12/2019 16:40
Phenanthrene	ND	0.040	1	08/12/2019 16:40
Phenol	ND	0.040	1	08/12/2019 16:40
Pyrene	**0.040**	0.020	1	08/12/2019 16:40
Pyridine	ND	2.0	1	08/12/2019 16:40
1,2,4-Trichlorobenzene	ND	2.0	1	08/12/2019 16:40
2,4,5-Trichlorophenol	ND	0.020	1	08/12/2019 16:40
2,4,6-Trichlorophenol	ND	0.10	1	08/12/2019 16:40

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/9/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**GC17 08121916.D**	**183294**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	106	56-152		08/12/2019 16:40
Phenol-d5	94	54-146		08/12/2019 16:40
Nitrobenzene-d5	94	47-147		08/12/2019 16:40
2-Fluorobiphenyl	79	46-141		08/12/2019 16:40
2,4,6-Tribromophenol	97	25-166		08/12/2019 16:40
4-Terphenyl-d14	64	39-153		08/12/2019 16:40

Analyst(s): REB Analytical Comments: a4

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	E625
Date Prepared:	8/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002C**	**Water**	**08/08/2019 08:35**	**GC17 08131922.D**	**183401**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.19	20	08/13/2019 19:31
Acenaphthylene	ND	0.19	20	08/13/2019 19:31
Acetochlor	ND	38	20	08/13/2019 19:31
Anthracene	ND	0.19	20	08/13/2019 19:31
Benzidine	ND	95	20	08/13/2019 19:31
Benzo (a) anthracene	ND	0.38	20	08/13/2019 19:31
Benzo (a) pyrene	ND	0.19	20	08/13/2019 19:31
Benzo (b) fluoranthene	ND	0.095	20	08/13/2019 19:31
Benzo (g,h,i) perylene	ND	0.38	20	08/13/2019 19:31
Benzo (k) fluoranthene	ND	0.19	20	08/13/2019 19:31
Benzoic Acid	ND	95	20	08/13/2019 19:31
Benzyl Alcohol	ND	95	20	08/13/2019 19:31
1,1-Biphenyl	ND	0.95	20	08/13/2019 19:31
Bis (2-chloroethoxy) Methane	ND	19	20	08/13/2019 19:31
Bis (2-chloroethyl) Ether	ND	0.095	20	08/13/2019 19:31
Bis (2-chloroisopropyl) Ether	ND	0.19	20	08/13/2019 19:31
Bis (2-ethylhexyl) Adipate	ND	57	20	08/13/2019 19:31
Bis (2-ethylhexyl) Phthalate	**2.8**	0.76	20	08/13/2019 19:31
4-Bromophenyl Phenyl Ether	ND	19	20	08/13/2019 19:31
Butylbenzyl Phthalate	ND	3.8	20	08/13/2019 19:31
4-Chloroaniline	ND	0.38	20	08/13/2019 19:31
4-Chloro-3-methylphenol	ND	19	20	08/13/2019 19:31
2-Chloronaphthalene	ND	19	20	08/13/2019 19:31
2-Chlorophenol	ND	0.38	20	08/13/2019 19:31
4-Chlorophenyl Phenyl Ether	ND	19	20	08/13/2019 19:31
Chrysene	ND	0.19	20	08/13/2019 19:31
Dibenzo (a,h) anthracene	ND	0.19	20	08/13/2019 19:31
Dibenzofuran	ND	19	20	08/13/2019 19:31
Di-n-butyl Phthalate	ND	0.38	20	08/13/2019 19:31
1,2-Dichlorobenzene	ND	38	20	08/13/2019 19:31
1,3-Dichlorobenzene	ND	38	20	08/13/2019 19:31
1,4-Dichlorobenzene	ND	38	20	08/13/2019 19:31
3,3-Dichlorobenzidine	ND	0.38	20	08/13/2019 19:31
2,4-Dichlorophenol	ND	0.19	20	08/13/2019 19:31
Diethyl Phthalate	ND	0.38	20	08/13/2019 19:31
2,4-Dimethylphenol	ND	19	20	08/13/2019 19:31
Dimethyl Phthalate	ND	0.38	20	08/13/2019 19:31

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	E625
Date Prepared:	8/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002C**	**Water**	**08/08/2019 08:35**	**GC17 08131922.D**	**183401**

Analytes	Result	RL	DF	Date Analyzed
4,6-Dinitro-2-methylphenol	ND	95	20	08/13/2019 19:31
2,4-Dinitrophenol	ND	9.5	20	08/13/2019 19:31
2,4-Dinitrotoluene	ND	0.47	20	08/13/2019 19:31
2,6-Dichlorophenol	ND	19	20	08/13/2019 19:31
2,6-Dinitrotoluene	ND	0.19	20	08/13/2019 19:31
Di-n-octyl Phthalate	ND	2.4	20	08/13/2019 19:31
1,2-Diphenylhydrazine	ND	19	20	08/13/2019 19:31
Fluoranthene	ND	0.19	20	08/13/2019 19:31
Fluorene	ND	0.19	20	08/13/2019 19:31
Hexachlorobenzene	ND	0.095	20	08/13/2019 19:31
Hexachlorobutadiene	ND	0.19	20	08/13/2019 19:31
Hexachlorocyclopentadiene	ND	95	20	08/13/2019 19:31
Hexachloroethane	ND	0.19	20	08/13/2019 19:31
Indeno (1,2,3-cd) pyrene	ND	0.38	20	08/13/2019 19:31
Isophorone	ND	19	20	08/13/2019 19:31
2-Methylnaphthalene	ND	0.19	20	08/13/2019 19:31
2-Methylphenol (o-Cresol)	ND	19	20	08/13/2019 19:31
3 & 4-Methylphenol (m,p-Cresol)	ND	19	20	08/13/2019 19:31
Naphthalene	**1.5**	0.19	20	08/13/2019 19:31
2-Nitroaniline	ND	95	20	08/13/2019 19:31
3-Nitroaniline	ND	95	20	08/13/2019 19:31
4-Nitroaniline	ND	95	20	08/13/2019 19:31
Nitrobenzene	ND	19	20	08/13/2019 19:31
2-Nitrophenol	ND	95	20	08/13/2019 19:31
4-Nitrophenol	ND	95	20	08/13/2019 19:31
N-Nitrosodiphenylamine	ND	19	20	08/13/2019 19:31
N-Nitrosodi-n-propylamine	ND	19	20	08/13/2019 19:31
Pentachlorophenol	ND	4.7	20	08/13/2019 19:31
Phenanthrene	ND	0.38	20	08/13/2019 19:31
Phenol	ND	0.38	20	08/13/2019 19:31
Pyrene	ND	0.38	20	08/13/2019 19:31
Pyridine	ND	19	20	08/13/2019 19:31
1,2,4-Trichlorobenzene	ND	19	20	08/13/2019 19:31
2,4,5-Trichlorophenol	ND	0.95	20	08/13/2019 19:31
2,4,6-Trichlorophenol	ND	0.95	20	08/13/2019 19:31
1-Methylnaphthalene	ND	0.19	20	08/13/2019 19:31

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	E625
Date Prepared:	8/12/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002C**	**Water**	**08/08/2019 08:35**	**GC17 08131922.D**	**183401**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	44	1-92		08/13/2019 19:31
Phenol-d5	48	5-104		08/13/2019 19:31
Nitrobenzene-d5	80	4-143		08/13/2019 19:31
2-Fluorobiphenyl	85	9-134		08/13/2019 19:31
2,4,6-Tribromophenol	106	1-159		08/13/2019 19:31
4-Terphenyl-d14	48	5-150		08/13/2019 19:31

Analyst(s): REB Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3050B
Date Prepared:	8/8/19	**Analytical Method:**	SW6020
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**ICP-MS3 076SMPL.D**	**183198**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	08/12/2019 21:05
Arsenic	**2.4**	0.50	1	08/12/2019 21:05
Barium	**82**	5.0	1	08/12/2019 21:05
Beryllium	ND	0.50	1	08/12/2019 21:05
Cadmium	**0.26**	0.25	1	08/12/2019 21:05
Chromium	**34**	0.50	1	08/12/2019 21:05
Cobalt	**5.6**	0.50	1	08/12/2019 21:05
Copper	**33**	0.50	1	08/12/2019 21:05
Lead	**18**	0.50	1	08/12/2019 21:05
Mercury	**0.43**	0.050	1	08/12/2019 21:05
Molybdenum	**0.51**	0.50	1	08/12/2019 21:05
Nickel	**40**	0.50	1	08/12/2019 21:05
Selenium	ND	0.50	1	08/12/2019 21:05
Silver	**0.60**	0.50	1	08/12/2019 21:05
Thallium	ND	0.50	1	08/12/2019 21:05
Vanadium	**25**	0.50	1	08/12/2019 21:05
Zinc	**63**	5.0	1	08/12/2019 21:05

Surrogates	REC (%)	Limits	
Terbium	104	70-130	08/12/2019 21:05

Analyst(s): JC

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	E200.8
Date Prepared:	8/8/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Metals (>1% Sediment Content)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002D**	**Water**	**08/08/2019 08:35**	**ICP-MS3 017SMPL.D**	**183183**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**9.3**	B	2.5	1	08/09/2019 16:45
Arsenic	**15**		2.5	1	08/09/2019 16:45
Barium	**90**		25	1	08/09/2019 16:45
Beryllium	ND		2.5	1	08/09/2019 16:45
Cadmium	ND		2.5	1	08/09/2019 16:45
Chromium	**3.2**		2.5	1	08/09/2019 16:45
Cobalt	ND		2.5	1	08/09/2019 16:45
Copper	**9.1**		2.5	1	08/09/2019 16:45
Lead	ND		2.5	1	08/09/2019 16:45
Mercury	**0.26**	B	0.25	1	08/09/2019 16:45
Molybdenum	**32**		2.5	1	08/09/2019 16:45
Nickel	**16**		2.5	1	08/09/2019 16:45
Selenium	ND		2.5	1	08/09/2019 16:45
Silver	ND		2.5	1	08/09/2019 16:45
Thallium	ND		2.5	1	08/09/2019 16:45
Vanadium	**6.1**		2.5	1	08/09/2019 16:45
Zinc	**48**		25	1	08/09/2019 16:45

Surrogates	REC (%)	Limits	
Terbium	112	70-130	08/09/2019 16:45

Analyst(s): MIG

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5035
Date Prepared:	8/8/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**GC19 08101932.D**	**183219**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
TPH(g) (C6-C12)	**1.1**	B	1.0	1	08/11/2019 03:31
MTBE	---		0.050	1	08/11/2019 03:31
Benzene	---		0.0050	1	08/11/2019 03:31
Toluene	---		0.0050	1	08/11/2019 03:31
Ethylbenzene	---		0.0050	1	08/11/2019 03:31
m,p-Xylene	---		0.010	1	08/11/2019 03:31
o-Xylene	---		0.0050	1	08/11/2019 03:31
Xylenes	---		0.0050	1	08/11/2019 03:31

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorotoluene	48	S	62-126	08/11/2019 03:31

Analyst(s): HD Analytical Comments: c2,d7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW5030B
Date Prepared:	8/13/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002A**	**Water**	**08/08/2019 08:35**	**GC3 08121934.D**	**183510**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	08/13/2019 15:10
MTBE	---	5.0	1	08/13/2019 15:10
Benzene	---	0.50	1	08/13/2019 15:10
Toluene	---	0.50	1	08/13/2019 15:10
Ethylbenzene	---	0.50	1	08/13/2019 15:10
m,p-Xylene	---	1.0	1	08/13/2019 15:10
o-Xylene	---	0.50	1	08/13/2019 15:10
Xylenes	---	0.50	1	08/13/2019 15:10

Surrogates	REC (%)	Limits	
aaa-TFT	88	76-115	08/13/2019 15:10

Analyst(s): HD

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3550B
Date Prepared:	8/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1+ A2 Rinse	**1908479-001A**	**Soil**	**08/08/2019 08:45**	**GC11A 08091968.D**	**183238**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**46**	20	20	08/10/2019 08:38
TPH-Motor Oil (C18-C36)	**190**	100	20	08/10/2019 08:38

Surrogates	REC (%)	Limits	
C9	105	74-123	08/10/2019 08:38

Analyst(s): TD Analytical Comments: e2,e7

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Analytical Report

Client:	Langan	**WorkOrder:**	1908479
Date Received:	8/8/19 18:40	**Extraction Method:**	SW3510C
Date Prepared:	8/8/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sub Area A1 +A2 Rinse	**1908479-002A**	**Water**	**08/08/2019 08:35**	**GC6B 08091951.D**	**183177**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**98**	50	1	08/10/2019 02:44
TPH-Motor Oil (C18-C36)	ND	250	1	08/10/2019 02:44

Surrogates	REC (%)	Limits	
C9	90	61-139	08/10/2019 02:44

Analyst(s): TD

Analytical Comments: b1,e2

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.039	0.10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0010	0.0050	-	-	-
Benzene	ND	0.0016	0.0050	-	-	-
Bromobenzene	ND	0.0030	0.0050	-	-	-
Bromochloromethane	ND	0.0015	0.0050	-	-	-
Bromodichloromethane	ND	0.0012	0.0050	-	-	-
Bromoform	ND	0.0012	0.0050	-	-	-
Bromomethane	ND	0.0020	0.0050	-	-	-
2-Butanone (MEK)	ND	0.021	0.050	-	-	-
t-Butyl alcohol (TBA)	ND	0.0053	0.050	-	-	-
n-Butyl benzene	ND	0.0035	0.0050	-	-	-
sec-Butyl benzene	ND	0.0034	0.0050	-	-	-
tert-Butyl benzene	ND	0.0029	0.0050	-	-	-
Carbon Disulfide	ND	0.0036	0.0050	-	-	-
Carbon Tetrachloride	ND	0.0017	0.0050	-	-	-
Chlorobenzene	ND	0.0018	0.0050	-	-	-
Chloroethane	ND	0.0016	0.0050	-	-	-
Chloroform	ND	0.0016	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0022	0.0050	-	-	-
4-Chlorotoluene	ND	0.0024	0.0050	-	-	-
Dibromochloromethane	ND	0.0011	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0037	0.0050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0013	0.0040	-	-	-
Dibromomethane	ND	0.0014	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0032	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0018	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.0011	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0017	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0014	0.0040	-	-	-
1,1-Dichloroethene	ND	0.0017	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0015	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0016	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0014	0.0050	-	-	-
1,3-Dichloropropane	ND	0.0016	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0015	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.0014	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0014	0.0050	-	-	-
Ethylbenzene	ND	0.0025	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0013	0.0050	-	-	-
Freon 113	ND	0.0016	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0050	0.0050	-	-	-
Hexachloroethane	ND	0.0025	0.0050	-	-	-
2-Hexanone	ND	0.0022	0.0050	-	-	-
Isopropylbenzene	ND	0.0032	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0032	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0013	0.0050	-	-	-
Methylene chloride	ND	0.010	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00080	0.0050	-	-	-
Naphthalene	ND	0.0044	0.0050	-	-	-
n-Propyl benzene	ND	0.0029	0.0050	-	-	-
Styrene	ND	0.0030	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0016	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
Tetrachloroethene	ND	0.0023	0.0050	-	-	-
Toluene	ND	0.0024	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0030	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0029	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0018	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0019	0.0050	-	-	-
Trichloroethene	ND	0.0017	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0016	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.0019	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.0028	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0026	0.0050	-	-	-
Vinyl Chloride	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0040	0.0050	-	-	-
o-Xylene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.12			0.125	95	66-112
Toluene-d8	0.13			0.125	103	92-109
4-BFB	0.012			0.0125	95	72-112
Benzene-d6	0.096			0.1	96	81-126
Ethylbenzene-d10	0.11			0.1	107	92-138
1,2-DCB-d4	0.081			0.1	81	68-108

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.23	0.23	0.20	117	113	59-127	3.54	20
tert-Amyl methyl ether (TAME)	0.017	0.017	0.020	87	85	54-98	2.14	20
Benzene	0.019	0.019	0.020	95	93	71-115	2.43	20
Bromobenzene	0.019	0.019	0.020	95	95	69-120	0	20
Bromochloromethane	0.021	0.020	0.020	103	100	63-117	3.34	20
Bromodichloromethane	0.018	0.018	0.020	92	90	61-109	1.90	20
Bromoform	0.015	0.015	0.020	74	73	46-87	0.285	20
Bromomethane	0.017	0.017	0.020	84	85	22-195	0.297	20
2-Butanone (MEK)	0.086	0.075	0.080	107	94	53-124	13.2	20
t-Butyl alcohol (TBA)	0.092	0.091	0.080	115	114	29-142	1.05	20
n-Butyl benzene	0.025	0.025	0.020	126	123	102-169	2.20	20
sec-Butyl benzene	0.026	0.025	0.020	129	124	100-166	3.80	20
tert-Butyl benzene	0.025	0.024	0.020	126	122	91-153	2.94	20
Carbon Disulfide	0.016	0.016	0.020	82	80	60-125	2.82	20
Carbon Tetrachloride	0.020	0.020	0.020	101	98	69-124	2.93	20
Chlorobenzene	0.019	0.019	0.020	96	94	73-116	2.06	20
Chloroethane	0.016	0.015	0.020	78	77	47-140	1.21	20
Chloroform	0.020	0.019	0.020	99	96	69-118	2.56	20
Chloromethane	0.011	0.011	0.020	57	55	30-132	4.28	20
2-Chlorotoluene	0.023	0.023	0.020	115	114	75-147	1.02	20
4-Chlorotoluene	0.021	0.021	0.020	107	106	75-137	1.25	20
Dibromochloromethane	0.017	0.017	0.020	87	85	57-105	1.81	20
1,2-Dibromo-3-chloropropane	0.0076	0.0075	0.010	76	75	36-103	0.648	20
1,2-Dibromoethane (EDB)	0.0089	0.0089	0.010	89	89	66-101	0	20
Dibromomethane	0.018	0.018	0.020	92	91	61-103	1.59	20
1,2-Dichlorobenzene	0.017	0.016	0.020	83	82	59-104	0.500	20
1,3-Dichlorobenzene	0.020	0.020	0.020	102	102	70-133	0	20
1,4-Dichlorobenzene	0.019	0.019	0.020	95	94	68-123	0.584	20
Dichlorodifluoromethane	0.0048	0.0047	0.020	24	24	13-107	0	20
1,1-Dichloroethane	0.019	0.018	0.020	94	92	69-118	2.69	20
1,2-Dichloroethane (1,2-DCA)	0.019	0.018	0.020	94	91	59-112	3.19	20
1,1-Dichloroethene	0.018	0.018	0.020	91	88	69-126	2.98	20
cis-1,2-Dichloroethene	0.019	0.019	0.020	95	93	69-116	1.54	20
trans-1,2-Dichloroethene	0.019	0.018	0.020	93	90	73-116	2.47	20
1,2-Dichloropropane	0.019	0.018	0.020	93	91	65-111	2.36	20
1,3-Dichloropropane	0.020	0.020	0.020	100	98	67-110	1.11	20
2,2-Dichloropropane	0.022	0.021	0.020	110	106	65-125	3.91	20
1,1-Dichloropropene	0.020	0.020	0.020	100	98	70-123	2.80	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.019	0.019	0.020	95	93	68-126	2.13	20
trans-1,3-Dichloropropene	0.020	0.019	0.020	99	97	69-117	1.99	20
Diisopropyl ether (DIPE)	0.018	0.018	0.020	91	89	57-110	1.93	20
Ethylbenzene	0.021	0.021	0.020	106	105	80-128	1.09	20
Ethyl tert-butyl ether (ETBE)	0.018	0.018	0.020	91	88	54-106	2.77	20
Freon 113	0.016	0.016	0.020	81	79	60-108	2.32	20
Hexachlorobutadiene	0.027	0.026	0.020	133	132	67-182	0.286	20
Hexachloroethane	0.023	0.022	0.020	113	112	85-156	1.11	20
2-Hexanone	0.015	0.015	0.020	75	77	37-90	2.31	20
Isopropylbenzene	0.025	0.025	0.020	126	124	64-167	1.63	20
4-Isopropyl toluene	0.024	0.023	0.020	119	117	88-167	2.12	20
Methyl-t-butyl ether (MTBE)	0.019	0.018	0.020	94	92	60-102	2.87	20
Methylene chloride	0.019	0.018	0.020	95	92	71-117	2.93	20
4-Methyl-2-pentanone (MIBK)	0.017	0.016	0.020	85	82	48-90	3.30	20
Naphthalene	0.0093	0.0094	0.020	46	47	29-65	0.831	20
n-Propyl benzene	0.025	0.025	0.020	126	124	88-161	1.76	20
Styrene	0.019	0.018	0.020	93	91	70-108	2.54	20
1,1,1,2-Tetrachloroethane	0.019	0.019	0.020	97	94	69-117	2.73	20
1,1,2,2-Tetrachloroethane	0.018	0.018	0.020	89	89	53-96	0	20
Tetrachloroethene	0.022	0.021	0.020	109	107	78-128	2.11	20
Toluene	0.020	0.019	0.020	100	97	78-121	2.50	20
1,2,3-Trichlorobenzene	0.011	0.011	0.020	57	56	35-80	1.03	20
1,2,4-Trichlorobenzene	0.014	0.015	0.020	72	74	46-101	1.65	20
1,1,1-Trichloroethane	0.020	0.020	0.020	102	99	69-121	2.87	20
1,1,2-Trichloroethane	0.018	0.018	0.020	91	89	64-104	2.12	20
Trichloroethene	0.020	0.019	0.020	99	96	73-118	2.53	20
Trichlorofluoromethane	0.017	0.016	0.020	83	79	31-119	3.87	20
1,2,3-Trichloropropane	0.0094	0.0093	0.010	94	93	65-107	1.42	20
1,2,4-Trimethylbenzene	0.022	0.021	0.020	110	106	80-147	3.73	20
1,3,5-Trimethylbenzene	0.023	0.023	0.020	116	113	83-156	2.37	20
Vinyl Chloride	0.0072	0.0069	0.010	72	69	40-125	3.48	20
m,p-Xylene	0.039	0.041	0.040	98	104	80-122	5.22	20
o-Xylene	0.020	0.020	0.020	100	98	79-116	1.82	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183240
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183240

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	96	96	66-112	0	20
Toluene-d8	0.13	0.13	0.12	103	102	92-109	0.364	20
4-BFB	0.012	0.012	0.012	97	95	72-112	1.47	20
Benzene-d6	0.097	0.094	0.10	97	94	81-126	2.67	20
Ethylbenzene-d10	0.11	0.10	0.10	107	105	92-138	1.96	20
1,2-DCB-d4	0.081	0.081	0.10	81	81	68-108	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	5.9	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	2.0	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.7	5.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.28	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.41	1.0	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	1.2	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.45	1.0	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	ND	0.59	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.25	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.18	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	22			25	88	76-110
Toluene-d8	20			25	82,F3	84-111
4-BFB	2.2			2.5	86	64-121

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	37	38	40	92	96	32-138	4.49	20
tert-Amyl methyl ether (TAME)	3.7	3.7	4	92	92	62-119	0	20
Benzene	3.9	3.9	4	96	96	71-126	0	20
Bromobenzene	3.4	3.6	4	86	89	66-117	3.18	20
Bromochloromethane	3.7	3.7	4	93	93	67-124	0	20
Bromodichloromethane	3.8	3.8	4	96	96	63-119	0	20
Bromoform	3.1	3.3	4	78	82	46-117	4.74	20
Bromomethane	3.3	3.3	4	82	83	32-171	1.59	20
2-Butanone (MEK)	17	17	16	108	108	48-136	0	20
t-Butyl alcohol (TBA)	15	15	16	96	93	40-131	3.99	20
n-Butyl benzene	4.1	4.1	4	103	103	75-125	0	20
sec-Butyl benzene	4.0	4.1	4	100	102	72-120	1.58	20
tert-Butyl benzene	3.8	3.8	4	94	96	63-118	1.59	20
Carbon Disulfide	4.0	4.0	4	101	101	64-126	0	20
Carbon Tetrachloride	3.9	3.9	4	97	97	67-122	0	20
Chlorobenzene	3.6	3.6	4	90	90	71-117	0	20
Chloroethane	3.9	3.8	4	98	96	53-136	1.92	20
Chloroform	4.0	4.0	4	101	101	67-126	0	20
Chloromethane	3.9	3.8	4	97	95	42-148	1.27	20
2-Chlorotoluene	3.5	3.5	4	88	88	70-117	0	20
4-Chlorotoluene	3.7	3.7	4	92	92	67-117	0	20
Dibromochloromethane	3.4	3.5	4	85	87	52-120	2.08	20
1,2-Dibromo-3-chloropropane	2.1	2.2	2	104	109	38-128	4.82	20
1,2-Dibromoethane (EDB)	1.9	1.9	2	94	95	58-117	0.841	20
Dibromomethane	3.8	3.8	4	94	94	66-120	0	20
1,2-Dichlorobenzene	3.6	3.7	4	90	92	71-117	2.52	20
1,3-Dichlorobenzene	3.6	3.6	4	89	90	74-116	1.00	20
1,4-Dichlorobenzene	3.5	3.5	4	87	87	71-115	0	20
Dichlorodifluoromethane	4.4	4.4	4	110	110	29-145	0	20
1,1-Dichloroethane	4.1	4.0	4	102	101	68-128	0.328	20
1,2-Dichloroethane (1,2-DCA)	4.1	4.1	4	102	101	61-123	0.815	20
1,1-Dichloroethene	4.0	4.0	4	101	100	65-126	1.08	20
cis-1,2-Dichloroethene	3.9	3.9	4	98	99	71-122	1.02	20
trans-1,2-Dichloroethene	4.0	4.0	4	101	101	70-126	0	20
1,2-Dichloropropane	3.8	3.8	4	94	96	67-124	1.76	20
1,3-Dichloropropane	3.9	3.9	4	97	97	65-120	0	20
2,2-Dichloropropane	4.2	4.2	4	105	104	71-127	0.697	20
1,1-Dichloropropene	4.1	4.0	4	102	101	69-122	0.587	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.8	3.8	4	94	95	63-119	1.01	20
trans-1,3-Dichloropropene	3.6	3.6	4	89	90	63-116	0.487	20
Diisopropyl ether (DIPE)	3.8	3.8	4	96	96	64-128	0	20
Ethylbenzene	3.9	3.9	4	98	98	69-120	0	20
Ethyl tert-butyl ether (ETBE)	3.7	3.7	4	92	91	63-120	0.341	20
Freon 113	4.0	4.1	4	101	101	67-126	0	20
Hexachlorobutadiene	3.6	3.7	4	89	92	50-140	2.73	20
Hexachloroethane	3.3	3.4	4	82	85	52-122	2.74	20
2-Hexanone	3.5	3.5	4	88	89	39-121	0.520	20
Isopropylbenzene	3.7	3.7	4	92	92	69-120	0	20
4-Isopropyl toluene	3.6	3.6	4	90	91	72-122	0.256	20
Methyl-t-butyl ether (MTBE)	3.9	3.8	4	97	95	60-121	1.91	20
Methylene chloride	3.7	3.7	4	93	93	40-148	0	20
4-Methyl-2-pentanone (MIBK)	3.4	3.4	4	85	85	48-115	0	20
Naphthalene	3.9	4.1	4	98	102	62-124	3.52	20
n-Propyl benzene	3.8	3.8	4	94	95	70-118	0.746	20
Styrene	3.8	3.8	4	95	96	57-118	0.930	20
1,1,1,2-Tetrachloroethane	3.6	3.6	4	89	89	63-117	0	20
1,1,2,2-Tetrachloroethane	3.5	3.6	4	88	89	60-116	0.835	20
Tetrachloroethene	3.8	3.8	4	94	94	60-131	0	20
Toluene	3.7	3.8	4	93	94	67-115	1.71	20
1,2,3-Trichlorobenzene	3.8	3.9	4	95	96	60-128	1.83	20
1,2,4-Trichlorobenzene	3.9	4.0	4	98	99	61-133	0.948	20
1,1,1-Trichloroethane	3.9	3.9	4	97	98	67-124	0.549	20
1,1,2-Trichloroethane	3.5	3.6	4	88	89	62-117	1.67	20
Trichloroethene	3.8	3.8	4	95	95	69-120	0	20
Trichlorofluoromethane	4.3	4.3	4	108	109	60-134	0.219	20
1,2,3-Trichloropropane	1.8	1.9	2	91	94	56-120	3.05	20
1,2,4-Trimethylbenzene	3.9	3.9	4	98	97	67-124	1.39	20
1,3,5-Trimethylbenzene	3.9	3.9	4	97	97	69-122	0	20
Vinyl Chloride	2.0	2.0	2	101	99	52-145	2.64	20
m,p-Xylene	7.5	7.5	8	93	94	67-119	0.641	20
o-Xylene	3.9	3.9	4	97	98	68-120	0.165	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183366
Date Analyzed:	8/12/19	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183366

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	22	22	25	88	87	76-110	0.625	20
Toluene-d8	21	21	25	82,F3	83,F3	84-111	0.938	20
4-BFB	2.1	2.1	2.5	84	83	64-121	0.394	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.0023	0.013	-	-	-
1,2,4-Trichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.15	0.25	-	-	-
1,2-Diphenylhydrazine	ND	0.15	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.18	0.25	-	-	-
1-Methylnaphthalene	ND	0.0011	0.0013	-	-	-
2,4,5-Trichlorophenol	ND	0.0013	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.0012	0.013	-	-	-
2,4-Dichlorophenol	ND	0.0017	0.013	-	-	-
2,4-Dimethylphenol	ND	0.16	0.25	-	-	-
2,4-Dinitrophenol	ND	0.051	0.13	-	-	-
2,4-Dinitrotoluene	ND	0.0011	0.0063	-	-	-
2,6-Dinitrotoluene	ND	0.0013	0.0025	-	-	-
2-Chloronaphthalene	ND	0.14	0.25	-	-	-
2-Chlorophenol	ND	0.0020	0.0050	-	-	-
2-Methylnaphthalene	ND	0.0017	0.0025	-	-	-
2-Methylphenol (o-Cresol)	ND	0.27	0.50	-	-	-
2-Nitroaniline	ND	0.69	1.2	-	-	-
2-Nitrophenol	ND	0.66	1.2	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.24	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.0016	0.0025	-	-	-
3-Nitroaniline	ND	0.84	1.2	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.81	1.2	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.15	0.25	-	-	-
4-Chloro-3-methylphenol	ND	0.20	0.25	-	-	-
4-Chloroaniline	ND	0.0016	0.0025	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.16	0.25	-	-	-
4-Nitroaniline	ND	1.1	1.2	-	-	-
4-Nitrophenol	ND	0.77	1.2	-	-	-
Acenaphthene	ND	0.00077	0.0013	-	-	-
Acenaphthylene	ND	0.00041	0.0013	-	-	-
Acetochlor	ND	0.25	0.25	-	-	-
Anthracene	ND	0.00082	0.0013	-	-	-
Benzidine	ND	0.67	1.2	-	-	-
Benzo (a) anthracene	ND	0.0043	0.0050	-	-	-
Benzo (a) pyrene	ND	0.0012	0.0025	-	-	-
Benzo (b) fluoranthene	ND	0.00074	0.0013	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.0011	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.00079	0.0013	-	-	-
Benzyl Alcohol	ND	0.76	1.2	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.15	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0016	0.0025	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0014	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.15	0.50	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0034	0.0050	-	-	-
Butylbenzyl Phthalate	ND	0.021	0.025	-	-	-
Chrysene	ND	0.00080	0.0025	-	-	-
Dibenzo (a,h) anthracene	ND	0.0015	0.0025	-	-	-
Dibenzofuran	ND	0.16	0.25	-	-	-
Diethyl Phthalate	ND	0.0036	0.0050	-	-	-
Dimethyl Phthalate	ND	0.0025	0.0025	-	-	-
Di-n-butyl Phthalate	ND	0.0020	0.0025	-	-	-
Di-n-octyl Phthalate	ND	0.0043	0.0050	-	-	-
Fluoranthene	ND	0.0011	0.0013	-	-	-
Fluorene	ND	0.00086	0.0025	-	-	-
Hexachlorobenzene	ND	0.00057	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00042	0.0025	-	-	-
Hexachlorocyclopentadiene	ND	0.11	2.0	-	-	-
Hexachloroethane	ND	0.0011	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0010	0.0025	-	-	-
Isophorone	ND	0.15	0.25	-	-	-
Naphthalene	ND	0.00069	0.0013	-	-	-
Nitrobenzene	ND	0.16	0.25	-	-	-
N-Nitrosodimethylamine	ND	0.65	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.15	0.25	-	-	-
Pentachlorophenol	ND	0.014	0.031	-	-	-
Phenanthrene	ND	0.00067	0.0050	-	-	-
Phenol	ND	0.00094	0.0050	-	-	-
Pyrene	ND	0.0014	0.0025	-	-	-
Pyridine	ND	0.18	0.25	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.3			1.25	103	54-131
Phenol-d5	1.2			1.25	98	52-129
Nitrobenzene-d5	1.1			1.25	87	43-127
2-Fluorobiphenyl	1.1			1.25	84	42-116
2,4,6-Tribromophenol	1.0			1.25	83	39-119
4-Terphenyl-d14	0.83			1.25	66	36-118

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.6	2.3	2.5	105	91	69-130	14.5	30
1,2-Dichlorobenzene	2.2	1.9	2.5	87	77	68-114	12.4	30
1,2-Diphenylhydrazine	2.5	2.1	2.5	100	86	62-142	15.4	30
1,3-Dichlorobenzene	2.2	2.0	2.5	90	81	69-116	10.8	30
1,4-Dichlorobenzene	2.4	2.2	2.5	96	86	64-117	10.5	30
1-Methylnaphthalene	0.13	0.12	0.12	103	92	65-134	11.4	30
2,4,5-Trichlorophenol	0.12	0.11	0.12	96	86	68-150	11.2	30
2,4,6-Trichlorophenol	0.11	0.10	0.12	92	82	70-144	10.9	30
2,4-Dichlorophenol	2.7	2.5	2.5	109	100	78-144	9.33	30
2,4-Dimethylphenol	2.8	2.5	2.5	112	98	71-152	12.9	30
2,4-Dinitrophenol	2.1	2.0	2.5	83	79	1-156	6.06	30
2,4-Dinitrotoluene	0.11	0.10	0.12	87	82	68-144	5.94	30
2,6-Dinitrotoluene	0.11	0.10	0.12	88	80	69-148	9.83	30
2-Chloronaphthalene	2.4	1.9	2.5	95	76	71-133	21.8	30
2-Chlorophenol	0.12	0.12	0.12	100	93	73-133	7.22	30
2-Methylnaphthalene	0.13	0.12	0.12	108	97	72-139	10.9	30
2-Methylphenol (o-Cresol)	2.4	2.2	2.5	96	88	69-138	8.33	30
2-Nitroaniline	12	11	12.5	96	90	72-143	6.31	30
2-Nitrophenol	13	12	12.5	106	96	80-141	10.4	30
3 & 4-Methylphenol (m,p-Cresol)	2.4	2.3	2.5	95	94	69-128	1.71	30
3,3-Dichlorobenzidine	0.091	0.078	0.12	73	62	11-163	15.5	30
3-Nitroaniline	9.3	8.4	12.5	75	67	57-122	10.5	30
4,6-Dinitro-2-methylphenol	11	9.6	12.5	86	77	14-155	10.6	30
4-Bromophenyl Phenyl Ether	2.4	2.0	2.5	94	82	68-136	14.3	30
4-Chloro-3-methylphenol	2.7	2.4	2.5	106	96	78-149	10.4	30
4-Chloroaniline	0.10	0.093	0.12	83	75	46-130	10.8	30
4-Chlorophenyl Phenyl Ether	2.2	2.0	2.5	89	80	71-132	10.7	30
4-Nitroaniline	9.7	8.9	12.5	78	71	68-133	9.22	30
4-Nitrophenol	11	11	12.5	92	88	67-144	4.15	30
Acenaphthene	0.12	0.10	0.12	92	82	68-134	11.0	30
Acenaphthylene	0.12	0.10	0.12	95	83	65-141	13.3	30
Anthracene	0.12	0.10	0.12	95	82	65-147	14.3	30
Benzidine	5.1	4.1	12.5	40	33	7-97	20.5	30
Benzo (a) anthracene	0.11	0.096	0.12	89	77	61-136	15.1	30
Benzo (a) pyrene	0.13	0.11	0.12	102	86	59-150	17.7	30
Benzo (b) fluoranthene	0.13	0.11	0.12	102	87	43-160	15.9	30
Benzo (g,h,i) perylene	0.11	0.085	0.12	85	68	54-142	22.5	30
Benzo (k) fluoranthene	0.13	0.10	0.12	100	84	59-141	17.8	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzyl Alcohol	13	11	12.5	100	91	48-145	9.83	30
Bis (2-chloroethoxy) Methane	2.7	2.4	2.5	107	98	71-138	9.55	30
Bis (2-chloroethyl) Ether	0.12	0.11	0.12	93	87	60-128	7.62	30
Bis (2-chloroisopropyl) Ether	0.13	0.12	0.12	102	99	67-129	2.60	30
Bis (2-ethylhexyl) Adipate	2.3	2.0	2.5	92	79	56-162	15.3	30
Bis (2-ethylhexyl) Phthalate	0.11	0.091	0.12	87	73	49-168	18.3	30
Butylbenzyl Phthalate	0.12	0.10	0.12	99	82	57-161	18.3	30
Chrysene	0.12	0.10	0.12	96	83	58-140	15.3	30
Dibenzo (a,h) anthracene	0.11	0.094	0.12	92	75	57-151	19.5	30
Dibenzofuran	2.2	2.0	2.5	89	80	70-134	10.9	30
Diethyl Phthalate	0.11	0.10	0.12	90	82	67-146	9.25	30
Dimethyl Phthalate	0.11	0.10	0.12	91	84	70-135	8.80	30
Di-n-butyl Phthalate	0.11	0.094	0.12	88	75	65-147	16.0	30
Di-n-octyl Phthalate	0.12	0.10	0.12	95	80	51-175	17.9	30
Fluoranthene	0.12	0.10	0.12	92	81	66-146	13.1	30
Fluorene	0.12	0.11	0.12	96	86	72-142	10.6	30
Hexachlorobenzene	0.12	0.10	0.12	92	80	65-127	14.6	30
Hexachlorobutadiene	0.13	0.11	0.12	101	86	68-131	16.5	30
Hexachlorocyclopentadiene	11	9.4	12.5	89	75	38-134	16.2	30
Hexachloroethane	0.12	0.10	0.12	92	83	57-117	10.8	30
Indeno (1,2,3-cd) pyrene	0.11	0.092	0.12	90	74	57-145	19.5	30
Isophorone	2.4	2.1	2.5	94	85	69-139	10.1	30
Naphthalene	0.12	0.11	0.12	97	84	64-127	14.0	30
Nitrobenzene	2.4	2.2	2.5	98	87	66-136	11.0	30
N-Nitrosodi-n-propylamine	2.3	2.1	2.5	91	85	74-118	6.81	30
N-Nitrosodiphenylamine	2.3	2.0	2.5	91	79	67-138	14.9	30
Pentachlorophenol	0.59	0.50	0.62	94	81	50-153	15.7	30
Phenanthrene	0.11	0.099	0.12	92	79	66-129	14.7	30
Phenol	0.44	0.41	0.50	88	81	58-136	7.60	30
Pyrene	0.13	0.11	0.12	103	88	55-148	16.1	30
Pyridine	1.3	1.2	2.5	53	50	46-93	5.55	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/9/19	**BatchID:**	183294
Date Analyzed:	8/9/19	**Extraction Method:**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183294

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.3	1.3	1.25	103	104	68-128	1.06	30
Phenol-d5	1.3	1.3	1.25	105	101	73-121	3.96	30
Nitrobenzene-d5	1.3	1.2	1.25	103	93	59-138	10.4	30
2-Fluorobiphenyl	1.2	1.1	1.25	93	85	59-129	8.66	30
2,4,6-Tribromophenol	1.2	1.1	1.25	93	85	46-142	8.22	30
4-Terphenyl-d14	0.96	0.88	1.25	77	71	50-143	8.18	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl	ND	0.012	0.050	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
1-Methylnaphthalene	ND	0.0052	0.010	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dichlorophenol	ND	0.48	1.0	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	0.0099,J	0.0086	0.020	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Acetochlor	ND	0.49	2.0	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzoic Acid	ND	2.7	5.0	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Diethyl Phthalate	0.018,J	0.015	0.020	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-
Di-n-butyl Phthalate	0.0097,J	0.0068	0.020	-	-	-
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	ND	0.0055	0.020	-	-	-
Phenol	ND	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	5.8			5	117	36-131
Phenol-d5	5.8			5	116	43-149
Nitrobenzene-d5	5.1			5	103	39-150
2-Fluorobiphenyl	5.3			5	107	43-133
2,4,6-Tribromophenol	6.6			5	131	42-147
4-Terphenyl-d14	4.7			5	94	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
1,1-Biphenyl	0.47	0.49	0.50	94	97	54-111	3.35	25
1,2,4-Trichlorobenzene	8.8	9.2	10	88	92	54-112	3.74	25
1,2-Dichlorobenzene	7.2	7.7	10	72	77	43-125	6.85	25
1,2-Diphenylhydrazine	9.2	9.5	10	92	95	53-110	3.86	25
1,3-Dichlorobenzene	7.8	8.4	10	78	84	55-108	7.85	25
1,4-Dichlorobenzene	8.2	8.4	10	82	84	52-108	2.85	25
1-Methylnaphthalene	0.48	0.50	0.50	96	101	55-123	4.68	25
2,4,5-Trichlorophenol	0.49	0.52	0.50	98	103	52-119	4.92	25
2,4,6-Trichlorophenol	0.48	0.51	0.50	97	101	53-115	4.48	25
2,4-Dichlorophenol	9.7	10	10	97	102	56-121	4.89	25
2,4-Dimethylphenol	9.1	9.8	10	91	98	47-112	7.81	25
2,4-Dinitrophenol	2.3	2.3	10	23,F2	23,F2	29-114	0	25
2,4-Dinitrotoluene	0.46	0.47	0.50	92	93	59-128	1.52	25
2,6-Dichlorophenol	9.4	9.9	10	94	99	57-117	5.10	25
2,6-Dinitrotoluene	0.48	0.50	0.50	95	99	56-118	3.67	25
2-Chloronaphthalene	8.6	9.0	10	86	90	54-109	4.29	25
2-Chlorophenol	0.41	0.42	0.50	81	84	51-117	3.32	25
2-Methylnaphthalene	0.51	0.54	0.50	102	108	51-132	5.73	25
2-Methylphenol (o-Cresol)	8.5	8.6	10	85	86	47-127	1.54	25
2-Nitroaniline	46	48	50	92	95	56-126	3.73	25
2-Nitrophenol	46	49	50	93	98	60-119	6.08	25
3 & 4-Methylphenol (m,p-Cresol)	9.3	9.6	10	93	96	51-126	3.43	25
3,3-Dichlorobenzidine	0.55	0.59	0.50	109	118	52-118	8.15	25
3-Nitroaniline	43	44	50	86	88	57-124	1.50	25
4,6-Dinitro-2-methylphenol	38	39	50	76	79	33-117	3.83	25
4-Bromophenyl Phenyl Ether	9.4	10	10	94	102	53-108	8.09	25
4-Chloro-3-methylphenol	10	11	10	103	106	60-126	2.96	25
4-Chloroaniline	0.50	0.53	0.50	101	105	57-121	4.22	25
4-Chlorophenyl Phenyl Ether	8.5	8.6	10	85	86	59-108	1.08	25
4-Nitroaniline	43	44	50	85	87	58-130	2.45	25
4-Nitrophenol	45	47	50	91	93	34-143	3.03	25
Acenaphthene	0.48	0.50	0.50	97	100	55-112	2.78	25
Acenaphthylene	0.51	0.52	0.50	101	104	53-109	2.74	25
Acetochlor	8.4	8.4	10	84	84	52-119	0	25
Anthracene	0.46	0.47	0.50	92	95	57-112	3.62	25
Benzidine	19	18	50	39	36	33-87	8.67	25
Benzo (a) anthracene	0.46	0.50	0.50	92	99	54-103	7.21	25
Benzo (a) pyrene	0.50	0.52	0.50	100	104	50-116	3.36	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (b) fluoranthene	0.48	0.50	0.50	96	100	49-111	3.56	25
Benzo (g,h,i) perylene	0.47	0.49	0.50	93	98	48-106	4.60	25
Benzo (k) fluoranthene	0.48	0.50	0.50	96	100	52-111	3.73	25
Benzoic Acid	40	42	50	79	84	48-139	5.63	25
Benzyl Alcohol	44	44	50	87	88	38-130	0.797	25
Bis (2-chloroethoxy) Methane	9.7	11	10	97	105	52-120	7.71	25
Bis (2-chloroethyl) Ether	0.42	0.42	0.50	83	85	37-142	1.63	25
Bis (2-chloroisopropyl) Ether	0.43	0.47	0.50	86	93	40-140	7.68	25
Bis (2-ethylhexyl) Adipate	9.0	9.8	10	90	98	49-109	8.83	25
Bis (2-ethylhexyl) Phthalate	0.56	0.52	0.50	111	103	39-136	7.63	25
Butylbenzyl Phthalate	0.53	0.57	0.50	106	114	48-124	6.70	25
Chrysene	0.46	0.49	0.50	93	98	53-104	5.92	25
Dibenzo (a,h) anthracene	0.52	0.53	0.50	104	105	51-112	1.06	25
Dibenzofuran	9.3	9.6	10	93	96	57-108	3.00	25
Diethyl Phthalate	0.48	0.50	0.50	96	99	56-122	3.10	25
Dimethyl Phthalate	0.52	0.53	0.50	104	107	49-121	2.87	25
Di-n-butyl Phthalate	0.49	0.51	0.50	99	102	52-121	2.98	25
Di-n-octyl Phthalate	0.58	0.59	0.50	115	117	36-152	1.66	25
Fluoranthene	0.50	0.51	0.50	99	102	56-117	2.88	25
Fluorene	0.50	0.51	0.50	100	103	58-119	3.04	25
Hexachlorobenzene	0.45	0.47	0.50	91	94	51-107	2.98	25
Hexachlorobutadiene	0.37	0.39	0.50	73	79	54-109	7.05	25
Hexachlorocyclopentadiene	34	35	50	67	70	26-107	3.31	25
Hexachloroethane	0.36	0.38	0.50	73	75	52-109	3.06	25
Indeno (1,2,3-cd) pyrene	0.51	0.53	0.50	103	106	50-107	3.36	25
Isophorone	9.0	9.4	10	90	94	58-120	4.33	25
Naphthalene	0.44	0.46	0.50	88	92	49-116	5.10	25
Nitrobenzene	8.5	8.7	10	85	87	52-119	2.55	25
N-Nitrosodi-n-propylamine	8.3	8.6	10	83	86	55-122	3.79	25
N-Nitrosodiphenylamine	8.9	9.3	10	89	93	56-106	4.94	25
Pentachlorophenol	1.9	1.9	2.5	75	77	45-119	2.94	25
Phenanthrene	0.44	0.48	0.50	89	96	56-108	7.33	25
Phenol	1.9	1.9	2	93	94	50-118	1.99	25
Pyrene	0.49	0.53	0.50	97	106,F2	49-104	8.25	25
Pyridine	6.0	6.7	10	60	67	36-96	10.4	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/12/19	**BatchID:**	183401
Date Analyzed:	8/13/19	**Extraction Method:**	E625
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183401

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	4.1	4.0	5	81	80	36-131	1.22	25
Phenol-d5	4.3	4.4	5	87	88	43-149	1.61	25
Nitrobenzene-d5	4.4	4.7	5	89	95	39-150	6.29	25
2-Fluorobiphenyl	4.5	4.6	5	89	91	43-133	2.11	25
2,4,6-Tribromophenol	4.6	4.9	5	92	97	42-147	5.33	25
4-Terphenyl-d14	3.6	3.9	5	73	77	44-124	5.99	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183198
Date Analyzed:	8/9/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183198

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.094	0.50	-	-	-
Arsenic	ND	0.14	0.50	-	-	-
Barium	ND	0.97	5.0	-	-	-
Beryllium	ND	0.072	0.50	-	-	-
Cadmium	ND	0.058	0.25	-	-	-
Chromium	ND	0.092	0.50	-	-	-
Cobalt	ND	0.056	0.50	-	-	-
Copper	ND	0.069	0.50	-	-	-
Lead	ND	0.094	0.50	-	-	-
Mercury	ND	0.0050	0.050	-	-	-
Molybdenum	ND	0.23	0.50	-	-	-
Nickel	ND	0.072	0.50	-	-	-
Selenium	ND	0.13	0.50	-	-	-
Silver	ND	0.055	0.50	-	-	-
Thallium	ND	0.10	0.50	-	-	-
Vanadium	ND	0.064	0.50	-	-	-
Zinc	ND	1.4	5.0	-	-	-
Surrogate Recovery						
Terbium	540			500	107	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183198
Date Analyzed:	8/9/19	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183198

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	57	56	50	114	112	75-125	1.93	20
Arsenic	53	51	50	106	102	75-125	4.43	20
Barium	550	500	500	110	101	75-125	8.75	20
Beryllium	54	53	50	108	107	75-125	1.06	20
Cadmium	52	49	50	105	99	75-125	5.65	20
Chromium	51	49	50	102	98	75-125	4.17	20
Cobalt	55	49	50	110	98	75-125	12.4	20
Copper	53	50	50	105	100	75-125	4.71	20
Lead	52	50	50	105	100	75-125	4.58	20
Mercury	1.3	1.3	1.25	104	105	75-125	0.383	20
Molybdenum	52	51	50	105	101	75-125	3.55	20
Nickel	52	50	50	105	100	75-125	4.42	20
Selenium	52	52	50	105	105	75-125	0	20
Silver	53	52	50	106	104	75-125	2.33	20
Thallium	51	48	50	103	96	75-125	6.48	20
Vanadium	52	49	50	104	99	75-125	5.06	20
Zinc	530	510	500	106	101	75-125	4.85	20
Surrogate Recovery								
Terbium	540	500	500	108	101	70-130	6.41	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183183
Date Analyzed:	8/8/19 - 8/9/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183183

QC Report for Metals (>1% Sediment Content)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	1.2,J	1.0	2.5	-	-	-
Arsenic	ND	0.79	2.5	-	-	-
Barium	ND	1.9	25	-	-	-
Beryllium	ND	0.35	2.5	-	-	-
Cadmium	ND	0.36	2.5	-	-	-
Chromium	ND	1.0	2.5	-	-	-
Cobalt	ND	0.22	2.5	-	-	-
Copper	ND	2.3	2.5	-	-	-
Lead	ND	1.0	2.5	-	-	-
Mercury	0.11,J	0.10	0.25	-	-	-
Molybdenum	ND	0.75	2.5	-	-	-
Nickel	ND	0.84	2.5	-	-	-
Selenium	ND	1.1	2.5	-	-	-
Silver	ND	0.26	2.5	-	-	-
Thallium	ND	0.21	2.5	-	-	-
Vanadium	ND	1.1	2.5	-	-	-
Zinc	ND	19	25	-	-	-
Surrogate Recovery						
Terbium	2300			2500	93	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183183
Date Analyzed:	8/8/19 - 8/9/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183183

QC Report for Metals (>1% Sediment Content)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	260	280	250	105	112	85-115	7.08	20
Arsenic	270	280	250	107	110	85-115	2.93	20
Barium	2600	2800	2500	105	114	85-115	8.01	20
Beryllium	260	280	250	104	111	85-115	6.65	20
Cadmium	260	280	250	106	111	85-115	4.68	20
Chromium	270	290	250	109	114	85-115	4.85	20
Cobalt	270	280	250	106	113	85-115	6.58	20
Copper	270	280	250	107	113	85-115	5.10	20
Lead	250	270	250	100	107	85-115	6.53	20
Mercury	6.4	6.6	6.25	102	106	85-115	4.31	20
Molybdenum	250	270	250	100	108	85-115	7.00	20
Nickel	270	280	250	107	111	85-115	4.33	20
Selenium	270	280	250	106	111	85-115	4.31	20
Silver	250	290	250	102	117,F2	85-115	14.1	20
Thallium	250	280	250	98	111	85-115	12.0	20
Vanadium	270	280	250	108	114	85-115	4.87	20
Zinc	2600	2800	2500	106	111	85-115	4.76	20
Surrogate Recovery								
Terbium	2400	2700	2500	98	108	70-130	9.56	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183219
Date Analyzed:	8/8/19 - 8/9/19	**Extraction Method:**	SW5035
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183219

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	0.16,J	0.090	1.0	-	-	-
MTBE	ND	0.0023	0.050	-	-	-
Benzene	ND	0.0010	0.0050	-	-	-
Toluene	ND	0.0012	0.0050	-	-	-
Ethylbenzene	ND	0.0020	0.0050	-	-	-
m,p-Xylene	ND	0.0013	0.010	-	-	-
o-Xylene	ND	0.0013	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.091			0.1	91	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.56	0.51	0.60	94	84	82-118	11.0	20
MTBE	0.090	0.088	0.10	90	88	61-119	2.48	20
Benzene	0.091	0.089	0.10	91	89	77-128	2.09	20
Toluene	0.096	0.093	0.10	96	93	74-132	2.49	20
Ethylbenzene	0.097	0.094	0.10	97	94	84-127	3.16	20
m,p-Xylene	0.20	0.19	0.20	100	97	80-120	3.34	20
o-Xylene	0.10	0.097	0.10	100	97	80-120	2.96	20
Surrogate Recovery								
2-Fluorotoluene	0.092	0.090	0.10	92	90	75-134	1.84	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/13/19	**BatchID:**	183510
Date Analyzed:	8/13/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183510

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.7			10	87	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	63	62	60	105	103	78-116	1.77	20
MTBE	9.5	9.2	10	95	92	72-122	2.72	20
Benzene	9.5	10	10	95	100	81-123	5.06	20
Toluene	9.9	10	10	99	104	83-129	5.10	20
Ethylbenzene	9.9	10	10	99	104	88-126	5.18	20
m,p-Xylene	20	21	20	100	106	80-120	5.53	20
o-Xylene	9.7	10	10	97	101	80-120	4.63	20
Surrogate Recovery								
aaa-TFT	8.9	8.9	10	89	89	74-117	0	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183238
Date Analyzed:	8/9/19 - 8/10/19	**Extraction Method:**	SW3550B
Instrument:	GC6A, GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183238

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.83	1.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.8	5.0	-	-	-
Surrogate Recovery						
C9	24			25	96	72-122

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42	41	40	104	103	75-128	0.595	30
Surrogate Recovery								
C9	24	23	25	96	93	72-122	2.83	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1908479
Date Prepared:	8/8/19	**BatchID:**	183177
Date Analyzed:	8/8/19	**Extraction Method:**	SW3510C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-183177

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	35	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	140	250	-	-	-
Surrogate Recovery						
C9	580			625	92	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1200	1100	1000	116	113	86-142	2.69	20
Surrogate Recovery								
C9	570	570	625	91	91	68-127	0	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1908479 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ Dry-Weight

Report to:
Dustyne Sutherland
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: 5 days;

Date Received: **08/08/2019**
Date Logged: **08/08/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1908479-001	Sub Area A1+ A2 Rinse	Soil	8/8/2019 08:45	☐	A		A		A		A		A			
1908479-002	Sub Area A1 +A2 Rinse	Water	8/8/2019 08:35	☐		B		C		D		A		A		

Test Legend:

1	8260B_S	2	8260B_W	3	8270_SCSM_S	4	8270_SCSM_W
5	CAM17MS_TTLC_S	6	CAM17MS_TTLC_Sed	7	G-MBTEX_S	8	G-MBTEX_W
9	TPH(DMO)_S	10	TPH(DMO)_W	11		12	

Prepared by: Kena Ponce

The following SampID: 001A contains testgroup Multi Range_S.; The following SampID: 002A contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1908479
QC Level: LEVEL 2
Date Logged: 8/8/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1908479-001A	Sub Area A1+ A2 Rinse	Soil	Multi-Range TPH	1	Stainless Steel tube 2"x6"	☐	8/8/2019 8:45	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8270C (SVOCs)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1908479-002A	Sub Area A1 +A2 Rinse	Water	Multi-Range TPH	2	VOA w/ HCl	☐	8/8/2019 8:35	5 days	1%+	☐	
1908479-002B	Sub Area A1 +A2 Rinse	Water	SW8260B (VOCs)	2	VOA w/ HCl	☐	8/8/2019 8:35	5 days	1%+	☐	
1908479-002C	Sub Area A1 +A2 Rinse	Water	SW8270C (SVOCs)	1	1LA Narrow Mouth, Unpres	☐	8/8/2019 8:35	5 days	1%+	☐	
1908479-002D	Sub Area A1 +A2 Rinse	Water	E200.8 (Metals)	1	250mL HDPE w/ HNO3	☐	8/8/2019 8:35	5 days	1%+	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

12869

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

- [X] ~~555 Montgomery~~ 135 Main Street, Suite ~~1300~~ 1500, San Francisco, CA ~~94111~~ 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

1909479

Site Name: 1548 Maple Street
Job Number: 731685405
Project Manager\Contact: Dustyne Sutherland/Grace Stafford
Samplers: Grace Stafford
Recorder (Signature Required): Grace Stafford

Turnaround Time: standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPH g/d/mo	VOCs	SVOCs	Total metals										Silica gel clean-up	Hold	Remarks
Sub Area A1+A2 Rinse	8/8/19	0845		X							X		X	X	X	X											Sediment, very loose
Sub Area A1+A2 Rinse	↓	0835			X			4		1	X		X	X	X	X											
																											#Samples say 8/7/19 but should say 8/8/19

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
Grace Stafford	8/8/19	1043	C Moore	8/8/19	1042
C Moore	8/8/19	1840		8/8/19	1840
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

4.3C

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

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

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

*CAM 17 Et up. Chromacord.

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**8/8/2019 18:40**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**8/8/2019**
		Received by:	Kena Ponce
WorkOrder №:	**1908479** Matrix: Soil/Water	Logged by:	Kena Ponce
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 4.3°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☑	No	☐	NA	☐
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1902A74

Report Created for: Langan

555 Montgomery St., Suite 1300
San Francisco, CA 94111

Project Contact: Dustyne Sutherland
Project P.O.:
Project: 731685405; 1548 Maple Street

Project Received: 02/21/2019

Analytical Report reviewed & approved for release on 02/25/2019 by:

Heidi Fruhlinger
Project Manager

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902A74

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Langan
Project: 731685405; 1548 Maple Street
WorkOrder: 1902A74

Analytical Qualifiers

F	Sample was filtered upon arrival to the lab
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a1	Sample diluted due to matrix interference
a3	Sample diluted due to high organic content.
e2	Diesel range compounds are significant; no recognizable pattern

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW3510C
Date Prepared:	2/21/19	**Analytical Method:**	SW8082
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001K**	**Water**	**02/21/2019 09:50**	**GC23 02211949.d**	**173345**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	02/22/2019 02:05
Aroclor1221	ND	0.50	1	02/22/2019 02:05
Aroclor1232	ND	0.50	1	02/22/2019 02:05
Aroclor1242	ND	0.50	1	02/22/2019 02:05
Aroclor1248	ND	0.50	1	02/22/2019 02:05
Aroclor1254	ND	0.50	1	02/22/2019 02:05
Aroclor1260	ND	0.50	1	02/22/2019 02:05
PCBs, total	ND	0.50	1	02/22/2019 02:05

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	120	61-139	02/22/2019 02:05

Analyst(s): LT

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW5030B
Date Prepared:	2/21/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001G**	**Water**	**02/21/2019 09:50**	**GC38 02211926.D**	**173399**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	02/21/2019 22:33
tert-Amyl methyl ether (TAME)	ND	0.50	1	02/21/2019 22:33
Benzene	ND	0.50	1	02/21/2019 22:33
Bromobenzene	ND	0.50	1	02/21/2019 22:33
Bromochloromethane	ND	0.50	1	02/21/2019 22:33
Bromodichloromethane	ND	0.50	1	02/21/2019 22:33
Bromoform	ND	0.50	1	02/21/2019 22:33
Bromomethane	ND	0.50	1	02/21/2019 22:33
2-Butanone (MEK)	ND	2.0	1	02/21/2019 22:33
t-Butyl alcohol (TBA)	ND	2.0	1	02/21/2019 22:33
n-Butyl benzene	ND	0.50	1	02/21/2019 22:33
sec-Butyl benzene	ND	0.50	1	02/21/2019 22:33
tert-Butyl benzene	ND	0.50	1	02/21/2019 22:33
Carbon Disulfide	ND	0.50	1	02/21/2019 22:33
Carbon Tetrachloride	ND	0.50	1	02/21/2019 22:33
Chlorobenzene	**6.2**	0.50	1	02/21/2019 22:33
Chloroethane	ND	0.50	1	02/21/2019 22:33
Chloroform	ND	0.50	1	02/21/2019 22:33
Chloromethane	ND	0.50	1	02/21/2019 22:33
2-Chlorotoluene	ND	0.50	1	02/21/2019 22:33
4-Chlorotoluene	ND	0.50	1	02/21/2019 22:33
Dibromochloromethane	ND	0.50	1	02/21/2019 22:33
1,2-Dibromo-3-chloropropane	ND	0.20	1	02/21/2019 22:33
1,2-Dibromoethane (EDB)	ND	0.50	1	02/21/2019 22:33
Dibromomethane	ND	0.50	1	02/21/2019 22:33
1,2-Dichlorobenzene	ND	0.50	1	02/21/2019 22:33
1,3-Dichlorobenzene	ND	0.50	1	02/21/2019 22:33
1,4-Dichlorobenzene	**1.2**	0.50	1	02/21/2019 22:33
Dichlorodifluoromethane	ND	0.50	1	02/21/2019 22:33
1,1-Dichloroethane	ND	0.50	1	02/21/2019 22:33
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	02/21/2019 22:33
1,1-Dichloroethene	ND	0.50	1	02/21/2019 22:33
cis-1,2-Dichloroethene	ND	0.50	1	02/21/2019 22:33
trans-1,2-Dichloroethene	ND	0.50	1	02/21/2019 22:33
1,2-Dichloropropane	ND	0.50	1	02/21/2019 22:33
1,3-Dichloropropane	ND	0.50	1	02/21/2019 22:33
2,2-Dichloropropane	ND	0.50	1	02/21/2019 22:33

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW5030B
Date Prepared:	2/21/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001G**	**Water**	**02/21/2019 09:50**	**GC38 02211926.D**	**173399**

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	02/21/2019 22:33
cis-1,3-Dichloropropene	ND	0.50	1	02/21/2019 22:33
trans-1,3-Dichloropropene	ND	0.50	1	02/21/2019 22:33
Diisopropyl ether (DIPE)	ND	0.50	1	02/21/2019 22:33
Ethylbenzene	ND	0.50	1	02/21/2019 22:33
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	02/21/2019 22:33
Freon 113	ND	0.50	1	02/21/2019 22:33
Hexachlorobutadiene	ND	0.50	1	02/21/2019 22:33
Hexachloroethane	ND	0.50	1	02/21/2019 22:33
2-Hexanone	ND	0.50	1	02/21/2019 22:33
Isopropylbenzene	ND	0.50	1	02/21/2019 22:33
4-Isopropyl toluene	ND	0.50	1	02/21/2019 22:33
Methyl-t-butyl ether (MTBE)	ND	0.50	1	02/21/2019 22:33
Methylene chloride	ND	2.0	1	02/21/2019 22:33
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	02/21/2019 22:33
Naphthalene	ND	0.50	1	02/21/2019 22:33
n-Propyl benzene	ND	0.50	1	02/21/2019 22:33
Styrene	ND	0.50	1	02/21/2019 22:33
1,1,1,2-Tetrachloroethane	ND	0.50	1	02/21/2019 22:33
1,1,2,2-Tetrachloroethane	ND	0.50	1	02/21/2019 22:33
Tetrachloroethene	ND	0.50	1	02/21/2019 22:33
Toluene	ND	0.50	1	02/21/2019 22:33
1,2,3-Trichlorobenzene	ND	0.50	1	02/21/2019 22:33
1,2,4-Trichlorobenzene	ND	0.50	1	02/21/2019 22:33
1,1,1-Trichloroethane	ND	0.50	1	02/21/2019 22:33
1,1,2-Trichloroethane	ND	0.50	1	02/21/2019 22:33
Trichloroethene	ND	0.50	1	02/21/2019 22:33
Trichlorofluoromethane	ND	0.50	1	02/21/2019 22:33
1,2,3-Trichloropropane	ND	0.50	1	02/21/2019 22:33
1,2,4-Trimethylbenzene	ND	0.50	1	02/21/2019 22:33
1,3,5-Trimethylbenzene	ND	0.50	1	02/21/2019 22:33
Vinyl Chloride	ND	0.50	1	02/21/2019 22:33
m,p-Xylene	ND	0.50	1	02/21/2019 22:33
o-Xylene	ND	0.50	1	02/21/2019 22:33
Xylenes, Total	ND	0.50	1	02/21/2019 22:33

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW5030B
Date Prepared:	2/21/19	**Analytical Method:**	SW8260B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001G**	**Water**	**02/21/2019 09:50**	**GC38 02211926.D**	**173399**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	98	81-144		02/21/2019 22:33
Toluene-d8	95	85-135		02/21/2019 22:33
4-BFB	86	63-145		02/21/2019 22:33

Analyst(s): AK

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	E625
Date Prepared:	2/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001F**	**Water**	**02/21/2019 09:50**	**GC17 02211992.D**	**173375**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.50	50	02/23/2019 02:56
Acenaphthylene	ND	0.50	50	02/23/2019 02:56
Acetochlor	ND	100	50	02/23/2019 02:56
Anthracene	ND	0.50	50	02/23/2019 02:56
Benzidine	ND	250	50	02/23/2019 02:56
Benzo (a) anthracene	ND	1.0	50	02/23/2019 02:56
Benzo (a) pyrene	ND	0.50	50	02/23/2019 02:56
Benzo (b) fluoranthene	ND	0.25	50	02/23/2019 02:56
Benzo (g,h,i) perylene	ND	1.0	50	02/23/2019 02:56
Benzo (k) fluoranthene	ND	0.50	50	02/23/2019 02:56
Benzyl Alcohol	ND	250	50	02/23/2019 02:56
1,1-Biphenyl	ND	2.5	50	02/23/2019 02:56
Bis (2-chloroethoxy) Methane	ND	50	50	02/23/2019 02:56
Bis (2-chloroethyl) Ether	ND	0.25	50	02/23/2019 02:56
Bis (2-chloroisopropyl) Ether	ND	0.50	50	02/23/2019 02:56
Bis (2-ethylhexyl) Adipate	ND	150	50	02/23/2019 02:56
Bis (2-ethylhexyl) Phthalate	ND	2.0	50	02/23/2019 02:56
4-Bromophenyl Phenyl Ether	ND	50	50	02/23/2019 02:56
Butylbenzyl Phthalate	ND	10	50	02/23/2019 02:56
4-Chloroaniline	ND	1.0	50	02/23/2019 02:56
4-Chloro-3-methylphenol	ND	50	50	02/23/2019 02:56
2-Chloronaphthalene	ND	50	50	02/23/2019 02:56
2-Chlorophenol	ND	1.0	50	02/23/2019 02:56
4-Chlorophenyl Phenyl Ether	ND	50	50	02/23/2019 02:56
Chrysene	ND	0.50	50	02/23/2019 02:56
Dibenzo (a,h) anthracene	ND	0.50	50	02/23/2019 02:56
Dibenzofuran	ND	50	50	02/23/2019 02:56
Di-n-butyl Phthalate	ND	1.0	50	02/23/2019 02:56
1,2-Dichlorobenzene	ND	100	50	02/23/2019 02:56
1,3-Dichlorobenzene	ND	100	50	02/23/2019 02:56
1,4-Dichlorobenzene	ND	100	50	02/23/2019 02:56
3,3-Dichlorobenzidine	ND	1.0	50	02/23/2019 02:56
2,4-Dichlorophenol	ND	0.50	50	02/23/2019 02:56
Diethyl Phthalate	ND	1.0	50	02/23/2019 02:56
2,4-Dimethylphenol	ND	50	50	02/23/2019 02:56
Dimethyl Phthalate	ND	1.0	50	02/23/2019 02:56
4,6-Dinitro-2-methylphenol	ND	250	50	02/23/2019 02:56

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	E625
Date Prepared:	2/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001F**	**Water**	**02/21/2019 09:50**	**GC17 02211992.D**	**173375**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrophenol	ND	25	50	02/23/2019 02:56
2,4-Dinitrotoluene	ND	1.2	50	02/23/2019 02:56
2,6-Dichlorophenol	ND	50	50	02/23/2019 02:56
2,6-Dinitrotoluene	ND	0.50	50	02/23/2019 02:56
Di-n-octyl Phthalate	ND	6.2	50	02/23/2019 02:56
1,2-Diphenylhydrazine	ND	50	50	02/23/2019 02:56
Fluoranthene	ND	0.50	50	02/23/2019 02:56
Fluorene	ND	0.50	50	02/23/2019 02:56
Hexachlorobenzene	ND	0.25	50	02/23/2019 02:56
Hexachlorobutadiene	ND	0.50	50	02/23/2019 02:56
Hexachlorocyclopentadiene	ND	250	50	02/23/2019 02:56
Hexachloroethane	ND	0.50	50	02/23/2019 02:56
Indeno (1,2,3-cd) pyrene	ND	1.0	50	02/23/2019 02:56
Isophorone	ND	50	50	02/23/2019 02:56
2-Methylnaphthalene	ND	0.50	50	02/23/2019 02:56
2-Methylphenol (o-Cresol)	ND	50	50	02/23/2019 02:56
3 & 4-Methylphenol (m,p-Cresol)	ND	50	50	02/23/2019 02:56
Naphthalene	ND	0.50	50	02/23/2019 02:56
2-Nitroaniline	ND	250	50	02/23/2019 02:56
3-Nitroaniline	ND	250	50	02/23/2019 02:56
4-Nitroaniline	ND	250	50	02/23/2019 02:56
Nitrobenzene	ND	50	50	02/23/2019 02:56
2-Nitrophenol	ND	250	50	02/23/2019 02:56
4-Nitrophenol	ND	250	50	02/23/2019 02:56
N-Nitrosodiphenylamine	ND	50	50	02/23/2019 02:56
N-Nitrosodi-n-propylamine	ND	50	50	02/23/2019 02:56
Pentachlorophenol	ND	12	50	02/23/2019 02:56
Phenanthrene	ND	1.0	50	02/23/2019 02:56
Phenol	ND	1.0	50	02/23/2019 02:56
Pyrene	ND	1.0	50	02/23/2019 02:56
Pyridine	ND	50	50	02/23/2019 02:56
1,2,4-Trichlorobenzene	ND	50	50	02/23/2019 02:56
2,4,5-Trichlorophenol	ND	2.5	50	02/23/2019 02:56
2,4,6-Trichlorophenol	ND	2.5	50	02/23/2019 02:56
1-Methylnaphthalene	ND	0.50	50	02/23/2019 02:56

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	E625
Date Prepared:	2/22/19	**Analytical Method:**	SW8270C
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001F**	**Water**	**02/21/2019 09:50**	**GC17 02211992.D**	**173375**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
2-Fluorophenol	64	1-92		02/23/2019 02:56
Phenol-d5	48	5-104		02/23/2019 02:56
Nitrobenzene-d5	53	4-143		02/23/2019 02:56
2-Fluorobiphenyl	53	9-134		02/23/2019 02:56
2,4,6-Tribromophenol	77	1-159		02/23/2019 02:56
4-Terphenyl-d14	68	5-150		02/23/2019 02:56

Analyst(s): REB Analytical Comments: a3

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	E200.8
Date Prepared:	2/21/19	**Analytical Method:**	E200.8
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Dissolved CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001H**	**Water**	**02/21/2019 09:50**	**ICP-MS3 057SMPL.D**	**173367**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**3.3**	F	0.50	1	02/22/2019 14:13
Arsenic	**6.0**	F	0.50	1	02/22/2019 14:13
Barium	**24**	F	5.0	1	02/22/2019 14:13
Beryllium	ND	F	0.50	1	02/22/2019 14:13
Cadmium	ND	F	0.25	1	02/22/2019 14:13
Chromium	**3.3**	F	0.50	1	02/22/2019 14:13
Cobalt	**1.1**	F	0.50	1	02/22/2019 14:13
Copper	**10**	F	0.50	1	02/22/2019 14:13
Lead	ND	F	0.50	1	02/22/2019 14:13
Mercury	**0.080**	F	0.050	1	02/22/2019 14:13
Molybdenum	**25**	F	0.50	1	02/22/2019 14:13
Nickel	**5.7**	F	0.50	1	02/22/2019 14:13
Selenium	**0.62**	F	0.50	1	02/22/2019 14:13
Silver	ND	F	0.19	1	02/22/2019 14:13
Thallium	ND	F	0.50	1	02/22/2019 14:13
Vanadium	**11**	F	0.50	1	02/22/2019 14:13
Zinc	ND	F	15	1	02/22/2019 14:13

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	Kelada-01
Date Prepared:	2/22/19	**Analytical Method:**	Kelada-01
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Cyanide, Total

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001E**	**Water**	**02/21/2019 09:50**	**WC_SKALAR 022219A1_A74**	**173456**

Analytes	Result	RL	DF	Date Analyzed
Total Cyanide	ND	5.0	5	02/22/2019 10:58

Analyst(s): NM

Analytical Comments: a1

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW1010
Date Prepared:	2/21/19	**Analytical Method:**	SW1010
Project:	731685405; 1548 Maple Street	**Unit:**	°C

Flash Point by SW1010

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001I**	**Water**	**02/21/2019 09:50**	**WetChem**	**173426**

Analytes	Result	Accuracy	DF	Date Analyzed
Flash Point	**>100**	±2	1	02/21/2019 19:55

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW5030B
Date Prepared:	2/22/19	**Analytical Method:**	SW8021B/8015Bm
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001J**	**Water**	**02/21/2019 09:50**	**GC3 02221911.D**	**173470**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	02/22/2019 16:59
MTBE	---	5.0	1	02/22/2019 16:59
Benzene	---	0.50	1	02/22/2019 16:59
Toluene	---	0.50	1	02/22/2019 16:59
Ethylbenzene	---	0.50	1	02/22/2019 16:59
m,p-Xylene	---	1.0	1	02/22/2019 16:59
o-Xylene	---	0.50	1	02/22/2019 16:59
Xylenes	---	0.50	1	02/22/2019 16:59

Surrogates	REC (%)	Limits	
aaa-TFT	91	76-115	02/22/2019 16:59

Analyst(s): IA

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	E420.4
Date Prepared:	2/22/19	**Analytical Method:**	E420.4
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Phenolics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001D**	**Water**	**02/21/2019 09:50**	**WC_SKALAR 022219A1_24**	**173468**

Analytes	Result	RL	DF	Date Analyzed
Phenolics	**2.8**	2.0	1	02/22/2019 11:24

Analyst(s): NM

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SM2510B
Date Prepared:	2/22/19	**Analytical Method:**	SM2510Bm-1997
Project:	731685405; 1548 Maple Street	**Unit:**	g/L

Salinity in g/L

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001A**	**Water**	**02/21/2019 09:50**	**WetChem**	**173437**

Analytes	Result	RL	DF	Date Analyzed
Salinity	**1.19 @ 21.3 °C**	1.00	1	02/22/2019 14:28

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SM2510 B
Date Prepared:	2/21/19	**Analytical Method:**	SM2510B
Project:	731685405; 1548 Maple Street	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001B**	**Water**	**02/21/2019 09:50**	**WetChem**	**173430**

Analytes	Result	RL	DF	Date Analyzed
Specific Conductivity	**2320**	10.0	1	02/21/2019 20:37

Analyst(s): PHU

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SW3510C
Date Prepared:	2/21/19	**Analytical Method:**	SW8015B
Project:	731685405; 1548 Maple Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001J**	**Water**	**02/21/2019 09:50**	**GC11B 02211955.D**	**173378**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**91**	50	1	02/22/2019 04:18
TPH-Motor Oil (C18-C36)	ND	250	1	02/22/2019 04:18

Surrogates	REC (%)	Limits	
C9	99	61-139	02/22/2019 04:18

Analyst(s): JIS Analytical Comments: e2

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Analytical Report

Client:	Langan	**WorkOrder:**	1902A74
Date Received:	2/21/19 14:15	**Extraction Method:**	SM2540 D-1997
Date Prepared:	2/22/19	**Analytical Method:**	SM2540 D-1997
Project:	731685405; 1548 Maple Street	**Unit:**	mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Area A-D Water	**1902A74-001H**	**Water**	**02/21/2019 09:50**	**WetChem**	**173473**

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**65.4**	2.00	2	02/22/2019 13:35

Analyst(s): AL

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/20/19	**BatchID:**	173345
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	SW3510C
Instrument:	GC23, GC40	**Analytical Method:**	SW8082
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173345

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.12	0.50	-	-	-
Aroclor1221	ND	0.18	0.50	-	-	-
Aroclor1232	ND	0.13	0.50	-	-	-
Aroclor1242	ND	0.080	0.50	-	-	-
Aroclor1248	ND	0.28	0.50	-	-	-
Aroclor1254	ND	0.16	0.50	-	-	-
Aroclor1260	ND	0.11	0.50	-	-	-
PCBs, total	ND	N/A	0.50	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	1.2			1.25	95	61-139

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	3.7	4.0	3.75	98	107	81-145	8.80	20
Aroclor1260	3.9	4.3	3.75	105	115	76-149	9.32	20
Surrogate Recovery								
Decachlorobiphenyl	1.6	1.6	1.25	128	127	61-139	0.768	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	1.7	10	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.22	0.50	-	-	-
Benzene	ND	0.051	0.50	-	-	-
Bromobenzene	ND	0.060	0.50	-	-	-
Bromochloromethane	ND	0.090	0.50	-	-	-
Bromodichloromethane	ND	0.20	0.50	-	-	-
Bromoform	ND	0.066	0.50	-	-	-
Bromomethane	ND	0.16	0.50	-	-	-
2-Butanone (MEK)	ND	0.49	2.0	-	-	-
t-Butyl alcohol (TBA)	ND	0.94	2.0	-	-	-
n-Butyl benzene	ND	0.084	0.50	-	-	-
sec-Butyl benzene	ND	0.060	0.50	-	-	-
tert-Butyl benzene	ND	0.050	0.50	-	-	-
Carbon Disulfide	ND	0.066	0.50	-	-	-
Carbon Tetrachloride	ND	0.069	0.50	-	-	-
Chlorobenzene	ND	0.050	0.50	-	-	-
Chloroethane	ND	0.31	0.50	-	-	-
Chloroform	ND	0.064	0.50	-	-	-
Chloromethane	ND	0.13	0.50	-	-	-
2-Chlorotoluene	ND	0.070	0.50	-	-	-
4-Chlorotoluene	ND	0.070	0.50	-	-	-
Dibromochloromethane	ND	0.080	0.50	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.12	0.20	-	-	-
1,2-Dibromoethane (EDB)	ND	0.12	0.50	-	-	-
Dibromomethane	ND	0.080	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.080	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.071	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.072	0.50	-	-	-
Dichlorodifluoromethane	ND	0.063	0.50	-	-	-
1,1-Dichloroethane	ND	0.060	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.090	0.50	-	-	-
1,1-Dichloroethene	ND	0.086	0.50	-	-	-
cis-1,2-Dichloroethene	ND	0.050	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.060	0.50	-	-	-
1,2-Dichloropropane	ND	0.055	0.50	-	-	-
1,3-Dichloropropane	ND	0.10	0.50	-	-	-
2,2-Dichloropropane	ND	0.10	0.50	-	-	-
1,1-Dichloropropene	ND	0.060	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.090	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.070	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.070	0.50	-	-	-
Ethylbenzene	ND	0.050	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.070	0.50	-	-	-
Freon 113	ND	0.066	0.50	-	-	-
Hexachlorobutadiene	ND	0.085	0.50	-	-	-
Hexachloroethane	ND	0.060	0.50	-	-	-
2-Hexanone	ND	0.44	0.50	-	-	-
Isopropylbenzene	ND	0.070	0.50	-	-	-
4-Isopropyl toluene	ND	0.050	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.10	0.50	-	-	-
Methylene chloride	ND	0.052	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.24	0.50	-	-	-
Naphthalene	ND	0.16	0.50	-	-	-
n-Propyl benzene	ND	0.060	0.50	-	-	-
Styrene	0.12,J	0.060	0.50	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.070	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.11	0.50	-	-	-
Tetrachloroethene	ND	0.082	0.50	-	-	-
Toluene	ND	0.040	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.11	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.086	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.050	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.080	0.50	-	-	-
Trichloroethene	ND	0.060	0.50	-	-	-
Trichlorofluoromethane	ND	0.047	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.14	0.50	-	-	-
1,2,4-Trimethylbenzene	ND	0.065	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.070	0.50	-	-	-
Vinyl Chloride	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.11	0.50	-	-	-
o-Xylene	ND	0.060	0.50	-	-	-
Xylenes, Total	ND	N/A	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	23			25	91	82-142
Toluene-d8	24			25	96	85-137
4-BFB	2.1			2.5	84	66-144

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	170	150	200	84	77	46-128	7.80	20
tert-Amyl methyl ether (TAME)	8.0	7.5	10	80	75	65-118	6.87	20
Benzene	9.3	8.6	10	93	86	71-120	7.86	20
Bromobenzene	9.0	9.0	10	90	90	67-121	0	20
Bromochloromethane	9.6	8.8	10	96	88	71-127	8.23	20
Bromodichloromethane	9.3	8.7	10	93	87	67-120	7.52	20
Bromoform	8.8	8.8	10	88	88	59-121	0	20
Bromomethane	8.7	7.6	10	87	76	44-175	14.0	20
2-Butanone (MEK)	33	31	40	82	77	50-121	6.48	20
t-Butyl alcohol (TBA)	30	28	40	74	71	47-123	4.93	20
n-Butyl benzene	10	10	10	103	102	71-128	1.02	20
sec-Butyl benzene	9.8	9.8	10	98	98	75-123	0	20
tert-Butyl benzene	9.3	9.4	10	93	94	70-121	0.586	20
Carbon Disulfide	9.7	8.9	10	97	89	75-121	8.98	20
Carbon Tetrachloride	9.7	9.0	10	97	90	73-117	7.44	20
Chlorobenzene	9.4	9.4	10	94	94	73-119	0	20
Chloroethane	9.0	7.4	10	90	74	60-144	20.3,F2	20
Chloroform	9.4	8.7	10	94	87	72-120	7.95	20
Chloromethane	8.0	7.1	10	80	71	28-145	11.4	20
2-Chlorotoluene	9.4	9.4	10	94	94	76-121	0	20
4-Chlorotoluene	9.2	9.2	10	92	92	72-119	0	20
Dibromochloromethane	9.4	9.4	10	94	94	66-122	0	20
1,2-Dibromo-3-chloropropane	3.4	3.4	4	85	85	50-123	0	20
1,2-Dibromoethane (EDB)	9.5	9.4	10	95	94	68-117	0.255	20
Dibromomethane	9.4	8.7	10	94	87	67-121	7.53	20
1,2-Dichlorobenzene	9.1	9.2	10	91	92	70-121	1.06	20
1,3-Dichlorobenzene	9.6	9.6	10	96	96	69-125	0	20
1,4-Dichlorobenzene	9.3	9.2	10	93	92	67-123	0.194	20
Dichlorodifluoromethane	7.5	6.7	10	75	67	19-147	11.0	20
1,1-Dichloroethane	9.2	8.4	10	92	84	72-121	8.10	20
1,2-Dichloroethane (1,2-DCA)	8.9	8.2	10	89	82	64-120	7.99	20
1,1-Dichloroethene	10	9.3	10	101	93	76-123	9.04	20
cis-1,2-Dichloroethene	9.4	8.7	10	94	87	71-124	7.55	20
trans-1,2-Dichloroethene	9.5	8.7	10	95	87	74-124	8.55	20
1,2-Dichloropropane	9.2	8.6	10	92	86	70-120	7.45	20
1,3-Dichloropropane	9.8	9.7	10	98	97	66-119	0.629	20
2,2-Dichloropropane	8.9	8.3	10	89	83	67-126	7.51	20
1,1-Dichloropropene	9.8	8.9	10	98	89	73-120	8.68	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	9.7	9.7	10	97	97	69-121	0	20
trans-1,3-Dichloropropene	9.6	9.6	10	96	96	70-121	0	20
Diisopropyl ether (DIPE)	8.3	7.7	10	83	77	68-123	7.16	20
Ethylbenzene	9.4	9.4	10	94	94	75-116	0	20
Ethyl tert-butyl ether (ETBE)	7.5	7.0	10	75	70	67-120	6.89	20
Freon 113	9.4	8.7	10	94	87	75-117	8.15	20
Hexachlorobutadiene	9.6	9.5	10	96	95	66-127	1.97	20
Hexachloroethane	9.3	9.5	10	93	95	69-127	1.75	20
2-Hexanone	7.8	8.0	10	78	80	50-116	2.67	20
Isopropylbenzene	9.1	9.3	10	91	93	70-127	1.27	20
4-Isopropyl toluene	9.8	9.8	10	98	98	71-124	0	20
Methyl-t-butyl ether (MTBE)	8.2	7.6	10	82	76	64-121	7.57	20
Methylene chloride	8.8	8.0	10	88	80	66-115	9.11	20
4-Methyl-2-pentanone (MIBK)	8.6	8.7	10	86	87	50-119	0.631	20
Naphthalene	9.1	9.3	10	91	93	63-121	2.34	20
n-Propyl benzene	9.8	9.9	10	98	99	74-122	1.44	20
Styrene	9.2	9.2	10	92	92	69-118	0	20
1,1,1,2-Tetrachloroethane	9.6	9.7	10	96	97	71-120	0.970	20
1,1,2,2-Tetrachloroethane	8.5	8.6	10	85	86	58-123	0.477	20
Tetrachloroethene	9.7	9.7	10	97	97	72-118	0	20
Toluene	9.6	9.7	10	96	97	73-111	0.409	20
1,2,3-Trichlorobenzene	9.6	9.8	10	96	98	63-125	1.90	20
1,2,4-Trichlorobenzene	9.9	9.9	10	99	99	66-128	0	20
1,1,1-Trichloroethane	9.4	8.7	10	94	87	72-118	7.75	20
1,1,2-Trichloroethane	8.7	8.7	10	87	87	66-118	0	20
Trichloroethene	9.5	8.7	10	95	87	71-121	7.78	20
Trichlorofluoromethane	5.5	5.6	10	55, F2	56, F2	59-125	2.17	20
1,2,3-Trichloropropane	8.6	8.6	10	86	86	62-120	0	20
1,2,4-Trimethylbenzene	9.6	9.6	10	96	96	73-120	0	20
1,3,5-Trimethylbenzene	9.4	9.4	10	94	94	67-123	0	20
Vinyl Chloride	8.9	8.0	10	89	80	60-138	11.4	20
m,p-Xylene	20	20	20	98	99	74-118	1.02	20
o-Xylene	9.5	9.5	10	95	95	73-119	0	20
Xylenes, Total	29	29	30	97	98	74-118	0.769	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173399
Date Analyzed:	2/21/19	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173399

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	26	24	25	103	95	82-142	7.87	20
Toluene-d8	24	24	25	97	97	85-137	0	20
4-BFB	2.1	2.2	2.5	85	87	66-144	2.89	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,6-Dichlorophenol	ND	0.48	1.0	-	-	-
Benzoic Acid	ND	2.7	5.0	-	-	-
Acenaphthene	ND	0.0051	0.010	-	-	-
Acenaphthylene	ND	0.0050	0.010	-	-	-
Acetochlor	ND	0.49	2.0	-	-	-
Anthracene	ND	0.0043	0.010	-	-	-
Benzidine	ND	0.55	5.0	-	-	-
Benzo (a) anthracene	ND	0.019	0.020	-	-	-
Benzo (a) pyrene	ND	0.0064	0.010	-	-	-
Benzo (b) fluoranthene	ND	0.0040	0.0050	-	-	-
Benzo (g,h,i) perylene	ND	0.0071	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0063	0.010	-	-	-
Benzyl Alcohol	ND	2.9	5.0	-	-	-
1,1-Biphenyl	ND	0.012	0.050	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.84	1.0	-	-	-
Bis (2-chloroethyl) Ether	ND	0.0021	0.0050	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0089	0.010	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.39	3.0	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.034	0.040	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.45	1.0	-	-	-
Butylbenzyl Phthalate	ND	0.097	0.20	-	-	-
4-Chloroaniline	ND	0.0051	0.020	-	-	-
4-Chloro-3-methylphenol	ND	0.55	1.0	-	-	-
2-Chloronaphthalene	ND	0.57	1.0	-	-	-
2-Chlorophenol	ND	0.0086	0.020	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.48	1.0	-	-	-
Chrysene	ND	0.0093	0.010	-	-	-
Dibenzo (a,h) anthracene	ND	0.0094	0.010	-	-	-
Dibenzofuran	ND	0.37	1.0	-	-	-
Di-n-butyl Phthalate	ND	0.0068	0.020	-	-	-
1,2-Dichlorobenzene	ND	1.1	2.0	-	-	-
1,3-Dichlorobenzene	ND	1.2	2.0	-	-	-
1,4-Dichlorobenzene	ND	1.0	2.0	-	-	-
3,3-Dichlorobenzidine	ND	0.0081	0.020	-	-	-
2,4-Dichlorophenol	ND	0.0061	0.010	-	-	-
Diethyl Phthalate	ND	0.015	0.020	-	-	-
2,4-Dimethylphenol	ND	0.81	1.0	-	-	-
Dimethyl Phthalate	ND	0.011	0.020	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
4,6-Dinitro-2-methylphenol	ND	1.8	5.0	-	-	-
2,4-Dinitrophenol	ND	0.15	0.50	-	-	-
2,4-Dinitrotoluene	ND	0.0066	0.025	-	-	-
2,6-Dinitrotoluene	ND	0.0053	0.010	-	-	-
Di-n-octyl Phthalate	ND	0.020	0.12	-	-	-
1,2-Diphenylhydrazine	ND	0.40	1.0	-	-	-
Fluoranthene	ND	0.0068	0.010	-	-	-
Fluorene	ND	0.0064	0.010	-	-	-
Hexachlorobenzene	ND	0.0043	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0035	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.48	5.0	-	-	-
Hexachloroethane	ND	0.0068	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0065	0.020	-	-	-
Isophorone	ND	0.66	1.0	-	-	-
2-Methylnaphthalene	ND	0.0053	0.010	-	-	-
2-Methylphenol (o-Cresol)	ND	0.53	1.0	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.41	1.0	-	-	-
Naphthalene	ND	0.0048	0.010	-	-	-
2-Nitroaniline	ND	1.8	5.0	-	-	-
3-Nitroaniline	ND	3.1	5.0	-	-	-
4-Nitroaniline	ND	2.7	5.0	-	-	-
Nitrobenzene	ND	0.95	1.0	-	-	-
2-Nitrophenol	ND	2.4	5.0	-	-	-
4-Nitrophenol	ND	1.1	5.0	-	-	-
N-Nitrosodiphenylamine	ND	0.41	1.0	-	-	-
N-Nitrosodi-n-propylamine	ND	0.65	1.0	-	-	-
Pentachlorophenol	ND	0.055	0.25	-	-	-
Phenanthrene	ND	0.0055	0.020	-	-	-
Phenol	0.020	0.0088	0.020	-	-	-
Pyrene	ND	0.0057	0.020	-	-	-
Pyridine	ND	0.49	1.0	-	-	-
1,2,4-Trichlorobenzene	ND	0.089	1.0	-	-	-
2,4,5-Trichlorophenol	ND	0.0061	0.050	-	-	-
2,4,6-Trichlorophenol	ND	0.0049	0.050	-	-	-
1-Methylnaphthalene	ND	0.0052	0.010	-	-	-
N-Nitrosodimethylamine	ND	2.8	5.0	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	4.7			5	95	36-131
Phenol-d5	5.2			5	105	43-149
Nitrobenzene-d5	4.6			5	91	39-150
2-Fluorobiphenyl	4.3			5	85	43-133
2,4,6-Tribromophenol	6.1			5	123	42-147
4-Terphenyl-d14	3.6			5	72	44-124

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,6-Dichlorophenol	9.6	9.3	10	96	93	57-117	2.88	25
Acenaphthene	0.48	0.49	0.50	96	97	55-112	1.54	25
Acenaphthylene	0.51	0.51	0.50	101	102	53-109	0.969	25
Acetochlor	8.9	8.6	10	89	86	52-119	2.65	25
Anthracene	0.54	0.54	0.50	107	109	57-112	1.38	25
Benzidine	38	38	50	75	76	33-87	1.33	25
Benzo (a) anthracene	0.48	0.48	0.50	95	96	54-103	0.975	25
Benzo (a) pyrene	0.56	0.56	0.50	113	113	50-116	0	25
Benzo (b) fluoranthene	0.54	0.54	0.50	108	108	49-111	0	25
Benzo (g,h,i) perylene	0.46	0.46	0.50	92	92	48-106	0	25
Benzo (k) fluoranthene	0.49	0.49	0.50	98	97	52-111	1.24	25
Benzyl Alcohol	46	43	50	91	86	38-130	5.98	25
1,1-Biphenyl	0.44	0.45	0.50	89	89	54-111	0	25
Bis (2-chloroethoxy) Methane	9.5	9.3	10	95	93	52-120	1.98	25
Bis (2-chloroethyl) Ether	0.43	0.42	0.50	86	84	37-142	2.49	25
Bis (2-chloroisopropyl) Ether	0.42	0.41	0.50	84	81	40-140	2.94	25
Bis (2-ethylhexyl) Adipate	9.6	9.9	10	96	99	49-109	2.70	25
Bis (2-ethylhexyl) Phthalate	0.52	0.53	0.50	104	106	39-136	1.05	25
4-Bromophenyl Phenyl Ether	9.5	9.3	10	95	93	53-108	2.14	25
Butylbenzyl Phthalate	0.53	0.54	0.50	106	107	48-124	1.67	25
4-Chloroaniline	0.54	0.53	0.50	107	107	57-121	0	25
4-Chloro-3-methylphenol	11	11	10	114	115	60-126	0.730	25
2-Chloronaphthalene	9.2	9.5	10	92	95	54-109	2.92	25
2-Chlorophenol	0.44	0.43	0.50	89	86	51-117	3.62	25
4-Chlorophenyl Phenyl Ether	8.7	9.0	10	87	90	59-108	3.34	25
Chrysene	0.48	0.48	0.50	96	96	53-104	0	25
Dibenzo (a,h) anthracene	0.52	0.52	0.50	104	104	51-112	0	25
Dibenzofuran	9.7	9.7	10	97	97	57-108	0	25
Di-n-butyl Phthalate	0.54	0.53	0.50	108	106	52-121	1.41	25
1,2-Dichlorobenzene	7.6	7.3	10	76	73	43-125	4.54	25
1,3-Dichlorobenzene	8.0	7.8	10	80	78	55-108	2.72	25
1,4-Dichlorobenzene	7.2	7.0	10	72	70	52-108	3.82	25
3,3-Dichlorobenzidine	0.64	0.65	0.50	128, F2	130, F2	52-118	1.56	25
2,4-Dichlorophenol	9.9	9.9	10	99	99	56-121	0	25
Diethyl Phthalate	0.52	0.52	0.50	104	104	56-122	0	25
2,4-Dimethylphenol	10	10	10	102	102	47-112	0	25
Dimethyl Phthalate	0.47	0.47	0.50	93	94	49-121	0.828	25
4,6-Dinitro-2-methylphenol	49	49	50	97	97	33-117	0	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrophenol	2.2	2.2	2.5	87	86	29-114	0.157	25
2,4-Dinitrotoluene	0.56	0.56	0.50	111	113	59-128	1.62	25
2,6-Dinitrotoluene	0.55	0.56	0.50	110	111	56-118	1.15	25
Di-n-octyl Phthalate	0.63	0.64	0.50	127	129	36-152	1.67	25
1,2-Diphenylhydrazine	9.6	9.5	10	96	95	53-110	0.631	25
Fluoranthene	0.56	0.56	0.50	112	112	56-117	0	25
Fluorene	0.48	0.48	0.50	97	97	58-119	0	25
Hexachlorobenzene	0.45	0.45	0.50	90	90	51-107	0	25
Hexachlorobutadiene	0.43	0.43	0.50	86	85	54-109	0.643	25
Hexachlorocyclopentadiene	29	30	50	59	59	26-107	0	25
Hexachloroethane	0.35	0.34	0.50	71	67	52-109	4.76	25
Indeno (1,2,3-cd) pyrene	0.49	0.49	0.50	99	99	50-107	0	25
Isophorone	9.9	10	10	99	101	58-120	1.19	25
2-Methylnaphthalene	0.51	0.50	0.50	101	101	51-132	0	25
2-Methylphenol (o-Cresol)	9.7	8.4	10	97	84	47-127	14.4	25
3 & 4-Methylphenol (m,p-Cresol)	8.6	8.2	10	86	82	51-126	4.41	25
Naphthalene	0.43	0.43	0.50	86	86	49-116	0	25
2-Nitroaniline	53	53	50	106	107	56-126	0.559	25
3-Nitroaniline	51	52	50	103	105	57-124	1.87	25
4-Nitroaniline	53	55	50	107	109	58-130	2.42	25
Nitrobenzene	9.3	9.3	10	93	93	52-119	0	25
2-Nitrophenol	49	49	50	98	97	60-119	0.757	25
4-Nitrophenol	58	59	50	117	118	34-143	0.614	25
N-Nitrosodiphenylamine	9.3	9.3	10	93	93	56-106	0	25
N-Nitrosodi-n-propylamine	9.5	9.0	10	95	90	55-122	5.11	25
Pentachlorophenol	2.2	2.2	2.5	87	89	45-119	1.99	25
Phenanthrene	0.47	0.47	0.50	93	94	56-108	0.345	25
Phenol	1.8	1.8	2	91	89	50-118	2.09	25
Pyrene	0.45	0.45	0.50	89	90	49-104	1.28	25
Pyridine	7.0	7.0	10	70	70	36-96	0	25
1,2,4-Trichlorobenzene	8.2	8.3	10	82	83	54-112	1.85	25
2,4,5-Trichlorophenol	0.58	0.57	0.50	116	115	52-119	0.733	25
2,4,6-Trichlorophenol	0.49	0.49	0.50	98	98	53-115	0	25
1-Methylnaphthalene	0.43	0.43	0.50	87	86	55-123	0.306	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173375
Date Analyzed:	2/21/19 - 2/22/19	**Extraction Method:**	E625
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173375

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	4.0	3.9	5	81	77	36-131	4.21	25
Phenol-d5	4.7	4.6	5	94	92	43-149	1.71	25
Nitrobenzene-d5	5.0	4.9	5	100	97	39-150	2.53	25
2-Fluorobiphenyl	4.7	4.6	5	94	92	43-133	2.14	25
2,4,6-Tribromophenol	5.7	5.5	5	113	109	42-147	3.25	25
4-Terphenyl-d14	3.1	3.2	5	62	63	44-124	2.14	25

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173367
Date Analyzed:	2/22/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173367

QC Summary Report for Dissolved Metals

Analyte	MB Result	MDL	RL			
Antimony	ND	0.060	0.50	-	-	-
Arsenic	ND	0.19	0.50	-	-	-
Barium	ND	1.0	5.0	-	-	-
Beryllium	ND	0.050	0.50	-	-	-
Cadmium	ND	0.040	0.25	-	-	-
Chromium	ND	0.14	0.50	-	-	-
Cobalt	ND	0.050	0.50	-	-	-
Copper	ND	0.10	0.50	-	-	-
Lead	ND	0.080	0.50	-	-	-
Mercury	0.015,J	0.010	0.050	-	-	-
Molybdenum	ND	0.26	0.50	-	-	-
Nickel	ND	0.18	0.50	-	-	-
Selenium	ND	0.15	0.50	-	-	-
Silver	ND	0.025	0.19	-	-	-
Thallium	ND	0.026	0.50	-	-	-
Vanadium	ND	0.060	0.50	-	-	-
Zinc	ND	5.0	15	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173367
Date Analyzed:	2/22/19	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173367

QC Summary Report for Dissolved Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	48	49	50	97	98	85-115	0.906	20
Arsenic	48	48	50	97	97	85-115	0	20
Barium	490	490	500	98	99	85-115	0.894	20
Beryllium	47	48	50	94	96	85-115	1.66	20
Cadmium	47	47	50	95	93	85-115	1.15	20
Chromium	48	48	50	97	96	85-115	0.830	20
Cobalt	50	51	50	100	101	85-115	1.23	20
Copper	47	47	50	94	93	85-115	0.917	20
Lead	47	48	50	94	95	85-115	1.10	20
Mercury	1.2	1.3	1.25	99	101	85-115	2.01	20
Molybdenum	48	48	50	96	96	85-115	0	20
Nickel	48	47	50	96	94	85-115	1.53	20
Selenium	48	49	50	97	98	85-115	0.823	20
Silver	45	45	50	89	91	85-115	1.29	20
Thallium	46	46	50	92	92	85-115	0	20
Vanadium	49	48	50	97	96	85-115	1.24	20
Zinc	480	470	500	96	95	85-115	1.05	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/22/19	**BatchID:**	173456
Date Analyzed:	2/22/19	**Extraction Method:**	Kelada-01
Instrument:	WC_SKALAR	**Analytical Method:**	Kelada-01
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173456 1902A74-001EMS/MSD

QC Summary Report for Kelada-01

Analyte	MB Result	MDL	RL			
Total Cyanide	ND	0.84	1.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Cyanide	39	37	40	98	93	90-110	5.13	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Total Cyanide	5	45	45	40	ND	112	113	80-120	1.09	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173426
Date Analyzed:	2/21/19	**Extraction Method:**	SW1010
Instrument:	WetChem	**Analytical Method:**	SW1010
Matrix:	Water	**Unit:**	°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-173426

QC Summary Report for Flash Point

Analyte	CCV Result	CCV Limits
Flash Point	98	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/22/19	**BatchID:**	173470
Date Analyzed:	2/22/19	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173470

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	23	50	-	-	-
MTBE	ND	0.36	5.0	-	-	-
Benzene	ND	0.070	0.50	-	-	-
Toluene	ND	0.14	0.50	-	-	-
Ethylbenzene	ND	0.070	0.50	-	-	-
m,p-Xylene	ND	0.10	1.0	-	-	-
o-Xylene	ND	0.040	0.50	-	-	-
Xylenes	ND	N/A	0.50	-	-	-
Surrogate Recovery						
aaa-TFT	8.8			10	88	74-117

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	62	59	60	104	98	78-116	5.04	20
MTBE	8.7	9.7	10	87	97	72-122	10.3	20
Benzene	9.6	9.7	10	96	97	81-123	0.541	20
Toluene	10	10	10	102	103	83-129	1.09	20
Ethylbenzene	10	10	10	104	105	88-126	1.04	20
m,p-Xylene	21	21	20	105	106	80-120	0.646	20
o-Xylene	10	10	10	102	102	80-120	0	20
Xylenes	31	31	30	104	104	87-131	0	20
Surrogate Recovery								
aaa-TFT	8.8	9.1	10	88	91	74-117	3.59	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/22/19	**BatchID:**	173468
Date Analyzed:	2/22/19	**Extraction Method:**	E420.4
Instrument:	WC_SKALAR	**Analytical Method:**	E420.4
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173468 1902A74-001DMS/MSD

QC Summary Report for E420.4

Analyte	MB Result	MDL	RL			
Phenolics	ND	2.0	2.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Phenolics	42	44	40	104	110	80-120	5.39	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Phenolics	1	46	47	40	2.8	108	111	70-130	2.24	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/22/19	**BatchID:**	173437
Date Analyzed:	2/22/19	**Extraction Method:**	SM2510B
Instrument:	WetChem	**Analytical Method:**	SM2510Bm-1997
Matrix:	Water	**Unit:**	g/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-173437

QC Summary Report for SM2510B (Salinity)

Analyte	CCV Result	CCV Limits
Salinity	101	90-110

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173430
Date Analyzed:	2/21/19	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	731685405; 1548 Maple Street	**Sample ID:**	CCV-173430

QC Summary Report for Specific Conductivity

Analyte	CCV Result	CCV Limits
Specific Conductivity	100	90-110

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Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/21/19	**BatchID:**	173378
Date Analyzed:	2/22/19	**Extraction Method:**	SW3510C
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB/LCS/LCSD-173378

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	45	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	150	250	-	-	-
Surrogate Recovery						
C9	580			625	92	68-127

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1200	1300	1000	124	128	86-142	2.79	30
Surrogate Recovery								
C9	570	580	625	91	92	68-127	1.76	30

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Langan	**WorkOrder:**	1902A74
Date Prepared:	2/22/19	**BatchID:**	173473
Date Analyzed:	2/22/19	**Extraction Method:**	SM2540 D-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 D-1997
Matrix:	Water	**Unit:**	mg/L
Project:	731685405; 1548 Maple Street	**Sample ID:**	MB-173473

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL			
Total Suspended Solids	ND	1.00	1.00	-	-	-

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902A74 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 2 days;
Date Received: **02/21/2019**
Date Logged: **02/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1902A74-001	Area A-D Water	Water	2/21/2019 09:50	☐	K	G	F	H	C	E	I	J	D	H	A	B

Test Legend:

1	8082_PCB_W	2	8260B_W	3	8270_SCSM_W	4	CAM17MS_DISS
5	CAM17MS_TTLC_W	6	CN_W	7	FLASH_W	8	G-MBTEX_W
9	PHENOLICS_W	10	PRDISSOLVED	11	SALINITY_W	12	SC_W

Project Manager: Angela Rydelius **Prepared by: Agustina Venegas**

The following SampID: 001J contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1902A74 **ClientCode: TWRF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Dustyne Sutherland
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
(415) 955-5200 FAX: (415) 955-9041

Email: dsutherland@langan.com
cc/3rd Party: gstafford@langan.com;
PO:
Project: 731685405; 1548 Maple Street

Bill to:
Accounts Payable
Langan
555 Montgomery St., Suite 1300
San Francisco, CA 94111
Langan_InvoiceCapture@concursolutio

Requested TAT: 2 days;

Date Received: **02/21/2019**
Date Logged: **02/21/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					13	14	15	16	17	18	19	20	21	22	23	24
1902A74-001	Area A-D Water	Water	2/21/2019 09:50	☐	J	H										

Test Legend:

13	TPH(DMO)_W	14	TSS_W	15		16	
17		18		19		20	
21		22		23		24	

Project Manager: Angela Rydelius **Prepared by: Agustina Venegas**

The following SampID: 001J contains testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Dustyne Sutherland
Contact's Email: dsutherland@langan.com

Project: 731685405; 1548 Maple Street
Comments:

Work Order: 1902A74
QC Level: LEVEL 2
Date Logged: 2/21/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1902A74-001A	Area A-D Water	Water	SM2510B (Salinity)	1	125mL HDPE, unprsv.	☐	2/21/2019 9:50	2 days	Trace	☐	
				1	1LA, Unpres	☐			Trace	☐	
1902A74-001B	Area A-D Water	Water	SM2510B (Specific Conductivity)	1	250mL HDPE, unprsv.	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001C	Area A-D Water	Water	E200.8 (CAM 17)	1	250mL HDPE w/ HNO3	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001D	Area A-D Water	Water	E420.4 (Phenolics)	1	250mL aG w/ H2SO4	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001E	Area A-D Water	Water	Kelada-01 (Cyanide, Total)	1	250mL aHDPE w/ NaOH	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001F	Area A-D Water	Water	SW8270C (SVOCs)	1	1LA Narrow Mouth, Unpres	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001G	Area A-D Water	Water	SW8260B (VOCs)	1	VOA w/ HCl	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001H	Area A-D Water	Water	SM2540D (TSS)	1	1L HDPE, unprsv.	☐	2/21/2019 9:50	2 days	Trace	☐	
			E200.8 (CAM 17) (Dissolved-Lab Filtered)			☐		2 days	Trace	☐	
1902A74-001I	Area A-D Water	Water	SW1010 (Flash Point)	1	125mL HDPE, unprsv.	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001J	Area A-D Water	Water	Multi-Range TPH(g,d,mo)	3	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	2/21/2019 9:50	2 days	Trace	☐	
1902A74-001K	Area A-D Water	Water	SW8082 (PCBs Only)	1	1LA Narrow Mouth, Unpres	☐	2/21/2019 9:50	2 days	Trace	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

P12 cc gstafford@langan.com

RUSH

1902A74

13304

LANGAN

CHAIN OF CUSTODY RECORD

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

Site Name: 1545 Maple Street

Job Number: 731655405

Project Manager\Contact: Dustyne Sutherland

Samplers: Grace Stafford

Recorder (Signature Required):

Turnaround Time: 48 HR

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: Salinity	Conductivity	CAM 17 metals	Phenol & Cyanide	SVOCs	VOCs	TSS	Flash Point	TPH g/d/mo	PCBs 8082		Silica gel clean-up	Hold	Remarks
(1) Area A-D Water	2/21/19	0950			X						X		X	X	X	X	X	X	X	X	X	X				0.45 filter metals

Relinquished by: (Signature)	Date: 2/21/19	Time 1151	Received by: (Signature)
Relinquished by: (Signature)	Date: 2/21/19	Time 1415	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

Date 2/21/19 Time 1151

Date 2/21/19 Time 1415

Date Time

Sent to Laboratory (Name): McCampbell Analytical

Laboratory Comments/Notes:

Method of Shipment: [X] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number:

2.0 WET

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Sample Receipt Checklist

Client Name:	**Langan**	Date and Time Received	**2/21/2019 14:15**
Project:	**731685405; 1548 Maple Street**	Date Logged:	**2/21/2019**
		Received by:	Agustina Venegas
WorkOrder №:	**1902A74** Matrix: Water	Logged by:	Agustina Venegas
Carrier:	Benjamin Yslas (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 2°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☑	No	☐	NA	☐
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 08/26/2020

TO: MS. KYLIE CUSH
MS. GRACE STAFFORD
MS. DUSTYNE SUTHERLAND
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, INC.
135 MAIN STREET, SUITE 1500
SAN FRANCISCO, CA 94105

Phone: 415-955-5200
Email: kcush@langan.com
gstafford@langan.com
dsutherland@langan.com

ACCT: 4841
PROJ: 731685403

FROM: Richard A. Kagel, Ph.D. RAK
Laboratory Director by AB 8/26/20

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT 731685403

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
B-3	AIR	08/12/2020	12:24	200257
B-19	AIR	08/12/2020	13:15	200258
B-20	AIR	08/12/2020	13:50	200259
B-41	AIR	08/12/2020	11:34	200260
B-60	AIR	08/12/2020	16:03	200261
B-61	AIR	08/12/2020	15:03	200262
AA-081220	AIR	08/12/2020	15:00	200263

The above listed sample group was received on 08/13/2020 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-3
LAB NO:	200257
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	12:24
BATCH ID:	081720A1
DATE ANALYZED:	08/21/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.100	0.663	0.495	3.28
CHLOROMETHANE	74-87-3	0.100	2.07	0.207	4.28
DICHLOROTETRAFLUOROETHANE	76-14-2	0.100	ND	0.699	ND
VINYL CHLORIDE	75-01-4	0.0350	0.777	0.0895	1.99
BROMOMETHANE	74-83-9	0.100	ND	0.388	ND
CHLOROETHANE	75-00-3	0.100	0.529	0.264	1.40
TRICHLOROFLUOROMETHANE	75-69-4	0.200	0.988	1.12	5.55
1,1-DICHLOROETHENE	75-35-4	0.100	ND	0.397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND	3.83	ND
METHYLENE CHLORIDE	75-09-2	3.00	ND	10.4	ND
T-1,2-DICHLOROETHENE	156-60-5	0.100	ND	0.396	ND
1,1-DICHLOROETHANE	75-34-3	0.100	ND	0.405	ND
C-1,2-DICHLOROETHENE	156-59-2	0.100	ND	0.397	ND
CHLOROFORM	67-66-3	0.100	3.55	0.488	17.3
1,1,1-TRICHLOROETHANE	71-55-6	0.100	ND	0.546	ND
1,2-DICHLOROETHANE	107-06-2	0.100	ND	0.405	ND
BENZENE	71-43-2	0.500	4.20	1.60	13.4
CARBON TETRACHLORIDE	56-23-5	0.100	0.180	0.629	1.13
1,2-DICHLOROPROPANE	78-87-5	0.100	ND	0.462	ND
TRICHLOROETHENE	79-01-6	0.100	1.36	0.537	7.33
C-1,3-DICHLOROPROPENE	10061-01-5	0.100	ND	0.454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.100	ND	0.454	ND
TOLUENE	108-88-3	0.500	41.3	1.88	156
1,1,2-TRICHLOROETHANE	79-00-5	0.100	ND	0.546	ND
1,2-DIBROMOETHANE	106-93-4	0.100	ND	0.768	ND
TETRACHLOROETHENE	127-18-4	0.100	0.391	0.678	2.65
CHLOROBENZENE	108-90-7	0.100	ND	0.460	ND
ETHYLBENZENE	100-41-4	0.100	4.25	0.434	18.4
XYLENE (M+P)	179601-23-1	0.200	14.6	0.868	63.6
STYRENE	100-42-5	0.100	0.356	0.426	1.52
XYLENE (O)	95-47-6	0.100	6.20	0.434	26.9
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.100	ND	0.687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.100	2.54	0.492	12.5
1,2,4-TRIMETHYLBENZENE	95-63-6	0.100	4.83	0.492	23.7
1,3-DICHLOROBENZENE	541-73-1	0.100	ND	0.601	ND
1,4-DICHLOROBENZENE	106-46-7	0.100	ND	0.601	ND
1,2-DICHLOROBENZENE	95-50-1	0.100	ND	0.601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.100	ND	0.742	ND
HEXACHLOROBUTADIENE	87-68-3	0.100	ND	1.07	ND
NAPHTHALENE	91-20-3	0.150	6.43	0.786	33.7
XYLENE (M+P+O)	1330-20-7	0.200	20.8	0.868	90.5

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-19
LAB NO:	200258
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	13:15
BATCH ID:	081720A1
DATE ANALYZED:	08/24/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.100	0.371	0.495	1.84
CHLOROMETHANE	74-87-3	0.100	1.88	0.207	3.89
DICHLOROTETRAFLUOROETHANE	76-14-2	0.100	ND	0.699	ND
VINYL CHLORIDE	75-01-4	0.0350	0.509	0.0895	1.30
BROMOMETHANE	74-83-9	0.100	ND	0.388	ND
CHLOROETHANE	75-00-3	0.100	0.353	0.264	0.930
TRICHLOROFLUOROMETHANE	75-69-4	0.200	1.24	1.12	6.98
1,1-DICHLOROETHENE	75-35-4	0.100	ND	0.397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND	3.83	ND
METHYLENE CHLORIDE	75-09-2	3.00	ND	10.4	ND
T-1,2-DICHLOROETHENE	156-60-5	0.100	ND	0.396	ND
1,1-DICHLOROETHANE	75-34-3	0.100	0.159	0.405	0.645
C-1,2-DICHLOROETHENE	156-59-2	0.100	0.287	0.397	1.14
CHLOROFORM	67-66-3	0.100	0.125	0.488	0.612
1,1,1-TRICHLOROETHANE	71-55-6	0.100	ND	0.546	ND
1,2-DICHLOROETHANE	107-06-2	0.100	ND	0.405	ND
BENZENE	71-43-2	0.500	10.2	1.60	32.7
CARBON TETRACHLORIDE	56-23-5	0.100	ND	0.629	ND
1,2-DICHLOROPROPANE	78-87-5	0.100	ND	0.462	ND
TRICHLOROETHENE	79-01-6	0.100	7.67	0.537	41.2
C-1,3-DICHLOROPROPENE	10061-01-5	0.100	ND	0.454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.100	ND	0.454	ND
TOLUENE	108-88-3	0.500	7.03	1.88	26.5
1,1,2-TRICHLOROETHANE	79-00-5	0.100	ND	0.546	ND
1,2-DIBROMOETHANE	106-93-4	0.100	ND	0.768	ND
TETRACHLOROETHENE	127-18-4	0.100	0.599	0.678	4.06
CHLOROBENZENE	108-90-7	0.100	31.1	0.460	143
ETHYLBENZENE	100-41-4	0.100	12.2	0.434	53.1
XYLENE (M+P)	179601-23-1	0.200	6.24	0.868	27.1
STYRENE	100-42-5	0.100	1.50	0.426	6.39
XYLENE (O)	95-47-6	0.100	1.72	0.434	7.49
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.100	ND	0.687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.100	5.02	0.492	24.7
1,2,4-TRIMETHYLBENZENE	95-63-6	0.100	5.57	0.492	27.4
1,3-DICHLOROBENZENE	541-73-1	0.100	1.12	0.601	6.74
1,4-DICHLOROBENZENE	106-46-7	0.100	8.08	0.601	48.6
1,2-DICHLOROBENZENE	95-50-1	0.100	1.59	0.601	9.59
1,2,4-TRICHLOROBENZENE	120-82-1	0.100	0.222	0.742	1.65
HEXACHLOROBUTADIENE	87-68-3	0.100	ND	1.07	ND
NAPHTHALENE	91-20-3	0.150	10.8	0.786	56.5
XYLENE (M+P+O)	1330-20-7	0.200	7.96	0.868	34.6

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-20
LAB NO:	200259
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	13:50
BATCH ID:	081720A1
DATE ANALYZED:	08/24/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.100	0.466	0.495	2.30
CHLOROMETHANE	74-87-3	0.100	2.93	0.207	6.04
DICHLOROTETRAFLUOROETHANE	76-14-2	0.100	ND	0.699	ND
VINYL CHLORIDE	75-01-4	0.0350	1.03	0.0895	2.64
BROMOMETHANE	74-83-9	0.100	0.618	0.388	2.40
CHLOROETHANE	75-00-3	0.100	1.02	0.264	2.68
TRICHLOROFLUOROMETHANE	75-69-4	0.200	0.838	1.12	4.71
1,1-DICHLOROETHENE	75-35-4	0.100	0.152	0.397	0.604
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND	3.83	ND
METHYLENE CHLORIDE	75-09-2	3.00	ND	10.4	ND
T-1,2-DICHLOROETHENE	156-60-5	0.100	0.176	0.396	0.699
1,1-DICHLOROETHANE	75-34-3	0.100	0.199	0.405	0.807
C-1,2-DICHLOROETHENE	156-59-2	0.100	1.39	0.397	5.53
CHLOROFORM	67-66-3	0.100	0.254	0.488	1.24
1,1,1-TRICHLOROETHANE	71-55-6	0.100	ND	0.546	ND
1,2-DICHLOROETHANE	107-06-2	0.100	ND	0.405	ND
BENZENE	71-43-2	0.500	16.4	1.60	52.4
CARBON TETRACHLORIDE	56-23-5	0.100	ND	0.629	ND
1,2-DICHLOROPROPANE	78-87-5	0.100	ND	0.462	ND
TRICHLOROETHENE	79-01-6	0.100	9.62	0.537	51.7
C-1,3-DICHLOROPROPENE	10061-01-5	0.100	ND	0.454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.100	ND	0.454	ND
TOLUENE	108-88-3	0.500	6.70	1.88	25.3
1,1,2-TRICHLOROETHANE	79-00-5	0.100	ND	0.546	ND
1,2-DIBROMOETHANE	106-93-4	0.100	ND	0.768	ND
TETRACHLOROETHENE	127-18-4	0.100	6.28	0.678	42.6
CHLOROBENZENE	108-90-7	0.100	16.4	0.460	75.3
ETHYLBENZENE	100-41-4	0.100	3.99	0.434	17.3
XYLENE (M+P)	179601-23-1	0.200	2.68	0.868	11.6
STYRENE	100-42-5	0.100	0.720	0.426	3.07
XYLENE (O)	95-47-6	0.100	1.30	0.434	5.64
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.100	ND	0.687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.100	0.686	0.492	3.37
1,2,4-TRIMETHYLBENZENE	95-63-6	0.100	0.926	0.492	4.55
1,3-DICHLOROBENZENE	541-73-1	0.100	ND	0.601	ND
1,4-DICHLOROBENZENE	106-46-7	0.100	0.213	0.601	1.28
1,2-DICHLOROBENZENE	95-50-1	0.100	ND	0.601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.100	ND	0.742	ND
HEXACHLOROBUTADIENE	87-68-3	0.100	ND	1.07	ND
NAPHTHALENE	91-20-3	0.150	1.69	0.786	8.85
XYLENE (M+P+O)	1330-20-7	0.200	3.98	0.868	17.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-41
LAB NO:	200260
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	11:34
BATCH ID:	081720A1
DATE ANALYZED:	08/24/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.100	0.498	0.495	2.46
CHLOROMETHANE	74-87-3	0.100	0.492	0.207	1.02
DICHLOROTETRAFLUOROETHANE	76-14-2	0.100	ND	0.699	ND
VINYL CHLORIDE	75-01-4	0.0350	ND	0.0895	ND
BROMOMETHANE	74-83-9	0.100	ND	0.388	ND
CHLOROETHANE	75-00-3	0.100	ND	0.264	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.200	0.286	1.12	1.61
1,1-DICHLOROETHENE	75-35-4	0.100	ND	0.397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND	3.83	ND
METHYLENE CHLORIDE	75-09-2	3.00	ND	10.4	ND
T-1,2-DICHLOROETHENE	156-60-5	0.100	ND	0.396	ND
1,1-DICHLOROETHANE	75-34-3	0.100	ND	0.405	ND
C-1,2-DICHLOROETHENE	156-59-2	0.100	ND	0.397	ND
CHLOROFORM	67-66-3	0.100	ND	0.488	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.100	ND	0.546	ND
1,2-DICHLOROETHANE	107-06-2	0.100	ND	0.405	ND
BENZENE	71-43-2	0.500	0.595	1.60	1.90
CARBON TETRACHLORIDE	56-23-5	0.100	ND	0.629	ND
1,2-DICHLOROPROPANE	78-87-5	0.100	ND	0.462	ND
TRICHLOROETHENE	79-01-6	0.100	0.166	0.537	0.894
C-1,3-DICHLOROPROPENE	10061-01-5	0.100	ND	0.454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.100	ND	0.454	ND
TOLUENE	108-88-3	0.500	0.857	1.88	3.23
1,1,2-TRICHLOROETHANE	79-00-5	0.100	ND	0.546	ND
1,2-DIBROMOETHANE	106-93-4	0.100	ND	0.768	ND
TETRACHLOROETHENE	127-18-4	0.100	0.210	0.678	1.43
CHLOROBENZENE	108-90-7	0.100	ND	0.460	ND
ETHYLBENZENE	100-41-4	0.100	0.292	0.434	1.27
XYLENE (M+P)	179601-23-1	0.200	1.71	0.868	7.43
STYRENE	100-42-5	0.100	0.145	0.426	0.615
XYLENE (O)	95-47-6	0.100	0.348	0.434	1.51
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.100	ND	0.687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.100	ND	0.492	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.100	0.112	0.492	0.550
1,3-DICHLOROBENZENE	541-73-1	0.100	ND	0.601	ND
1,4-DICHLOROBENZENE	106-46-7	0.100	ND	0.601	ND
1,2-DICHLOROBENZENE	95-50-1	0.100	ND	0.601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.100	ND	0.742	ND
HEXACHLOROBUTADIENE	87-68-3	0.100	ND	1.07	ND
NAPHTHALENE	91-20-3	0.150	2.13	0.786	11.2
XYLENE (M+P+O)	1330-20-7	0.200	2.06	0.868	8.94

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-60
LAB NO:	200261
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	16:03
BATCH ID:	081720A1
DATE ANALYZED:	08/24/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.200	0.489	0.989	2.42
CHLOROMETHANE	74-87-3	0.200	1.34	0.413	2.77
DICHLOROTETRAFLUOROETHANE	76-14-2	0.200	ND	1.40	ND
VINYL CHLORIDE	75-01-4	0.0700	0.249	0.179	0.637
BROMOMETHANE	74-83-9	0.200	ND	0.777	ND
CHLOROETHANE	75-00-3	0.200	0.376	0.528	0.992
TRICHLOROFLUOROMETHANE	75-69-4	0.400	0.417	2.25	2.34
1,1-DICHLOROETHENE	75-35-4	0.200	ND	0.793	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	1.00	ND	7.66	ND
METHYLENE CHLORIDE	75-09-2	6.00	ND	20.8	ND
T-1,2-DICHLOROETHENE	156-60-5	0.200	ND	0.793	ND
1,1-DICHLOROETHANE	75-34-3	0.200	ND	0.810	ND
C-1,2-DICHLOROETHENE	156-59-2	0.200	0.571	0.793	2.26
CHLOROFORM	67-66-3	0.200	ND	0.977	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.200	ND	1.09	ND
1,2-DICHLOROETHANE	107-06-2	0.200	ND	0.809	ND
BENZENE	71-43-2	1.00	6.49	3.19	20.7
CARBON TETRACHLORIDE	56-23-5	0.200	ND	1.26	ND
1,2-DICHLOROPROPANE	78-87-5	0.200	ND	0.924	ND
TRICHLOROETHENE	79-01-6	0.200	1.77	1.07	9.49
C-1,3-DICHLOROPROPENE	10061-01-5	0.200	ND	0.908	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.200	ND	0.908	ND
TOLUENE	108-88-3	1.00	4.74	3.77	17.9
1,1,2-TRICHLOROETHANE	79-00-5	0.200	ND	1.09	ND
1,2-DIBROMOETHANE	106-93-4	0.200	ND	1.54	ND
TETRACHLOROETHENE	127-18-4	0.200	0.294	1.36	1.99
CHLOROBENZENE	108-90-7	0.200	113	0.921	522
ETHYLBENZENE	100-41-4	0.200	4.20	0.868	18.3
XYLENE (M+P)	179601-23-1	0.400	2.97	1.74	12.9
STYRENE	100-42-5	0.200	1.35	0.852	5.75
XYLENE (O)	95-47-6	0.200	1.64	0.868	7.12
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.200	ND	1.37	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.200	2.82	0.983	13.9
1,2,4-TRIMETHYLBENZENE	95-63-6	0.200	8.12	0.983	39.9
1,3-DICHLOROBENZENE	541-73-1	0.200	1.89	1.20	11.4
1,4-DICHLOROBENZENE	106-46-7	0.200	13.1	1.20	79.0
1,2-DICHLOROBENZENE	95-50-1	0.200	4.89	1.20	29.4
1,2,4-TRICHLOROBENZENE	120-82-1	0.200	ND	1.48	ND
HEXACHLOROBUTADIENE	87-68-3	0.200	ND	2.13	ND
NAPHTHALENE	91-20-3	0.300	1.82	1.57	9.55
XYLENE (M+P+O)	1330-20-7	0.400	4.61	1.74	20.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	B-61
LAB NO:	200262
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	15:03
BATCH ID:	081720A1
DATE ANALYZED:	08/24/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.100	0.522	0.495	2.58
CHLOROMETHANE	74-87-3	0.100	0.991	0.207	2.05
DICHLOROTETRAFLUOROETHANE	76-14-2	0.100	ND	0.699	ND
VINYL CHLORIDE	75-01-4	0.0350	7.57	0.0895	19.3
BROMOMETHANE	74-83-9	0.100	ND	0.388	ND
CHLOROETHANE	75-00-3	0.100	0.966	0.264	2.55
TRICHLOROFLUOROMETHANE	75-69-4	0.200	0.696	1.12	3.91
1,1-DICHLOROETHENE	75-35-4	0.100	ND	0.397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.500	ND	3.83	ND
METHYLENE CHLORIDE	75-09-2	3.00	ND	10.4	ND
T-1,2-DICHLOROETHENE	156-60-5	0.100	5.45	0.396	21.6
1,1-DICHLOROETHANE	75-34-3	0.100	ND	0.405	ND
C-1,2-DICHLOROETHENE	156-59-2	0.100	47.3	0.397	187
CHLOROFORM	67-66-3	0.100	0.160	0.488	0.780
1,1,1-TRICHLOROETHANE	71-55-6	0.100	ND	0.546	ND
1,2-DICHLOROETHANE	107-06-2	0.100	ND	0.405	ND
BENZENE	71-43-2	0.500	8.00	1.60	25.6
CARBON TETRACHLORIDE	56-23-5	0.100	ND	0.629	ND
1,2-DICHLOROPROPANE	78-87-5	0.100	ND	0.462	ND
TRICHLOROETHENE	79-01-6	0.100	2.30	0.537	12.4
C-1,3-DICHLOROPROPENE	10061-01-5	0.100	ND	0.454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.100	ND	0.454	ND
TOLUENE	108-88-3	0.500	2.86	1.88	10.8
1,1,2-TRICHLOROETHANE	79-00-5	0.100	ND	0.546	ND
1,2-DIBROMOETHANE	106-93-4	0.100	ND	0.768	ND
TETRACHLOROETHENE	127-18-4	0.100	0.632	0.678	4.29
CHLOROBENZENE	108-90-7	0.100	2.40	0.460	11.0
ETHYLBENZENE	100-41-4	0.100	1.05	0.434	4.55
XYLENE (M+P)	179601-23-1	0.200	1.01	0.868	4.39
STYRENE	100-42-5	0.100	ND	0.426	ND
XYLENE (O)	95-47-6	0.100	0.286	0.434	1.24
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.100	ND	0.687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.100	ND	0.492	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.100	ND	0.492	ND
1,3-DICHLOROBENZENE	541-73-1	0.100	ND	0.601	ND
1,4-DICHLOROBENZENE	106-46-7	0.100	ND	0.601	ND
1,2-DICHLOROBENZENE	95-50-1	0.100	ND	0.601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.100	ND	0.742	ND
HEXACHLOROBUTADIENE	87-68-3	0.100	ND	1.07	ND
NAPHTHALENE	91-20-3	0.150	ND	0.786	ND
XYLENE (M+P+O)	1330-20-7	0.200	1.30	0.868	5.63

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

SAMPLE ID:	AA-081220
LAB NO:	200263
SAMPLE TYPE:	AIR
DATE SAMPLED:	08/12/2020
TIME SAMPLED:	15:00
BATCH ID:	081720A1
DATE ANALYZED:	08/21/2020

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.0100	0.269	0.0495	1.33
CHLOROMETHANE	74-87-3	0.0100	0.338	0.0207	0.699
DICHLOROTETRAFLUOROETHANE	76-14-2	0.0100	0.0172	0.0699	0.120
VINYL CHLORIDE	75-01-4	0.00350	ND	0.00895	ND
BROMOMETHANE	74-83-9	0.0100	ND	0.0388	ND
CHLOROETHANE	75-00-3	0.0100	ND	0.0264	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.0200	0.244	0.112	1.37
1,1-DICHLOROETHENE	75-35-4	0.0100	ND	0.0397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.0500	0.0678	0.383	0.520
METHYLENE CHLORIDE	75-09-2	0.300	ND	1.04	ND
T-1,2-DICHLOROETHENE	156-60-5	0.0100	ND	0.0396	ND
1,1-DICHLOROETHANE	75-34-3	0.0100	ND	0.0405	ND
C-1,2-DICHLOROETHENE	156-59-2	0.0100	ND	0.0397	ND
CHLOROFORM	67-66-3	0.0100	0.0190	0.0488	0.0928
1,1,1-TRICHLOROETHANE	71-55-6	0.0100	ND	0.0546	ND
1,2-DICHLOROETHANE	107-06-2	0.0100	ND	0.0405	ND
BENZENE	71-43-2	0.0500	ND	0.160	ND
CARBON TETRACHLORIDE	56-23-5	0.0100	0.0724	0.0629	0.456
1,2-DICHLOROPROPANE	78-87-5	0.0100	ND	0.0462	ND
TRICHLOROETHENE	79-01-6	0.0100	ND	0.0537	ND
C-1,3-DICHLOROPROPENE	10061-01-5	0.0100	ND	0.0454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.0100	ND	0.0454	ND
TOLUENE	108-88-3	0.0500	0.0804	0.188	0.303
1,1,2-TRICHLOROETHANE	79-00-5	0.0100	ND	0.0546	ND
1,2-DIBROMOETHANE	106-93-4	0.0100	ND	0.0768	ND
TETRACHLOROETHENE	127-18-4	0.0100	ND	0.0678	ND
CHLOROBENZENE	108-90-7	0.0100	ND	0.0460	ND
ETHYLBENZENE	100-41-4	0.0100	0.0163	0.0434	0.0706
XYLENE (M+P)	179601-23-1	0.0200	0.0447	0.0868	0.194
STYRENE	100-42-5	0.0100	ND	0.0426	ND
XYLENE (O)	95-47-6	0.0100	0.0204	0.0434	0.0885
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.0100	ND	0.0687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.0100	ND	0.0492	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.0100	0.0134	0.0492	0.0657
1,3-DICHLOROBENZENE	541-73-1	0.0100	ND	0.0601	ND
1,4-DICHLOROBENZENE	106-46-7	0.0100	ND	0.0601	ND
1,2-DICHLOROBENZENE	95-50-1	0.0100	ND	0.0601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.0100	0.0140	0.0742	0.104
HEXACHLOROBUTADIENE	87-68-3	0.0100	ND	0.107	ND
NAPHTHALENE	91-20-3	0.0150	0.0303	0.0786	0.159
XYLENE (M+P+O)	1330-20-7	0.0200	0.0650	0.0868	0.282

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
RL - REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

APPROVED BY: _____
DATE: 8/26/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-3
LAB NO: 200257
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 12:24
DATE ANALYZED: 08/20/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	0.164
OXYGEN	1.00	19.4
NITROGEN(BALANCE)	1.00	80.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-19
LAB NO: 200258
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 13:15
DATE ANALYZED: 08/20/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	0.168
OXYGEN	1.00	17.7
NITROGEN(BALANCE)	1.00	81.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-20
LAB NO: 200259
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 13:50
DATE ANALYZED: 08/20/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	0.408
OXYGEN	1.00	17.0
NITROGEN(BALANCE)	1.00	82.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-41
LAB NO: 200260
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 11:34
DATE ANALYZED: 08/20/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	19.7
NITROGEN(BALANCE)	1.00	80.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-60
LAB NO: 200261
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 16:03
DATE ANALYZED: 08/20/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.150	8.34
OXYGEN	1.50	17.0
NITROGEN(BALANCE)	1.50	74.1

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: 
DATE: 9/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

SAMPLE ID: B-61
LAB NO: 200262
BATCH NO: 081320A1
DATE SAMPLED: 08/12/2020
TIME SAMPLED: 15:03
DATE ANALYZED: 08/21/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.150	9.49
OXYGEN	1.50	15.7
NITROGEN(BALANCE)	1.50	74.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.

LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: CARBON DIOXIDE **SAMPLE TYPE:** AIR
REFERENCE: ASTM D 1946 **UNITS:** %-V

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH NO	DATE ANALYZED	MRL	SAMPLE CONC
B-3	200257	08/12/2020	12:24	081320A2	08/18/2020	0.100	0.236
B-19	200258	08/12/2020	13:15	081320A2	08/18/2020	0.100	1.06
B-20	200259	08/12/2020	13:50	081320A2	08/18/2020	0.100	0.208
B-41	200260	08/12/2020	11:34	081320A2	08/18/2020	0.100	0.169
B-60	200261	08/12/2020	16:03	081320A2	08/18/2020	0.150	0.556
B-61	200262	08/12/2020	15:03	081320A2	08/18/2020	0.150	0.463

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685403

METHOD: HELIUM
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

SAMPLE ID	LAB NO	BATCH NO	DATE SAMPLED	TIME SAMPLED	DATE ANALYZED	MRL	SAMPLE CONC
B-3	200257	081820A2	08/12/2020	12:24	08/19/2020	0.100	ND
B-19	200258	081820A2	08/12/2020	13:15	08/19/2020	0.100	ND
B-20	200259	081820A2	08/12/2020	13:50	08/19/2020	0.100	ND
B-41	200260	081820A2	08/12/2020	11:34	08/19/2020	0.100	1.17
B-60	200261	081820A2	08/12/2020	16:03	08/19/2020	0.150	ND
B-61	200262	081820A2	08/12/2020	15:03	08/19/2020	0.150	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT

APPROVED BY: _____
DATE: 8/24/20

K PRIME, INC.
LABORATORY METHOD BLANK REPORT

METHOD BLANK ID: B081720A1
SAMPLE TYPE: AIR

BATCH ID: 081720A1
DATE ANALYZED: 08/17/2020

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

		PPB (V/V)		µg/cu. m	
COMPOUND NAME	**CAS NO.**	**RL**	**SAMPLE CONC**	**RL**	**SAMPLE CONC**
DICHLORODIFLUOROMETHANE	75-71-8	0.0100	ND	0.0495	ND
CHLOROMETHANE	74-87-3	0.0100	ND	0.0207	ND
DICHLOROTETRAFLUOROETHANE	76-14-2	0.0100	ND	0.0699	ND
VINYL CHLORIDE	75-01-4	0.00350	ND	0.00895	ND
BROMOMETHANE	74-83-9	0.0100	ND	0.0388	ND
CHLOROETHANE	75-00-3	0.0100	ND	0.0264	ND
TRICHLOROFLUOROMETHANE	75-69-4	0.0200	ND	0.112	ND
1,1-DICHLOROETHENE	75-35-4	0.0100	ND	0.0397	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	0.0500	ND	0.383	ND
METHYLENE CHLORIDE	75-09-2	0.300	ND	1.04	ND
T-1,2-DICHLOROETHENE	156-60-5	0.0100	ND	0.0396	ND
1,1-DICHLOROETHANE	75-34-3	0.0100	ND	0.0405	ND
C-1,2-DICHLOROETHENE	156-59-2	0.0100	ND	0.0397	ND
CHLOROFORM	67-66-3	0.0100	ND	0.0488	ND
1,1,1-TRICHLOROETHANE	71-55-6	0.0100	ND	0.0546	ND
1,2-DICHLOROETHANE	107-06-2	0.0100	ND	0.0405	ND
BENZENE	71-43-2	0.0500	ND	0.160	ND
CARBON TETRACHLORIDE	56-23-5	0.0100	ND	0.0629	ND
1,2-DICHLOROPROPANE	78-87-5	0.0100	ND	0.0462	ND
TRICHLOROETHENE	79-01-6	0.0100	ND	0.0537	ND
C-1,3-DICHLOROPROPENE	10061-01-5	0.0100	ND	0.0454	ND
T-1,3-DICHLOROPROPENE	10061-02-6	0.0100	ND	0.0454	ND
TOLUENE	108-88-3	0.0500	ND	0.188	ND
1,1,2-TRICHLOROETHANE	79-00-5	0.0100	ND	0.0546	ND
1,2-DIBROMOETHANE	106-93-4	0.0100	ND	0.0768	ND
TETRACHLOROETHENE	127-18-4	0.0100	ND	0.0678	ND
CHLOROBENZENE	108-90-7	0.0100	ND	0.0460	ND
ETHYLBENZENE	100-41-4	0.0100	ND	0.0434	ND
XYLENE (M+P)	179601-23-1	0.0200	ND	0.0868	ND
STYRENE	100-42-5	0.0100	ND	0.0426	ND
XYLENE (O)	95-47-6	0.0100	ND	0.0434	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.0100	ND	0.0687	ND
1,3,5-TRIMETHYLBENZENE	108-67-8	0.0100	ND	0.0492	ND
1,2,4-TRIMETHYLBENZENE	95-63-6	0.0100	ND	0.0492	ND
1,3-DICHLOROBENZENE	541-73-1	0.0100	ND	0.0601	ND
1,4-DICHLOROBENZENE	106-46-7	0.0100	ND	0.0601	ND
1,2-DICHLOROBENZENE	95-50-1	0.0100	ND	0.0601	ND
1,2,4-TRICHLOROBENZENE	120-82-1	0.0100	ND	0.0742	ND
HEXACHLOROBUTADIENE	87-68-3	0.0100	ND	0.107	ND
NAPHTHALENE	91-20-3	0.0150	ND	0.0786	ND
XYLENE (M+P+O)	1330-20-7	0.0200	ND	0.0868	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
MRL - METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
µg/cu. m VALUES ARE CALCULATED FROM PPB RESULTS USING NORMAL TEMPERATURE AND PRESSURE (NPT).

K PRIME, INC.
LABORATORY QUALITY CONTROL REPORT

LAB CONTROL ID: L081720A1
LAB CONTROL DUPLICATE ID: D081720A1

SAMPLE TYPE: AIR
BATCH ID: 081720A1
DATE ANALYZED: 08/17/2020

METHOD: VOC'S IN AIR
REFERENCE: EPA METHOD TO 15 (GC-MS-SIM)

COMPOUND NAME	SPIKE ADDED (PPB)	REPORTING LIMIT (PPB)	SAMPLE CONC (PPB)	SPIKE CONC (PPB)	SPIKE REC (%)	REC LIMITS (%)
1,1-DICHLOROETHENE	0.500	0.010	ND	0.469	94	60 - 140
BENZENE	0.500	0.050	ND	0.495	99	60 - 140
TRICHLOROETHENE	0.500	0.010	ND	0.435	87	60 - 140
TOLUENE	0.500	0.050	ND	0.556	111	60 - 140
TETRACHLOROETHENE	0.500	0.010	ND	0.487	97	60 - 140

COMPOUND NAME	SPIKE ADDED (PPB)	SPIKE DUP CONC (PPB)	SPIKE DUP REC (%)	RPD (%)	QC LIMITS RPD (%)	QC LIMITS REC (%)
1,1-DICHLOROETHENE	0.500	0.459	92	2.1	25	60 - 140
BENZENE	0.500	0.444	89	10.7	25	60 - 140
TRICHLOROETHENE	0.500	0.438	88	0.6	25	60 - 140
TOLUENE	0.500	0.489	98	12.9	25	60 - 140
TETRACHLOROETHENE	0.500	0.487	97	0.1	25	60 - 140

NOTES:
NA - NOT APPLICABLE OR AVAILABLE
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT

K PRIME, INC.
LABORATORY BATCH QC REPORT

SAMPLE ID: B081320A1
SPIKE ID: L081320A1
DUPLICATE ID: D081320A1
BATCH NO: 081320A1
DATE ANALYZED: 08/13/2020

METHOD: METHANE, OXYGEN, NITROGEN (BALANCE)
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
METHANE	0.0500	ND
OXYGEN	0.500	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
METHANE	50.0	ND	54.1	108	85-115
OXYGEN	10.0	ND	10.8	108	85-115
NITROGEN (BALANCE)	40.0	ND	35.1	87.8	85-115

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
METHANE	0.050	54.1	54.6	0.920	±10
OXYGEN	0.500	10.8	10.9	0.922	±10
NITROGEN (BALANCE)	0.500	35.1	34.5	1.72	±10

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: B081320A2
SPIKE ID: L081320A2
DUPLICATE ID: D081320A2
BATCH NO: 081320A2
DATE ANALYZED: 08/13/2020

METHOD: CARBON DIOXIDE
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
CARBON DIOXIDE	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
CARBON DIOXIDE	1.00	ND	1.03	103	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
CARBON DIOXIDE	0.100	1.03	1.04	1.04	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY BATCH QC REPORT

SAMPLE ID: B081820A2
SPIKE ID: L081820A2
DUPLICATE ID: D081820A2
BATCH NO: 081820A2
DATE ANALYZED: 08/18/2020

METHOD: HELIUM
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
HELIUM	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
HELIUM	10.0	ND	10.1	101	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
HELIUM	0.100	10.1	9.92	1.80	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

*Need to meet → 2016 regional water board ESLs, low reporting limits

SUMMA CANISTER CHAIN OF CUSTODY

K PRIME INC.

K Prime, Inc. Laboratory
3621 Westwind Blvd.
Santa Rosa, CA 95403-1067
(707) 527-7574
clientservice@kprimeinc.com

please email results to kcusn@langan.com, gstafford@langan.com, dsutherland@langan.com

□ EDF Log Code: _____

Global ID: _____

Client Company:	LANGAN
Contact:	Grace Stafford, Dustyne Sutherland
Phone:	415-955-5200
Email:	see above
Client Project ID:	731685403

KPI Project Number: 10611

	KPI LAB NO.	SAMPLE I.D. (Location)	Collection: Date	Collection: Time	Canister I.D.	Controller I.D.	Pressure: Initial ("Hg)	Pressure: Final ("Hg)	Analyses: VOCs by TO-15 SIM	Helium by ASTM D-1946M	Methane, oxygen, carbon dioxide, nitrogen by ASTM D-1946M			Turnaround Time: Standard	Notes
1	[illegible]	B-3	08/12/2020	12:24	855	742	-27	-6	X	X	X				*1L
2	[illegible]	B-19	8/12/20	13:15	363	680	-30	-8	X	X	X				*1L
3	[illegible]	B-20	(13:50)	13:26	250	6161	-25	-8	X	X	X				*1L
4	[illegible]	B-41		11:34	109	6164	-30	-6	X	X	X				*1L
5	[illegible]	B-60		16:03	600	735	-30	-15	X	X	X				*1L
6	[illegible]	B-61		15:03	2913	651	-26	-10	X	X	X				*1L
7	[illegible]	AA-081220		1500	917	7097	-30	-4.5	X						*1L
8															*See above
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

Relinquished by: (Signature) Kyn Qu	Received by: (Signature)	Date: 8/13/2020	Time: 14.00
Relinquished by: (Signature)	Received by: (Signature) KPI	Date: 8/13/2020	Time: 17.02
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

K PRIME, Inc.

CONSULTING ANALYTICAL CHEMISTS

3621 Westwind Blvd.
Santa Rosa CA 95403
Phone: 707 527 7574
FAX: 707 527 7879

TRANSMITTAL

DATE: 11/20/2020

TO: MS. DUSTYNE SUTHERLAND
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, INC.
501 14TH STREET, THIRD FLOOR
OAKLAND, CA 94612

Phone: 415-955-5200
Email: dsutherland@langan.com

ACCT: 4841
PROJ: 731685405

CC: MS. GRACE STAFFORD
MS. NICOLE MCCALLUM
Email: gtafford@langan.com
nmccallum@langan.com

FROM: Richard A. Kagel, Ph.D. RAK
Laboratory Director by AB
11/20/20

SUBJECT: LABORATORY RESULTS FOR YOUR PROJECT 731685405

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	TYPE	DATE	TIME	KPI LAB #
B-78	AIR	11/13/2020	16:16	209775
B-74	AIR	11/13/2020	14:06	209776
B-73	AIR	11/13/2020	12:11	209777
B-69	AIR	11/13/2020	9:04	209778
B-70	AIR	11/13/2020	9:52	209779
B-70-B	AIR	11/13/2020	10:52	209780
B-67	AIR	11/13/2020	7:45	209781
B-64	AIR	11/12/2020	14:06	209782
B-66	AIR	11/12/2020	16:50	209783
B-62	AIR	11/12/2020	12:17	209784
B-63	AIR	11/12/2020	13:20	209785
B-65	AIR	11/12/2020	15:36	209786
B-77	AIR	11/13/2020	14:51	209787
B-76	AIR	11/13/2020	15:36	209788
B-75	AIR	11/13/2020	14:00	209789

B-68	AIR	11/13/2020	8:29	209790
B-72	AIR	11/13/2020	11:37	209791
B-71	AIR	11/13/2020	10:53	209792

The above listed sample group was received on 11/16/2020 and tested as requested on the chain of custody document.

Please call me if you have any questions or need further information.
Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

METHOD: CARBON DIOXIDE
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

SAMPLE ID	LAB NO.	DATE SAMPLED	TIME SAMPLED	BATCH NO	DATE ANALYZED	MRL	SAMPLE CONC
B-78	209775	11/13/2020	16:16	111720A5	11/18/2020	0.100	ND
B-74	209776	11/13/2020	14:06	111720A5	11/18/2020	0.100	0.270
B-73	209777	11/13/2020	12:11	111720A5	11/18/2020	0.100	0.968
B-69	209778	11/13/2020	09:04	111720A5	11/18/2020	0.100	0.662
B-70-B	209780	11/13/2020	10:52	111720A5	11/18/2020	0.100	ND
B-67	209781	11/13/2020	07:45	111720A5	11/18/2020	0.100	ND
B-64	209782	11/12/2020	14:06	111720A5	11/18/2020	0.100	0.124
B-66	209783	11/12/2020	16:50	111720A6	11/18/2020	0.100	10.8
B-62	209784	11/12/2020	12:17	111720A5	11/18/2020	0.100	ND
B-63	209785	11/12/2020	13:20	111720A5	11/18/2020	0.100	0.201
B-65	209786	11/12/2020	15:36	111720A5	11/18/2020	0.100	0.236
B-77	209787	11/13/2020	14:51	111720A5	11/18/2020	0.100	0.552
B-76	209788	11/13/2020	15:36	111720A5	11/18/2020	0.100	1.09
B-75	209789	11/13/2020	14:00	111720A6	11/18/2020	0.150	0.836
B-68	209790	11/13/2020	08:29	111720A6	11/18/2020	0.100	18.2
B-72	209791	11/13/2020	11:37	111720A6	11/18/2020	0.100	0.105
B-71	209792	11/13/2020	10:53	111720A6	11/18/2020	0.100	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

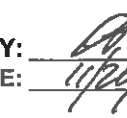
SAMPLE ID: B-78
LAB NO: 209775
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 16:16
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	22.9
NITROGEN(BALANCE)	1.00	77.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: 
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-74
LAB NO: 209776
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 14:06
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	21.8
NITROGEN(BALANCE)	1.00	78.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-73
LAB NO: 209777
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 12:11
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	18.4
NITROGEN(BALANCE)	1.00	80.6

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-69
LAB NO: 209778
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 09:04
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	20.3
NITROGEN(BALANCE)	1.00	79.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-70-B
LAB NO: 209780
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 10:52
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	15.1
NITROGEN(BALANCE)	1.00	84.9

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-67
LAB NO: 209781
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 07:45
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	1.61
OXYGEN	1.00	22.4
NITROGEN(BALANCE)	1.00	75.9

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-64
LAB NO: 209782
BATCH NO: 111320A2
DATE SAMPLED: 11/12/2020
TIME SAMPLED: 14:06
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	18.5
NITROGEN(BALANCE)	1.00	81.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: 
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-66
LAB NO: 209783
BATCH NO: 111820A4
DATE SAMPLED: 11/12/2020
TIME SAMPLED: 16:50
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	34.6
OXYGEN	1.00	16.4
NITROGEN(BALANCE)	1.00	38.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-62
LAB NO: 209784
BATCH NO: 111320A2
DATE SAMPLED: 11/12/2020
TIME SAMPLED: 12:17
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	21.6
NITROGEN(BALANCE)	1.00	78.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-63
LAB NO: 209785
BATCH NO: 111320A2
DATE SAMPLED: 11/12/2020
TIME SAMPLED: 13:20
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	18.4
NITROGEN(BALANCE)	1.00	81.4

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-65
LAB NO: 209786
BATCH NO: 111320A2
DATE SAMPLED: 11/12/2020
TIME SAMPLED: 15:36
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	22.0
NITROGEN(BALANCE)	1.00	77.8

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-77
LAB NO: 209787
BATCH NO: 111320A2
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 14:51
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	22.3
NITROGEN(BALANCE)	1.00	77.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-76
LAB NO: 209788
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 15:36
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	18.6
NITROGEN(BALANCE)	1.00	80.3

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-75
LAB NO: 209789
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 14:00
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.150	ND
OXYGEN	1.50	24.3
NITROGEN(BALANCE)	1.50	74.9

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: 
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-68
LAB NO: 209790
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 08:29
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	18.3
OXYGEN	1.00	8.31
NITROGEN(BALANCE)	1.00	55.2

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-72
LAB NO: 209791
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 11:37
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	17.9
NITROGEN(BALANCE)	1.00	82.0

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

SAMPLE ID: B-71
LAB NO: 209792
BATCH NO: 111820A4
DATE SAMPLED: 11/13/2020
TIME SAMPLED: 10:53
DATE ANALYZED: 11/19/2020

METHOD: METHANE, OXYGEN, NITROGEN
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
METHANE	0.100	ND
OXYGEN	1.00	21.3
NITROGEN(BALANCE)	1.00	78.6

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY REPORT

K PRIME PROJECT: 4841
CLIENT PROJECT: 731685405

METHOD: HELIUM
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

SAMPLE ID	LAB NO	BATCH NO	DATE SAMPLED	TIME SAMPLED	DATE ANALYZED	MRL	SAMPLE CONC
B-78	209775	111620A2	11/13/2020	16:16	11/18/2020	0.100	ND
B-74	209776	111620A2	11/13/2020	14:06	11/18/2020	0.100	ND
B-73	209777	111620A2	11/13/2020	12:11	11/18/2020	0.100	ND
B-69	209778	111620A2	11/13/2020	09:04	11/18/2020	0.100	ND
B-70-B	209780	111620A2	11/13/2020	10:52	11/18/2020	0.100	ND
B-67	209781	111620A2	11/13/2020	07:45	11/18/2020	0.100	ND
B-64	209782	111620A2	11/12/2020	14:06	11/18/2020	0.100	ND
B-66	209783	111620A2	11/12/2020	16:50	11/18/2020	0.100	ND
B-62	209784	111620A2	11/12/2020	12:17	11/18/2020	0.100	ND
B-63	209785	111620A2	11/12/2020	13:20	11/18/2020	0.100	ND
B-65	209786	111620A2	11/12/2020	15:36	11/18/2020	0.100	ND
B-77	209787	111620A2	11/13/2020	14:51	11/18/2020	0.100	ND
B-76	209788	111820A3	11/13/2020	15:36	11/18/2020	0.100	ND
B-75	209789	111820A3	11/13/2020	14:00	11/18/2020	0.150	ND
B-68	209790	111820A3	11/13/2020	08:29	11/18/2020	0.100	ND
B-72	209791	111820A3	11/13/2020	11:37	11/18/2020	0.100	ND
B-71	209792	111820A3	11/13/2020	10:53	11/18/2020	0.100	ND

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED METHOD REPORTING LIMIT
NA - NOT APPLICABLE OR AVAILABLE
MRL - METHOD REPORTING LIMIT

APPROVED BY: _____
DATE: 11/20/20

K PRIME, INC.
LABORATORY BATCH QC REPORT

SAMPLE ID: B111720A5
SPIKE ID: L111720A5
DUPLICATE ID: D111720A5
BATCH NO: 111720A5
DATE ANALYZED: 11/17/2020

METHOD: CARBON DIOXIDE
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
CARBON DIOXIDE	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
CARBON DIOXIDE	1.00	ND	0.817	82	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
CARBON DIOXIDE	0.100	0.817	0.884	7.9	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY BATCH QC REPORT

SAMPLE ID: B111720A6
SPIKE ID: L111720A6
DUPLICATE ID: D111720A6
BATCH NO: 111720A6
DATE ANALYZED: 11/17/2020

METHOD: CARBON DIOXIDE
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
CARBON DIOXIDE	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
CARBON DIOXIDE	1.00	ND	0.807	81	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
CARBON DIOXIDE	0.100	0.807	0.815	1.0	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: B111320A2
SPIKE ID: L111320A2
DUPLICATE ID: D111320A2
BATCH NO: 111320A2
DATE ANALYZED: 11/13/2020

METHOD: METHANE, OXYGEN, NITROGEN (BALANCE)
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
METHANE	0.0500	ND
OXYGEN	0.500	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
METHANE	50.0	ND	52.7	105	85-115
OXYGEN	10.0	ND	9.37	94	85-115
NITROGEN (BALANCE)	40.0	ND	37.9	95	85-115

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
METHANE	0.050	52.7	50.3	4.7	±10
OXYGEN	0.500	9.37	8.75	6.8	±10
NITROGEN (BALANCE)	0.500	37.9	41.0	7.7	±10

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: B111820A4
SPIKE ID: L111820A4
DUPLICATE ID: D111820A4
BATCH NO: 111820A4
DATE ANALYZED: 11/18/2020

METHOD: METHANE, OXYGEN, NITROGEN (BALANCE)
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
METHANE	0.0500	ND
OXYGEN	0.500	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
METHANE	50.0	ND	55.0	110	85-115
OXYGEN	10.0	ND	11.0	110	85-115
NITROGEN (BALANCE)	40.0	ND	34.0	85	85-115

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
METHANE	0.0500	55.0	54.3	1.3	±10
OXYGEN	0.500	11.0	11.0	0.0	±10
NITROGEN (BALANCE)	0.500	34.0	34.7	2.0	±10

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.
LABORATORY BATCH QC REPORT

SAMPLE ID: B111620A2
SPIKE ID: L111620A2
DUPLICATE ID: D111620A2
BATCH NO: 111620A2
DATE ANALYZED: 11/16/2020

METHOD: HELIUM
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
HELIUM	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
HELIUM	10.0	ND	9.17	92	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
HELIUM	0.100	9.17	9.36	2.1	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

K PRIME, INC.

LABORATORY BATCH QC REPORT

SAMPLE ID: B111820A3
SPIKE ID: L111820A3
DUPLICATE ID: D111820A3
BATCH NO: 111820A3
DATE ANALYZED: 11/18/2020

METHOD: HELIUM
REFERENCE: ASTM D 1946

SAMPLE TYPE: AIR
UNITS: %-V

METHOD BLANK

COMPOUND NAME	REPORTING LIMIT	SAMPLE RESULT
HELIUM	0.100	ND

ACCURACY (MATRIX SPIKE)

COMPOUND NAME	SPIKE ADDED	SAMPLE RESULT	SPIKE RESULT	RECOVERY (%)	LIMITS (%)
HELIUM	10.0	ND	9.24	92	70-130

PRECISION (SPIKE DUPLICATE)

COMPOUND NAME	REPORTING LIMIT	SPIKE RESULT	DUPLICATE RESULT	RPD (%)	LIMITS (%)
HELIUM	0.100	9.24	8.25	11.3	±20

NOTES:
ND - NOT DETECTED AT OR ABOVE THE STATED REPORTING LIMIT
NA - NOT AVAILABLE OR APPLICABLE

14675

LANGAN

CHAIN OF CUSTODY RECORD

☐ 135 Main Street, Suite 1500, San Francisco, CA 94105
☒ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

4841

Site Name: MAPLE STREET
Job Number: 731685405
Project Manager\Contact: DUSTYNE
Samplers: NICOLE McCALLUM + DAPHNE KUCTA
Recorder (Signature Required):

Turnaround Time
* ~~5 DAY~~
RESULTS BY EOD
11/19/2020. PER GRACE STAFFORD 11/16/2020 am

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Helium	Methane	CO_2	O_2	Nitrogen	Silica gel clean-up	Hold	Remarks	EPI #
B-78	11/13/2020	1616	B-78			X						X	X	X	X	X				209775
B-74	11/13/20	~~1354~~ 1406	B-74			X														209776
B-73	11/13/20	1211	B-73																	209777
B-69	11/13/20	09104	B-69																	209778
B-70	11/13/20	0952	B-70															X	HOLD	209779
B-70-B	11/13/20	1052	B-70-B																	209780
B-67	11/13/20	0745	B-67																	209781
B-64	11/12/20	1406	B-64																	209782
B-66	11/12/20	1650	B-66																	209783
B-62	11/12/20	1217	B-62																	209784
B-63	11/12/20	1320	B-63																	209785
B-65	11/12/20	1536	B-65																	209786
B-77	11/13/20	1451	B-77																	209787
B-76	11/13/20	1536	B-76																	209788

Relinquished by: (Signature)	Date: 11/13/20	Time 7:08pm	Received by: (Signature)	Date 11-16-20	Time 9.00
Relinquished by: (Signature)	Date: 11-16-20	Time 13:26	Received by: (Signature)	Date 11/16/2020	Time 1326
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

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

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

ease CC → GSTAFFORD@LANGAN.COM, DSUTHERLAND@LANGAN.COM

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

ease CC nmccallum@langan.com

14676

LANGAN

CHAIN OF CUSTODY RECORD

☐ 135 Main Street, Suite 1500, San Francisco, CA 94105
☒ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

4841

Site Name: MAPLE STREET
Job Number: 731685405
Project Manager\Contact: DUSTYNE
Samplers: NICOLE McCALLUM + DAPHNE KUTA
Recorder (Signature Required):

Turnaround Time: * 5 DAY RESULTS BY EOD
11/19/2020. PER GRACE STAFFORD 11/16/2020 clw

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: Helium	Methane	CO_2	O_2	Nitrogen	Silica gel clean-up	Hold	Remarks	KPI#
B-75	11/13/20	1400	B-75			X						X	X	X	X	X				209789
B-68	11/13/20	0829	B-68																	209790
B-72	11/13/20	1137	B-72																	209791
B-71	11/13/20	1653	B-71																	209792

Relinquished by: (Signature)	Date: 11/13/20	Time 7:08pm	Received by: (Signature)	Date 11-16-20	Time 9.00
Relinquished by: (Signature)	Date: 11-16-20	Time 13.26	Received by: (Signature)	Date 11/16/2020	Time 1326
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): K Prime

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

Laboratory Comments/Notes:

Please cc → GSTAFFORD@LANGAN.COM, DSUTHERLAND@LANGAN.COM

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

Please cc nmccallum@langan.com

APPENDIX D

COPIES OF WASTE MANIFESTS AND LANDFILL WEIGHT TICKETS

Copies of Class I non-RCRA Hazardous Waste Manifests and Landfill Weight Tickets

LANGAN

Class 1 Transport and Disposal Costs

WASTE SOLUTIONS GROUP

I N V O I C E

ECDC Profile# 4041 19 2085

Invoice Date: 24-Jun-19
Invoice Number: 2019-1848

Client: **A & B CONSTRUCTION**
225 3rd Street
Oakland CA 94607

Attn: Accounts Payable

Project: Transportation & disposal of Class 1 non-RCRA hazardous solid waste from the 1548 Maple LLC project located at 1548 Maple Street, Redwood City, CA.

Contract: Waste Services Agreement signed by Pete Buss and Larry Frias on June 04, 2019.

Period	Details	Total Tons[1]	Net 30 $122.50/ton	Net 45 $123.50/ton	Net 60 $124.50/ton
6/4/19-6/21/19	Transport & Disposal of non-RCRA soil	716.60	$87,783.50	$88,500.10	$89,216.70
	Excess Weight Charges[2]: Container loads w/ 30 tons & above- 6 X $250		~~$1,500.00~~	$1,500.00	$1,500.00
	TOTAL CHARGES	$ 87,783.50	~~$89,283.50~~	$90,000.10	$90,716.70

[1]The above tonnage is based on scale weights obtained from SFBR's Lift Equipment at the SF railyard per Scope of Services, there is a 22 ton minimum for each container load.

[2]Per Exhibit A - Scope of Services for any container loaded in excess of 30 tons there is a flat $250 additional charge for WSG's excess handling and wear and tear on SFBR railyard lift equipment.

Attachments: Summary of Weights (Attachment A); Copies of Scale Weight Tickets (Attachment B); and Summary of Truck Standby Charges (Attchment C); and Copies of Manifests (Attachment D).

Per Fees and Payment Terms of contract, A&B Construction will pay WSG based on the rate table above within 60 days of A&B Construction's receipt of this invoice. Late payments beyond 60 days will incur a 1.5% late charge for each whole or partial month. Please send payment to:

Waste Solutions Group
P.O. Box 882853
San Francisco, CA 94188-2853

Attn: Larry F. Frias, CFO

Thank you and we appreciate your business.

ATTACHMENT A

Summary of Weights

WASTE SOLUTIONS GROUP

Summary of Weights
Job Name : 1548 Maple LLC Project
ECDC Profile No. 19 2085
06/04/19-06/21/19

Load #	Trucker	Container No.	Manifest No.	Load Date	SFBR Wt (Tons)	Billable Tons (22 tons min)	No. of loads w/ 30 tons & over
1	ANTWAINE	2059-1	013155854	06/04/19	25.00	25.00	
2	MARVELL	2064-1	013155855	06/04/19	24.50	24.50	
3	KEVIN	3125-1	013155856	06/04/19	27.80	27.80	
4	MIKE	3010-1	013155857	06/04/19	30.20	30.20	1
5	ANTWAINE	2059-2	013155858	06/04/19	24.90	24.90	
6	KEVIN	3125-2	013155859	06/04/19	30.90	30.90	1
7	MARVELL	2064-2	013155860	06/04/19	28.50	28.50	
8	MIKE	2181-2	013155861	06/04/19	28.00	28.00	
9	KEVIN	3125-3	013155862	06/04/19	33.00	33.00	1
10	ANTWAINE	2059-3	013155863	06/04/19	31.40	31.40	1
11	MARVELL	2064-3	013155864	06/04/19	31.30	31.30	1
12	MARVELL	2022-1	013155865	06/07/19	23.80	23.80	
13	TREVOR	3099-1	013155866	06/07/19	28.40	28.40	
14	MICHAEL	2181-1	013155867	06/07/19	26.40	26.40	
15	WILLIAM	2062-1	013155868	06/07/19	26.00	26.00	
16	KEVIN	3043-1	013155869	06/07/19	28.40	28.40	
17	MARVELL	2022-2	013155870	06/07/19	26.60	26.60	
18	TREVOR	3099-2	013155871	06/07/19	25.60	25.60	
19	WILLIAM	2062-2	013155872	06/07/19	21.90	22.00	
20	MICHAEL	2181-2	013155873	06/07/19	17.20	22.00	
21	ANTWAINE	2049-1	013155874	06/21/19	27.40	27.40	
22	MARVELL	3092-1	013155875	06/21/19	30.20	30.20	1
23	ANTWAINE	2049-2	013155876	06/21/19	26.10	26.10	
24	MARVELL	3092-2	013155877	06/21/19	29.90	29.90	
25	MARVELL	3092-3	013155878	06/21/19	29.70	29.70	
26	ANTWAINE	2049-3	013155879	06/21/19	28.60	28.60	
				TOTAL TONS		716.60	6

ATTACHMENT B

Copies of Scale Weight Tickets

SAN FRANCISCO BAY RAILROAD (SFBR)

Copies of Scale Weight Ticket - 06/04/19-06/07/19

ECDC Profile No. 19 2085 - 1548 Maple LLC Project

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 08:38:22AM

RAILCAR# 533566
MANIFEST# 5854

Add (1) 25.00 ton

PROD01 25.00 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 08:30:21AM

RAILCAR# 533566
MANIFEST# 5855

Add (1) 24.50 ton

PROD01 24.50 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 08:45:50AM

RAILCAR# 533566
MANIFEST# 5856

Add (1) 27.80 ton

PROD01 27.80 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 09:08:26AM

RAILCAR# 533527
MANIFEST# 5857

Add (1) 30.20 ton

PROD01 30.20 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 10:53:29AM

RAILCAR# 533527
MANIFEST# 5858

Add (1) 24.90 ton

PROD01 24.90 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 11:01:30AM

RAILCAR# 533527
MANIFEST# 5860

Add (1) 28.50 ton

PROD01 28.50 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 10:38:49AM

RAILCAR# 533527
MANIFEST# 5859

Add (1) 30.90 ton

PROD01 30.90 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 11:39:24AM

RAILCAR# 533527
MANIFEST# 5861

Add (1) 28.00 ton

PROD01 28.00 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 12:26:33PM

RAILCAR# 533465
MANIFEST# 5862

Add (1) 33.00 ton

PROD01 33.00 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 12:54:39PM

RAILCAR# 533465
MANIFEST# 5863

Add (1) 31.40 ton

PROD01 31.40 ton

SF BAY RAIL

ID 1, Mijack 1
04 JUN 19 01:12:03PM

RAILCAR# 533465
MANIFEST# 5864

Add (1) 31.30 ton

PROD01 31.30 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 09:50:39AM

RAILCAR# 533465
MANIFEST# 5865

Add (1) 23.80 ton

PROD01 23.80 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 10:20:14AM

RAILCAR# 4940
MANIFEST# 5866

Add (1) 28.40 ton

PROD01 28.40 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 10:58:00AM

RAILCAR# 4940
MANIFEST# 5867

Add (1) 26.40 ton

PROD01 26.40 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 10:50:22AM

RAILCAR# 4940
MANIFEST# 5868

Add (1) 26.00 ton

PROD01 26.00 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 11:47:08AM

RAILCAR# 4940
MANIFEST# 5869

Add (1) 28.40 ton

PROD01 28.40 ton

SF BAY RAIL

ID 1, Mijack 1
07 JUN 19 12:30:00PM

RAILCAR# 4874
MANIFEST# 5870

Add (1) 26.60 ton

PROD01 26.60 ton

07 JUN 19 1:10:20PM
Sf bay rail
ID 3, Mij3
Manifest 5871
Railcar 4615

Contam soil 25.60 ton

Add (1) 25.60 ton

07 JUN 19 1:18:10PM
Sf bay rail
ID 3, Mij3
Manifest 5872
Railcar 4874

Contam soil 21.90 ton

Add (1) 21.90 ton

07 JUN 19 1:38:04PM
Sf bay rail
ID 3, Mij3
Manifest 5873
Railcar 4874

Contam soil 17.20 ton

Add (1) 17.20 ton

WASTE SOLUTIONS GROUP

I N V O I C E

ECDC Profile# 4041 19 2085

Invoice Date: 8-Jul-19
Invoice Number: 2019-1865

RECEIVED
JUL - 9 2019
By

Client: **A & B CONSTRUCTION**
225 3rd Street
Oakland CA 94607

Attn: Accounts Payable

Project: Transportation & disposal of Class 1 non-RCRA hazardous solid waste from the 1548 Maple LLC project located at 1548 Maple Street, Redwood City, CA.

Contract: Waste Services Agreement signed by Pete Buss and Larry Frias on June 04, 2019.

Period	Details	Total Tons[1]	Net 30 $122.50/ton	Net 45 $123.50/ton	Net 60 $124.50/ton
6/25/2019	Transport & Disposal of non-RCRA soil	44.00	$5,390.00	$5,434.00	$5,478.00
	TOTAL CHARGES		$5,390.00	$5,434.00	$5,478.00

[1]The above tonnage is based on scale weights obtained from SFBR's Lift Equipment at the SF railyard per Scope of Services, there is a 22 ton minimum for each container load.

Attachments: Summary of Weights and Copy of Scale Weight Ticket (Attachment A); and Copies of Manifests (Attachment B).

Per Fees and Payment Terms of contract, A&B Construction will pay WSG based on the rate table above within 60 days of A&B Construction's receipt of this invoice. Late payments beyond 60 days will incur a 1.5% late charge for each whole or partial month. Please send payment to:

Waste Solutions Group
P.O. Box 882853
San Francisco, CA 94188-2853

Attn: Larry F. Frias, CFO

Thank you and we appreciate your business.

ATTACHMENT A

Summary of Weights & Copies Scale Weight Tickets

WASTE SOLUTIONS GROUP

Summary of Weights

Job Name : 1548 Maple LLC Project

ECDC Profile No. 19 2085

06/25/19

Load #	Trucker	Container No.	Manifest No.	Load Date	SFBR Wt (Tons)	Billable Tons (22 tons minimun)
1	ANTWAINE	2046-1	013155880	06/25/19	18.90	22.00
2	ANTWAINE	2046-2	013155881	06/25/19	21.60	22.00
					TOTAL TONS	**44.00**

SF BAY RAIL

ID 1, Mijack 1
25 JUN 19 08:00:24AM

RAILCAR# 533489
MANIFEST# 5880

Add (1) 18.90 ton

PROD01 18.90 ton

SF BAY RAIL

ID 1, Mijack 1
25 JUN 19 11:21:34AM

RAILCAR# 533489
MANIFEST# 5881

Add (1) 21.60 ton

PROD01 21.60 ton

REPUBLIC SERVICES

V-1332

I N V O I C E

ECDC Profile# 4041 19 2085

Invoice Date: 19-Nov-19
Invoice Number: 2019-51972

Client: **A & B CONSTRUCTION**
225 3rd Street
Oakland CA 94607

Attn: Accounts Payable

18247

Project: Transportation & disposal of Class 1 non-RCRA hazardous solid waste from the 1548 Maple LLC project located at 1648 Maple Street in Redwood City, CA.

Contract: Waste Services Agreement signed by Pete Buss and Larry Frias on June 4, 2019.

Period	Details	Total Tons[1]	Net 30 $122.50/ton	Net 45 $123.50/ton	Net 60 $124.50/ton
11/18/2019	Transport & Disposal of non-RCRA soil	1,101.50	$134,933.75	$136,035.25	$137,136.75
	Excess Weight Charges[2] Container loads w/ 30 tons & above 9X$250.00		~~$2,250.00~~	$2,250.00	$2,250.00
	TOTAL CHARGES		$ 134,933.75 ~~$137,183.75~~	$138,285.25	$139,386.75

[1]The above tonnage is based on scale weights obtained from SFBR's Lift Equipment at the SF railyard.

[2]Per Exhibit A - Scope of Services for any container loaded in excess of 30 tons there is a flat $250 additional charge for WSG's excess handling and wear and tear on SFBR railyard lift equipment.

Attachments: Summary of Weights (Attachment A); Copies of Scale Weight Tickets (Attachment B); and Copies of Manifests (Attachment C).

Per Fees and Payment Terms of contract, A&B Construction will pay WSG based on the rate table above within 60 days of A&B Construction's receipt of this invoice. Late payments beyond 60 days will incur a 1.5% late charge whole or partial month. Please make your payment check payable to **WASTE SERVICES GROUP** & send it to:

WASTE SERVICES GROUP
P.O. Box 882853
San Francisco, CA 94188-2853

Attn: Larry F. Frias, BU Finance Manager

Thank you and we appreciate your business.

ATTACHMENT A

Summary of Weights

REPUBLIC SERVICES

Summary of Weights
Job Name : 1548 Maple LLC Project
ECDC Profile No. 19 2085
11/18/19

Load #	Trucker	Container No.	Manifest No.	Load Date	SFBR Wt (Tons)	No. of Loads w/ 30 tons and over
1	DAVINDER	3165-1	013159501	11/18/19	29.80	
2	DURKEE	2041-1	013159502	11/18/19	24.90	
3	KEVIN J.	2215-1	013159503	11/18/19	24.30	
4	ANTWAINE	2110-1	013159504	11/18/19	25.00	
5	MARVELL	2002-1	013159505	11/18/19	25.00	
6	KEVIN R.	2034-1	013159506	11/18/19	25.30	
7	DEKODA	2048-1	013159507	11/18/19	25.20	
8	KEVIN R.	2034-1	013159539	11/18/19	25.70	
9	ANTWAINE	2110-4	013159540	11/18/19	24.20	
10	KEVIN R.	2133-4	013159541	11/18/19	24.10	
11	MARVELL	2002-4	013159542	11/18/19	25.40	
12	DURKEE	2041-4	013159543	11/18/19	23.80	
13	LUCKY	2072-4	013159544	11/18/19	29.20	
14	DAVINDER	3165-4	013159545	11/18/19	34.30	1
15	WILLIAM	3099-4	013159546	11/18/19	34.60	1
16	JOHN	3030-3	013159547	11/18/19	32.20	1
17	KARIM	3010-3	013159548	11/18/19	31.30	1
18	DEKODA	2048-3	013159549	11/18/19	28.00	
19	ANTWAINE	2110-3	013159550	11/18/19	28.60	
20	KEVIN R.	2133-3	013159551	11/18/19	29.10	
21	MARVELL	2002-3	013159552	11/18/19	30.10	1
22	DURKEE	2041-3	013159553	11/18/19	29.60	
23	LUCKY	2072-1	013159554	11/18/19	28.10	
24	KEVIN J.	2215-3	013159555	11/18/19	28.70	
25	WILLIAM	3099-3	013159556	11/18/19	32.30	1
26	DAVINDER	3165-3	013159557	11/18/19	30.40	1
27	JOHN	3030-2	013159558	11/18/19	29.70	
28	KARIM	3010-2	013159559	11/18/19	30.20	1
29	DEKODA	2048-2	013159560	11/18/19	28.60	
30	KEVIN R.	2033-2	013159561	11/18/19	28.60	
31	MARVELL	2002-2	013159562	11/18/19	28.80	
32	ANTWAINE	2110-2	013159563	11/18/19	28.50	
33	DURKEE	2041-2	013159564	11/18/19	28.50	
34	KEVIN J.	2215-2	013159565	11/18/19	26.90	
35	WILLIAM	3099-2	013159566	11/18/19	29.90	
36	DAVINDER	3165-2	013159567	11/18/19	26.80	
37	JOHN	3030-1	013159568	11/18/19	27.10	
38	KARIM	3010-1	013159569	11/18/19	28.40	
39	WILLIAM	3099-1	013159570	11/18/19	30.30	1
				TOTAL TONS	**1,101.50**	**9**

ATTACHMENT B

Copies of Scale Weight Tickets

SAN FRANCISCO BAY RAILWAY (SFBR)
Copies of Scale Weight Tickets - 11/18/19
ECDC Profile No. 19 2085 - 1548 Maple LLC Project

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:03:10AM

RAILCAR# 4980
MANIFEST# 9501

Add (1) 29.80 ton

PROD01 29.80 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:19:16AM

RAILCAR# 4980
MANIFEST# 9502

Add (1) 24.90 ton

PROD01 24.90 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:24:36AM

RAILCAR# 94008
MANIFEST# 9503

Add (1) 24.30 ton

PROD01 24.30 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:33:36AM

RAILCAR# 4980
MANIFEST# 9504

Add (1) 25.00 ton

PROD01 25.00 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:42:43AM

RAILCAR# 94008
MANIFEST# 9505

Add (1) 25.00 ton

PROD01 25.00 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 09:01:26AM

RAILCAR# 94008
MANIFEST# 9506

Add (1) 25.30 ton

PROD01 25.30 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 09:13:06AM

RAILCAR# 94008
MANIFEST# 9507

Add (1) 25.20 ton

PROD01 25.20 ton

SF BAY RAILWAY

ID 1, Mijack 1
19 NOV 19 09:40:47AM

RAILCAR# 533412
MANIFEST# 9539

Add (1) 25.70 ton

PROD01 25.70 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 02:46:17PM

RAILCAR# 533412
MANIFEST# 9540

Add (1) 24.20 ton

PROD01 24.20 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 02:52:48PM

RAILCAR# 533412
MANIFEST# 9541

Add (1) 24.10 ton

PROD01 24.10 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 02:27:00PM

RAILCAR# 533412
MANIFEST# 9542

Add (1) 25.40 ton

PROD01 25.40 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 02:20:10PM

RAILCAR# 533536
MANIFEST# 9543

Add (1) 23.80 ton

PROD01 23.80 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 02:38:08PM

RAILCAR# 533412
MANIFEST# 9544

Add (1) 29.20 ton

PROD01 29.20 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 01:55:58PM

RAILCAR# 533536
MANIFEST# 9545

Add (1) 34.30 ton

PROD01 34.30 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 01:50:01PM

RAILCAR# 533536
MANIFEST# 9546

Add (1) 34.60 ton

PROD01 34.60 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 01:42:57PM

RAILCAR# 5612
MANIFEST# 9547

Add (1) 32.20 ton

PROD01 32.20 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 01:33:13PM

RAILCAR# 5612
MANIFEST# 9548

Add (1) 31.30 ton

PROD01 31.30 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 01:24:59PM

RAILCAR# 5612
MANIFEST# 9549

Add (1) 28.00 ton

PROD01 28.00 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:59:10PM

RAILCAR# 533571
MANIFEST# 9550

Add (1) 28.60 ton

PROD01 28.60 ton

SAN FRANCISCO BAY RAILWAY (SFBR)
Copies of Scale Weight Tickets - 11/18/19
ECDC Profile No. 19 2085 - 1548 Maple LLC Project

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:52:39PM

RAILCAR# 533571
MANIFEST# 9551

Add (1) 29.10 ton

PROD01 29.10 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:43:35PM

RAILCAR# 533571
MANIFEST# 9552

Add (1) 30.10 ton

PROD01 30.10 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:37:57PM

RAILCAR# 533571
MANIFEST# 9553

Add (1) 29.60 ton

PROD01 29.60 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:31:01PM

RAILCAR# 533571
MANIFEST# 9554

Add (1) 28.10 ton

PROD01 28.10 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:22:27PM

RAILCAR# 4907
MANIFEST# 9555

Add (1) 28.70 ton

PROD01 28.70 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:09:18PM

RAILCAR# 4907
MANIFEST# 9556

Add (1) 32.30 ton

PROD01 32.30 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 12:15:59PM

RAILCAR# 4907
MANIFEST# 9557

Add (1) 30.40 ton

PROD01 30.40 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 11:59:25AM

RAILCAR# 4907
MANIFEST# 9558

Add (1) 29.70 ton

PROD01 29.70 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 11:39:49AM

RAILCAR# 533621
MANIFEST# 9559

Add (1) 30.20 ton

PROD01 30.20 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 11:32:08AM

RAILCAR# 533621
MANIFEST# 9560

Add (1) 28.60 ton

PROD01 28.60 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 11:10:35AM

RAILCAR# 533621
MANIFEST# 9561

Add (1) 28.60 ton

PROD01 28.60 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:54:25AM

RAILCAR# 94180
MANIFEST# 9562

Add (1) 28.80 ton

PROD01 28.80 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 11:01:07AM

RAILCAR# 94180
MANIFEST# 9563

Add (1) 28.50 ton

PROD01 28.50 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:48:08AM

RAILCAR# 94180
MANIFEST# 9564

Add (1) 28.50 ton

PROD01 28.50 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:37:51AM

RAILCAR# 4886
MANIFEST# 9565

Add (1) 26.90 ton

PROD01 26.90 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:31:20AM

RAILCAR# 4886
MANIFEST# 9566

Add (1) 29.90 ton

PROD01 29.90 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:24:37AM

RAILCAR# 4886
MANIFEST# 9567

Add (1) 26.80 ton

PROD01 26.80 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 10:17:30AM

RAILCAR# 4886
MANIFEST# 9568

Add (1) 27.10 ton

PROD01 27.10 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 09:23:55AM

RAILCAR# 94008
MANIFEST# 9569

Add (1) 28.40 ton

PROD01 28.40 ton

SF BAY RAILWAY

ID 1, Mijack 1
18 NOV 19 08:09:48AM

RAILCAR# 4980
MANIFEST# 9570

Add (1) 30.30 ton

PROD01 30.30 ton

Please print or type.

Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-9772	013159501 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: Davinder Singh
U.S. EPA ID Number: CAR000216697

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000697

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 31655 RAILCAR NO. WSGX 4980

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: Nikolas Krukowski
Signature:
Month: 11 Day: 15 Year: 19

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: Davinder Singh
Signature:
Month: 11 Day: 15 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias
Signature:
Month: 11 Day: 16 Year: 19

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.

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

Please print or type.

Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159502 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451

U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO.: 2041-1
RAILCAR NO.: TTSGX 4980

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: DURKEE — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-00

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159503 FLE

GENERATOR

5. Generator's Name and Mailing Address
1546 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1546 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT INC
U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000697

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
2215-#1
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.
RAILCAR NO. WSGY 94008

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: Nikolai Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: KEVIN JACKSON
Signature: Kevin Jackson
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias
Signature:
Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTE

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
CAC003041898	1	415-823-8772	013159504 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Truck'ng — U.S. EPA ID Number: CAR000171769

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO.: 2110-1
RAILCAR NO.: WSGX A980

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: A. Burton — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

[redacted]

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
CAC003041898	1	415-823-8772	013159505 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking — U.S. EPA ID Number: CAR 000177169

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2002-1
RAILCAR NO.: IVSGX 94008

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 15 Year: 19

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: Morrell Burton — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159506 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: CRM Transport Services Inc — U.S. EPA ID Number: CAD000268545

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO.: 20341
RAILCAR NO.: IYSGX 94008

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: Nikolai Krukowski — Signature: [signature] — Month: 11 Day: 16 Year: 19

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: Ruben Rios — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

[redacted]

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
CAC003041898	1	415-823-8772	013159507 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 6M Transport Services Inc — U.S. EPA ID Number: CAR000268565

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2048 -1
RAILCAR NO.: WSGX94008

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: Nikolas Krukowski — Signature: [signature] — Month: 11 — Day: 15 — Year: 19

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: DEKOTA WARE — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159539 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 6M Transport Services Inc — U.S. EPA ID Number: CAR000228765

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001762910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000807

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	811
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2133-5
RAILCAR NO.: FTEX 533412

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: Nikolas Krukowski — Signature — Month: 11 Day: 18 Year: 19

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: Kevin Ku — Signature — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: S. REYES — Signature — Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

[redacted]

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159540 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking — U.S. EPA ID Number: CAR000171769

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000697

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2065
CONTAINER NO.
RAILCAR NO. ITFY 533412

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: Nikolas Krukowski — Signature: [signature] — Month: 11 — Day: 15 — Year: 19

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: A. Burton — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159541 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: GDN Transport Services Inc — U.S. EPA ID Number: CAR000268365

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000697

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO. 2133-4
RAILCAR NO. TTFX 533412

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: Nikki Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: Kevin Rice — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159542 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCP Trucking — U.S. EPA ID Number: CAR 000171-169

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2065
CONTAINER NO.: 2002-4
RAILCAR NO.: ITFX 533536

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: Marvell Burton — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159543 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001782910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 2041-4
RAILCAR NO. ITFX533536

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: Nikolas Krukowski — Signature — Month 11 Day 18 Year 19

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: DURICEK — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159544 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE Transport — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
2133 CONTAINER NO. 2 # RAILCAR NO. ITFX 533412

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 15 Year: 19

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: LUCKY DOZIER — Signature: [signature] — Month: 11 Day: 16 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159545 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: Davinder Singh — U.S. EPA ID Number: CAR000216697

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	811
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 365-4 RAILCAR NO. TFX 533536

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: Nikolas Krukowski — Signature: [signature] — Month 11 Day 18 Year 19

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: Davinder Singh — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC003041898	1	415-823-8772	013159546 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: HARMON Trucking — U.S. EPA ID Number: CAR000250837

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451

U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	811		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3099 #4
RAILCAR NO. TTFX 533536

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: Nikolas Krukowski — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

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: William Harmon — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 — Day: 18 — Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

[redacted]

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
CAC000304898	1	415-823-8772	013159547 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE — U.S. EPA ID Number: CAL000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2065
CONTAINER NO. 3030 (3)
RAILCAR NO. WSGX 5612

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: Nikolas Krukowski — Signature — Month: 11 Day: 18 Year: 19

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: John BARLEY — Signature — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

[redacted]

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
CAC003041898	1	415-823-8772	013159548 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 18 TKJ — U.S. EPA ID Number: CAR000184788

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3010-3 RAILCAR NO. UYSGX 5612

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: Nikolai Krukowski — Signature: [signature] — Month: 11 Day: 15 Year: 19

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: Karim Mekhlifouer — Signature: [signature] — Month: 11 Day: 18 Year: 19
Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159549 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: C&M TRANSPORT — U.S. EPA ID Number: CAR-000268565

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2048-3
RAILCAR NO.: NSGX 5612

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: Nikolai Krukowski — Signature — Month: 11 Day: 15 Year: 19

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: DEKOTA WARE — Signature — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month: 11 Day: 18 Year: 19

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.

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

Please print or type. Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC003041898
2. Page 1 of 1
3. Emergency Response Phone: 415-823-8772
4. Manifest Tracking Number: 013159550 FLE

GENERATOR

5. Generator's Name and Mailing Address
1546 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1546 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking — U.S. EPA ID Number: CAR000171765

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1546 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 2110-3
RAILCAR NO. WSGX 5612

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: Nik Krukowski — Signature: [signature] — Month 11 Day 15 Year 19

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: A. Burton — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Sparks — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159551 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: GMT Transport Services Inc — U.S. EPA ID Number: CAR000268565

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000887

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 2133-3
RAILCAR NO. ITFX 533571

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: Nicholas Krukowski — Signature: [signature] — Month 11 Day 18 Year 19

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: Kevin Ricks — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: E. REYES — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
	CAC003041898	1	415-823-8772	013159552 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking — U.S. EPA ID Number: CAR000171719

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000587

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2002-3
RAILCAR NO.: ITFX 533571

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: Niklas Krukowski — Signature — Month: 11 Day: 18 Year: 19

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: Marvell Burton — Signature — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: E. REYES — Signature — Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159553 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO.: 2041-3
RAILCAR NO.: ITFX 533571

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: DURKEE — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: J. REYES — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC003041898
2. Page 1 of: 1
3. Emergency Response Phone: 415-823-8772
4. Manifest Tracking Number: 013159554 FLE

GENERATOR

5. Generator's Name and Mailing Address:
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address):
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE Transport CAR — U.S. EPA ID Number: ODO225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED017929910

8. Designated Facility Name and Site Address:
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 2072 1# RAILCAR NO. ITEX 533571

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: Nik Krukowski — Signature — Month 11 Day 18 Year 19

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: Lucky DOZIER — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: S. REGES — Signature — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159555 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT INC
U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001782910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000897

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2065
CONTAINER NO. 2215 #3
RAILCAR NO. WSGX 4907

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: Niklas Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: KEVIN JACKSON
Signature: Kevin Jackson
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: S. REYES
Signature:
Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159556 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: HARMON Trucking — U.S. EPA ID Number: CAR000250837

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3099 #3
TRAILER NO. USGX 4907

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: Nik Krukowski — Signature — Month 11 Day 18 Year 19

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: William Harmon — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: S. REYES — Signature — Month 11 Day 18 Year 19

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.

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

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
CAC003041898	1	415-823-8772	013159557 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1546 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: Davinder Singh
U.S. EPA ID Number: CAR000216697

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 3165-3 RAILCAR NO. WSGX 4907

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: Nikolas Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: Davinder Singh
Signature:
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: S. REYES
Signature:
Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159558 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO. 3030 (2)
RAILCAR NO. ITFX [redacted] 533621

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: Nikolas Krukowski — Signature: [signature] — Month 11 Day 18 Year 19

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: John Barry — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: S. Reis — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159559 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 18 TK9
U.S. EPA ID Number: CAR000184788

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000887

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO.: 3010-2 RAILCAR NO.: ITFX 533621

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: Nicholas Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: Karim Mehaliposan
Signature:
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diogdado Frias
Signature:
Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159560 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 6 M TRANSPORT — U.S. EPA ID Number: CAR. 000268568

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO.: 2048-2
RAILCAR NO.: ITFX 533621

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: Nikolas Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: DEKODA WARE — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159561 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: GM Transport Services Inc — U.S. EPA ID Number: CAR000268678

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2065
CONTAINER NO.: 2133-2
RAILCAR NO.: ITFX 533621

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: Nikolas Krukowski — Signature: [signature] — Month 11 Day 18 Year 19

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: Kevin Rios — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

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
CAC003041898	1	415-823-9772	013159562 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking — U.S. EPA ID Number: CAR 000171769

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO.: 2002-2
RAILCAR NO.: IVSG X 94180

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: Nikko Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: Maxwell Brunton — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC003041898

2. Page 1 of 1

3. Emergency Response Phone: 415-823-8772

4. Manifest Tracking Number: 013159563 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: MCD Trucking
U.S. EPA ID Number: CAR000171769

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2065
CONTAINER NO.: 2110-2
RAILCAR NO.: SVSX 94180

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: Nikolai Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: A. Burton
Signature:
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias
Signature:
Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159564 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-368-9031

Generator's Site Address (if different than mailing address)
1546 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000887

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO. 2041-2
RAILCAR NO. TYSGX 94180

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: Nik Krukowski — Signature — Month 11 Day 18 Year 19

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: DURKEE — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month 11 Day 18 Year 19

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.

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

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
CAC003041898	1	415-823-8772	013159565 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE TRANSPORT INC — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000887

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	511
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
2215 #2 CONTAINER NO. RAILCAR NO. WSGX 94180

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: Nikolas Krukowski — Signature — Month 11 Day 18 Year 19

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: KEVIN JACKSON — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month 11 Day 18 Year 19

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.

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

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
CAC003041898	1	415-822-8772	013159566 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: HARMON Trucking — U.S. EPA ID Number: CAR000215087

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451

U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3099 #2
RQ/CAR NO. 1159X 4886

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: Nikolas Krukowski — Signature — Month 11 Day 18 Year 19

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: William Harmon — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month 11 Day 18 Year 19

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.

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

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
	CAC003041888	1	415-823-8772	013159567 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: Davinder Singh
U.S. EPA ID Number: CAR000216697

7. Transporter 2 Company Name: Union Pacific Lines CO
U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 365-2 RAILCAR NO. IVS9X 4886

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: Nikolas Krukowski
Signature:
Month: 11 Day: 18 Year: 19

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: Davinder Singh
Signature:
Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Prosdato Frias
Signature:
Month: 11 Day: 18 Year: 19

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.

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

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
CAC003041898	1	415-823-8772	013159568 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: LCE — U.S. EPA ID Number: CAR000225409

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3030 (1)
RAILCAR NO. UXSGX 4886

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: Nikky Krukowski — Signature: [signature] — Month: 11 Day: 18 Year: 19

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: John Barry — Signature: [signature] — Month: 11 Day: 18 Year: 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month: 11 Day: 18 Year: 19

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.

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:

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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
CAC003041898	1	415-823-8772	013159569 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: 18 TNG — U.S. EPA ID Number: CAR000184788

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451
U.S. EPA ID Number: UTR000000687

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile #4041-19-2085
CONTAINER NO. 3010-1 RAILCAR NO. WSGX 4886

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: Nikki Krukowski — Signature — Month 11 Day 18 Year 19

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: Marlin Mehaffey — Signature — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature — Month 11 Day 18 Year 19

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.

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

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
CAC003041898	1	415-823-8772	013159570 FLE

GENERATOR

5. Generator's Name and Mailing Address
1548 MAPLE LLC Attn: Nik Krukowski
101 Mission Street, Suite 420
San Francisco, CA 94105
Generator's Phone: 805-358-9031

Generator's Site Address (if different than mailing address)
1548 Maple Street
Redwood City, CA 94063

6. Transporter 1 Company Name: HARMON Trucking — U.S. EPA ID Number: CAR000250837

7. Transporter 2 Company Name: Union Pacific Lines CO — U.S. EPA ID Number: NED001792910

8. Designated Facility Name and Site Address
ECDC Environmental
1111 West Highway 123
East Carbon, UT 84520 USA
Facility's Phone: 800-444-4451

U.S. EPA ID Number: UTR000000887

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. NON-RCRA HAZARDOUS WASTE, SOLID (non-DOT regulated)	001	CM	18	Y	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1548 MAPLE, LLC PROJECT
Soil contaminated with lead, rock, wood and debris
ECDC Profile # 4041-19-2085
CONTAINER NO. 3099 #1
RAILCAR NO. WSGX 4980

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: Nikolas Krukowski — Signature: [signature] — Month 11 Day 18 Year 19

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: William Harmon — Signature: [signature] — Month 11 Day 18 Year 19

Transporter 2 Printed/Typed Name: Diosdado Frias — Signature: [signature] — Month 11 Day 18 Year 19

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.

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

Copies of Class II non-hazardous Waste Manifests and Landfill Weight Tickets

LANGAN

1548 Maple - Class 2 Disposal Recap (thru 08-31-19)

Potrero Hills Landfill Recap

Month	tons	soil type
Jan	279.66	conforming
Jan	409.93	non-conforming
Feb	19.04	conforming
Feb	1,713.23	non-conforming
May	174.99	non-conforming
June	1,696.89	conforming
June	17.95	non-conforming
July	2,307.18	conforming
Aug	1,584.99	conforming
Total	**8,203.86**	

Aug	1,174.51	brick debris (non-Class 2)

Grand Total

TICKET	DATE	CHARGE TO ACCOUNT		Manifest#	YARDS	TONS	UNIT	RATE	Subtotal	Fuel/Enviro	Sales Tax		Salesmen
		THIRD PARTY											
JOB #	PHLF19067	Redwood City			Expires:		1/25/2020 12:00:00 AM	1548 Maple Street					
	MAXIMUM AMOUNT:		4,000.00		CURRENT AMOUNT:								
1002529	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.06	TON	14.00	266.84	0.00	0.00	266.84	
1002533	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	9F51473 #2	-	15.69	TON	14.00	219.66	0.00	0.00	219.66	
1002537	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.32	TON	14.00	256.48	0.00	0.00	256.48	
1002539	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	16.89	TON	14.00	236.46	0.00	0.00	236.46	
1002542	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	15.49	TON	14.00	216.86	0.00	0.00	216.86	
1002550	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.87	TON	14.00	278.18	0.00	0.00	278.18	
1002553	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	16.32	TON	14.00	228.48	0.00	0.00	228.48	
1002567	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	010	-	16.19	TON	14.00	226.66	0.00	0.00	226.66	
1002569	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	17.48	TON	14.00	244.72	0.00	0.00	244.72	
1002574	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	RETARE	-	19.00	TON	14.00	266.00	0.00	0.00	266.00	
1002577	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	013	-	17.03	TON	14.00	238.42	0.00	0.00	238.42	
1002581	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	17.94	TON	14.00	251.16	0.00	0.00	251.16	
1002582	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	17.54	TON	14.00	245.56	0.00	0.00	245.56	
1002597	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	020	-	16.93	TON	14.00	237.02	0.00	0.00	237.02	
1002602	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	024	-	18.15	TON	14.00	254.10	0.00	0.00	254.10	
1002603	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	018	-	17.76	TON	14.00	248.64	0.00	0.00	248.64	
					0.00	279.66			3,915.24	0.00	0.00	3,915.24	

279.66 tons

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F78268-19
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 002
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:25:17
DATE OUT: 01/30/2019 TIME OUT: 09:54:01
Job: PHLF19067

INBOUND TICKET Number: 01-1002529

SCALE 1 GROSS WT.	69560 LB
SCALE 3 TARE WT.	31440 LB
NET WEIGHT	38120 LB

Qty	Description
19.06	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F51473
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 003
Trailer: 9F51473 #2224

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:29:21
DATE OUT: 01/30/2019 TIME OUT: 09:57:48
Job: PHLF19067

INBOUND TICKET Number: 01-1002533

SCALE 1 GROSS WT.	65580 LB
SCALE 3 TARE WT.	34200 LB
NET WEIGHT	31380 LB

Qty	Description
15.69	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 005
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:33:44
DATE OUT: 01/30/2019 TIME OUT: 09:33:44
Job: PHLF19067

INBOUND TICKET Number: 01-1002537

SCALE 1 GROSS WT.	70720 LB
STORED TARE WT.	34080 LB
NET WEIGHT	36640 LB

Qty	Description
18.32	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: V77
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 004
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:35:22
DATE OUT: 01/30/2019 TIME OUT: 10:20:11
Job: PHLF19067

INBOUND TICKET Number: 01-1002539

SCALE 1 GROSS WT.	67440 LB
SCALE 3 TARE WT.	33660 LB
NET WEIGHT	33780 LB

Qty	Description
16.89	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #110
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:40:54
DATE OUT: 01/30/2019 TIME OUT: 09:40:54
Job: PHLF19067

INBOUND TICKET Number: 01-1002542

SCALE 1 GROSS WT.	63140 LB
STORED TARE WT.	32160 LB
NET WEIGHT	30980 LB

Qty	Description
15.49	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #707
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 007
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:48:28
DATE OUT: 01/30/2019 TIME OUT: 10:11:33
Job: PHLF19067

INBOUND TICKET Number: 01-1002550

SCALE 1 GROSS WT.	71800 LB
SCALE 3 TARE WT.	32060 LB
NET WEIGHT	39740 LB

Qty	Description
19.87	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 001
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 09:53:11
DATE OUT: 01/30/2019 TIME OUT: 10:25:28
Job: PHLF19067

INBOUND TICKET Number: 01-1002553

SCALE 1 GROSS WT.	64200 LB
SCALE 3 TARE WT.	31560 LB
NET WEIGHT	32640 LB

Qty	Description
16.32	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 122 BLUE
Trailer: 010

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:06:32
DATE OUT: 01/30/2019 TIME OUT: 10:33:10
Job: PHLF19067

INBOUND TICKET Number: 01-1002567

SCALE 1 GROSS WT.	66180 LB
SCALE 3 TARE WT.	33800 LB
NET WEIGHT	32380 LB

Qty	Description
16.19	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F83339-05
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 011
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:10:57
DATE OUT: 01/30/2019 TIME OUT: 10:38:40
Job: PHLF19067

INBOUND TICKET Number: 01-1002569

SCALE 1 GROSS WT.	67540 LB
SCALE 3 TARE WT.	32580 LB
NET WEIGHT	34960 LB

Qty	Description
17.48	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 014
Trailer: RETARE

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:15:26
DATE OUT: 01/30/2019 TIME OUT: 11:07:47
Job: PHLF19067

INBOUND TICKET Number: 01-1002574

SCALE 1 GROSS WT.	70140 LB
SCALE 3 TARE WT.	32140 LB
NET WEIGHT	38000 LB

Qty	Description
19.00	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E05043
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 10
Trailer: 013

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:17:58
DATE OUT: 01/30/2019 TIME OUT: 11:06:27
Job: PHLF19067

INBOUND TICKET Number: 01-1002577

SCALE 1 GROSS WT.	66320 LB
SCALE 3 TARE WT.	32260 LB
NET WEIGHT	34060 LB

Qty	Description
17.03	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 00786
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 008
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:22:39
DATE OUT: 01/30/2019 TIME OUT: 10:58:30
Job: PHLF19067

INBOUND TICKET Number: 01-1002581

SCALE 1 GROSS WT.	67760 LB
SCALE 3 TARE WT.	31880 LB
NET WEIGHT	35880 LB

Qty	Description
17.94	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E81172-22
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 009
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:24:05
DATE OUT: 01/30/2019 TIME OUT: 11:16:57
Job: PHLF19067

INBOUND TICKET Number: 01-1002582

SCALE 1 GROSS WT.	67560 LB
SCALE 3 TARE WT.	32480 LB
NET WEIGHT	35080 LB

Qty	Description
17.54	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 020

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:42:58
DATE OUT: 01/30/2019 TIME OUT: 10:42:58
Job: PHLF19067

INBOUND TICKET Number: 01-1002597

SCALE 1 GROSS WT.	66380 LB
STORED TARE WT.	32520 LB
NET WEIGHT	33860 LB

Qty	Description
16.93	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 024

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:47:01
DATE OUT: 01/30/2019 TIME OUT: 10:47:01
Job: PHLF19067

INBOUND TICKET Number: 01-1002602

SCALE 1 GROSS WT.	69600 LB
STORED TARE WT.	33300 LB
NET WEIGHT	36300 LB

Qty	Description
18.15	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #340
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 018

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:48:44
DATE OUT: 01/30/2019 TIME OUT: 10:48:44
Job: PHLF19067

INBOUND TICKET Number: 01-1002603

SCALE 1 GROSS WT.	68860 LB
STORED TARE WT.	33340 LB
NET WEIGHT	35520 LB

Qty	Description
17.76	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

JOB # PHLF1906?N Non-conforming load Expires: 1/25/2020 12:00:00 AM 1548 Maple Stret, LLC

MAXIMUM AMOUNT: 500.00 CURRENT AMOUNT:

1002587	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	012	-	16.70	TON	28.00	467.60	0.00	0.00	467.60
1002595	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	019	-	13.12	TON	28.00	367.36	0.00	0.00	367.36
1002606	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	015	-	18.28	TON	28.00	511.84	0.00	0.00	511.84
1002609	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	016	-	17.23	TON	28.00	482.44	0.00	0.00	482.44
1002609	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	919	016	-	-	LOAD	20.00	40.00	0.00	0.00	40.00
1002611	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	025	-	16.25	TON	28.00	455.00	0.00	0.00	455.00
1002624	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	022	-	18.17	TON	28.00	508.76	0.00	0.00	508.76
1002625	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	023	-	14.86	TON	28.00	416.08	0.00	0.00	416.08
1002627	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	AA13F93	-	9.40	TON	28.00	263.20	0.00	0.00	263.20
1002641	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	017	-	16.87	TON	28.00	472.36	0.00	0.00	472.36
1002719	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	027	-	18.02	TON	28.00	504.56	0.00	0.00	504.56
1002727	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	026	-	16.77	TON	28.00	469.56	0.00	0.00	469.56
1002741	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.87	TON	28.00	528.36	0.00	0.00	528.36
1002746	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	028	-	18.50	TON	28.00	518.00	0.00	0.00	518.00
1002750	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	029	-	17.26	TON	28.00	483.28	0.00	0.00	483.28
1002762	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	032	-	17.98	TON	28.00	503.44	0.00	0.00	503.44
1002771	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	21.45	TON	28.00	600.60	0.00	0.00	600.60
1002784	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	034	-	20.53	TON	28.00	574.84	0.00	0.00	574.84
1002789	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	035	-	15.82	TON	28.00	442.96	0.00	0.00	442.96
1002792	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	DECK CON	-	23.83	TON	28.00	667.24	0.00	0.00	667.24
1002792	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	WARNING	DECK CON	-	-	LOAD	0.00	0.00	0.00	0.00	0.00
1002794	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	DECK CON	-	20.81	TON	28.00	582.68	0.00	0.00	582.68
1002794	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	WARNING	DECK CON	-	-	LOAD	0.00	0.00	0.00	0.00	0.00
1002803	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	038	-	18.72	TON	28.00	524.16	0.00	0.00	524.16
1002815	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	039 OVER\	-	24.98	TON	28.00	699.44	0.00	0.00	699.44
1002815	1/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	WARNING	039 OVER\	-	-	LOAD	0.00	0.00	0.00	0.00	0.00
1002825	1/31/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	1313 AA13F	-	15.51	TON	28.00	434.28	0.00	0.00	434.28
1002825	1/31/19 12:00:00 AM	26 AB CONSTRUCTION INC.	WARNING	1313 AA13F	-	-	LOAD	0.00	0.00	0.00	0.00	0.00
					0.00	409.93			11,518.04	0.00	0.00	11,518.04

409.93 tons

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 012

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:29:42
DATE OUT: 01/30/2019 TIME OUT: 11:25:23
Job: PHLF19067N

INBOUND TICKET Number: 01-1002587

SCALE 1 GROSS WT.	65460 LB
SCALE 3 TARE WT.	32060 LB
NET WEIGHT	33400 LB

Qty	Description
16.70	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1213
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 019
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:41:51
DATE OUT: 01/30/2019 TIME OUT: 11:29:48
Job: PHLF19067N
INBOUND TICKET Number: 01-1002595

SCALE 1 GROSS WT.	60460 LB
SCALE 3 TARE WT.	34220 LB
NET WEIGHT	26240 LB

Qty	Description
13.12	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 015

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:51:39
DATE OUT: 01/30/2019 TIME OUT: 12:11:42
Job: PHLF19067N

INBOUND TICKET Number: 01-1002606

SCALE 1 GROSS WT.	69660 LB
SCALE 3 TARE WT.	33100 LB
NET WEIGHT	36560 LB

Qty	Description
18.28	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F82834
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 016
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:53:35
DATE OUT: 01/30/2019 TIME OUT: 12:14:02
Job: PHLF19067N
INBOUND TICKET Number: 01-1002609

SCALE 1 GROSS WT.	72760 LB
SCALE 3 TARE WT.	38300 LB
NET WEIGHT	34460 LB

Qty	Description
17.23	Profile Soil-T ADC
2.00	US-Unsecured Load

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E12417
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 18
Trailer: 025

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 10:55:28
DATE OUT: 01/30/2019 TIME OUT: 12:19:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1002611

SCALE 1 GROSS WT.	64720 LB
SCALE 3 TARE WT.	32220 LB
NET WEIGHT	32500 LB

Qty	Description
16.25	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0713
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 022
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 11:09:53
DATE OUT: 01/30/2019 TIME OUT: 12:24:16
Job: PHLF19067N

INBOUND TICKET Number: 01-1002624

SCALE 1 GROSS WT.	69580 LB
SCALE 3 TARE WT.	33240 LB
NET WEIGHT	36340 LB

Qty	Description
18.17	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1469
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 023

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 11:11:05
DATE OUT: 01/30/2019 TIME OUT: 12:25:39
Job: PHLF19067N

INBOUND TICKET Number: 01-1002625

SCALE 1 GROSS WT.	62640 LB
SCALE 3 TARE WT.	32920 LB
NET WEIGHT	29720 LB

Qty	Description
14.86	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 021
Trailer: AA13F93

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 11:13:01
DATE OUT: 01/30/2019 TIME OUT: 12:26:58
Job: PHLF19067N

INBOUND TICKET Number: 01-1002627

SCALE 1 GROSS WT.	43340 LB
SCALE 3 TARE WT.	24540 LB
NET WEIGHT	18800 LB

Qty	Description
9.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W07
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 017
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 11:28:49
DATE OUT: 01/30/2019 TIME OUT: 12:33:56
Job: PHLF19067N

INBOUND TICKET Number: 01-1002641

SCALE 1 GROSS WT.	67620 LB
SCALE 3 TARE WT.	33880 LB
NET WEIGHT	33740 LB

Qty	Description
16.87	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 027

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 13:34:09
DATE OUT: 01/30/2019 TIME OUT: 13:34:09
Job: PHLF19067N

INBOUND TICKET Number: 01-1002719

SCALE 1 GROSS WT.	70120 LB
STORED TARE WT.	34080 LB
NET WEIGHT	36040 LB

Qty	Description
18.02	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F78268-19
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 026

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 13:42:05
DATE OUT: 01/30/2019 TIME OUT: 14:01:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1002727

SCALE 1 GROSS WT.	64860 LB
SCALE 3 TARE WT.	31320 LB
NET WEIGHT	33540 LB

Qty	Description
16.77	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #707
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 030
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 13:57:47
DATE OUT: 01/30/2019 TIME OUT: 14:11:56
Job: PHLF19067N

INBOUND TICKET Number: 01-1002741

SCALE 1 GROSS WT.	69700 LB
SCALE 3 TARE WT.	31960 LB
NET WEIGHT	37740 LB

Qty	Description
18.87	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F51473
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 028
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 14:04:11
DATE OUT: 01/30/2019 TIME OUT: 14:04:11
Job: PHLF19067N
INBOUND TICKET Number: 01-1002746

SCALE 1 GROSS WT.	69740 LB
STORED TARE WT.	32740 LB
NET WEIGHT	37000 LB

Qty	Description
18.50	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #110
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 029
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 14:08:44
DATE OUT: 01/30/2019 TIME OUT: 14:08:44
Job: PHLF19067N
INBOUND TICKET Number: 01-1002750

SCALE 1 GROSS WT.	66680 LB
STORED TARE WT.	32160 LB
NET WEIGHT	34520 LB

Qty	Description
17.26	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: BLUE
Trailer: 032

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 14:27:56
DATE OUT: 01/30/2019 TIME OUT: 14:42:04
Job: PHLF19067N

INBOUND TICKET Number: 01-1002762

SCALE 1 GROSS WT.	70040 LB
SCALE 3 TARE WT.	34080 LB
NET WEIGHT	35960 LB

Qty	Description
17.98	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 14:38:20
DATE OUT: 01/30/2019 TIME OUT: 15:02:34
Job: PHLF19067N

INBOUND TICKET Number: 01-1002771

SCALE 1 GROSS WT.	74340 LB
SCALE 3 TARE WT.	31440 LB
NET WEIGHT	42900 LB

Qty	Description
21.45	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F83339-05
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 034

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 15:07:18
DATE OUT: 01/30/2019 TIME OUT: 15:28:29
Job: PHLF19067N

INBOUND TICKET Number: 01-1002784

SCALE 1 GROSS WT.	73540 LB
SCALE 3 TARE WT.	32480 LB
NET WEIGHT	41060 LB

Qty	Description
20.53	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 61909V1
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 035

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 15:25:17
DATE OUT: 01/30/2019 TIME OUT: 15:25:17
Job: PHLF19067N

INBOUND TICKET Number: 01-1002789

SCALE 1 GROSS WT.	56280 LB
STORED TARE WT.	24640 LB
NET WEIGHT	31640 LB

Qty	Description
15.82	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 00786
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: NO WALKING ON
Trailer: DECK COMMANDER
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 15:33:15
DATE OUT: 01/30/2019 TIME OUT: 17:05:09
Job: PHLF19067N

INBOUND TICKET Number: 01-1002792

SCALE 1 GROSS WT.	79060 LB
SCALE 3 TARE WT.	31400 LB
NET WEIGHT	47660 LB

Qty	Description
23.83	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E81172-22
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: NO WALKING ON DECK,
Trailer: DECK COMMANDER
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 15:35:08
DATE OUT: 01/30/2019 TIME OUT: 17:04:09
Job: PHLF19067N

INBOUND TICKET Number: 01-1002794

SCALE 1 GROSS WT.	73400 LB
SCALE 3 TARE WT.	31780 LB
NET WEIGHT	41620 LB

Qty	Description
20.81	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 038
Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 16:05:22
DATE OUT: 01/30/2019 TIME OUT: 16:31:52
Job: PHLF19067N
INBOUND TICKET Number: 01-1002803

SCALE 1 GROSS WT.	69360 LB
SCALE 3 TARE WT.	31920 LB
NET WEIGHT	37440 LB

Qty	Description
18.72	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E12417
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 18
Trailer: 039 OVERWEIGHT

Origin: REDWOOD CITY
DATE IN: 01/30/2019 TIME IN: 17:30:52
DATE OUT: 01/30/2019 TIME OUT: 18:03:52
Job: PHLF19067N

INBOUND TICKET Number; 01-1002815

SCALE 1 GROSS WT.	82180 LB
SCALE 3 TARE WT.	32220 LB
NET WEIGHT	49960 LB

Qty	Description
24.98	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 040 TONY RAMIREZ
Trailer: 1313 AA13F93 FINAL
Origin: REDWOOD CITY
DATE IN: 01/31/2019 TIME IN: 04:06:43
DATE OUT: 01/31/2019 TIME OUT: 04:27:49
Job: PHLF19067N

INBOUND TICKET Number: 01-1002825

SCALE 1 GROSS WT.	55520 LB
SCALE 3 TARE WT.	24500 LB
NET WEIGHT	31020 LB

Qty	Description
15.51	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

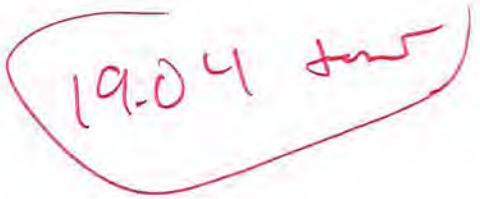
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate,
who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

TICKET	DATE	CHARGE TO ACCOUNT	Manifest#	YARDS	TONS	UNIT	RATE	Subtotal	Fuel/Enviro	Sales Tax	Salesmen
		THIRD PARTY									
JOB #	PHLF19067	Redwood City		Expires:		1/25/2020 12:00:00 AM	1548 Maple Street				
	MAXIMUM AMOUNT:	4,000.00		CURRENT AMOUNT:							
1005556	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	19.04	TON	14.00	266.56	0.00	0.00	266.56
				0.00	19.04			266.56	0.00	0.00	266.56



POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: LC=NC 088
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:11:37
DATE OUT: 02/08/2019 TIME OUT: 09:48:09
Job: PHLF19067

INBOUND TICKET Number: 01-1005556

SCALE 1 GROSS WT.	72460 LB
SCALE 3 TARE WT.	34380 LB
NET WEIGHT	38080 LB

Qty	Description
19.04	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

JOB # PHLF1508(N) Non-conforming load REDWOOD CITY 1/28/2020 12:03:03 AM 1946 MBDB 3181 LL

	MAXIMUM AMOUNT:		3,000.00			CURRENT AMOUNT:						
1005108	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	LC	-	21.72 TON	28.00	608.16	0.00	0.00	608.16
1005117	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	22.42 TON	28.00	627.76	0.00	0.00	627.76
1005123	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	21.28 TON	28.00	595.84	0.00	0.00	595.84
1005132	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.80 TON	28.00	554.40	0.00	0.00	554.40
1005135	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.31 TON	28.00	568.68	0.00	0.00	568.68
1005140	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.59 TON	28.00	587.72	0.00	0.00	587.72
1005146	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.94 TON	28.00	558.32	0.00	0.00	558.32
1005147	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	REF 10050		20.05 TON	28.00	561.68	0.00	0.00	561.68
1005148	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111			20.26 TON	28.00	567.28	0.00	0.00	567.28
1005150	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111			23.19 TON	28.00	649.32	0.00	0.00	649.32
1005159	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	048		20.82 TON	28.00	582.96	0.00	0.00	582.96
1005169	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	9DS0816 1		17.68 TON	28.00	495.04	0.00	0.00	495.04
1005170	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	101		20.12 TON	28.00	563.36	0.00	0.00	563.36
1005171	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111			22.86 TON	28.00	640.08	0.00	0.00	640.08
1005178	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111			20.66 TON	28.00	578.48	0.00	0.00	578.48
1005180	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	9F88233		16.48 TON	28.00	461.44	0.00	0.00	461.44
1005183	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	9F20W18		22.15 TON	28.00	620.20	0.00	0.00	620.20
1005185	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	059	-	21.88 TON	28.00	612.64	0.00	0.00	612.64
1005194	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	7W53481	-	22.40 TON	28.00	627.20	0.00	0.00	627.20
1005197	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	AA13P90	-	16.16 TON	28.00	452.48	0.00	0.00	452.48
1005199	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.54 TON	28.00	547.12	0.00	0.00	547.12
1005200	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	RPW100510	-	24.45 TON	28.00	684.60	0.00	0.00	684.60
1005205	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	RPW100511	-	22.96 TON	28.00	642.88	0.00	0.00	642.88
1005213	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	17.16 TON	28.00	480.48	0.00	0.00	480.48
1005223	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.03 TON	28.00	532.84	0.00	0.00	532.84
1005260	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.64 TON	28.00	577.92	0.00	0.00	577.92
1005323	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	068		20.62 TON	28.00	577.36	0.00	0.00	577.36
1005325	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.43 TON	28.00	572.04	0.00	0.00	572.04
1005331	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	22.48 TON	28.00	629.60	0.00	0.00	629.60
1005334	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	AA13F03	-	15.65 TON	28.00	438.20	0.00	0.00	438.20
1005343	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.28 TON	28.00	567.84	0.00	0.00	567.84
1005346	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	22.17 TON	28.00	620.76	0.00	0.00	620.76
1005345	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	OVERWT V		24.15 TON	28.00	676.20	0.00	0.00	676.20
1005348	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	WARNING	OVERWT V		- LOAD	0.00	0.00	0.00	0.00	0.00
1005349	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.66 TON	28.00	578.48	0.00	0.00	578.48
1005355	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.91 TON	28.00	585.48	0.00	0.00	585.48
1005360	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	074	-	24.03 TON	28.00	672.84	0.00	0.00	672.84
1005361	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	077	-	20.36 TON	28.00	570.08	0.00	0.00	570.08
1005365	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	078	-	23.37 TON	28.00	654.36	0.00	0.00	654.36
1005385	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	078	-	22.77 TON	28.00	637.56	0.00	0.00	637.56
1005385	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.69 TON	28.00	579.32	0.00	0.00	579.32
1005386	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	24.04 TON	28.00	673.12	0.00	0.00	673.12
1005391	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	101	-	24.12 TON	28.00	675.36	0.00	0.00	675.36
1005391	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	OVERWEIG	101		- LOAD	30.00	150.00	0.00	0.00	150.00
1005392	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	21.48 TON	28.00	601.44	0.00	0.00	601.44
1005396	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.09 TON	28.00	534.52	0.00	0.00	534.52
1005402	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	085	-	18.19 TON	28.00	509.32	0.00	0.00	509.32
1005405	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	087	-	17.98 TON	28.00	503.44	0.00	0.00	503.44
1005406	2/7/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	086	-	18.43 TON	28.00	516.04	0.00	0.00	516.04
1005556	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.30 TON	28.00	568.40	0.00	0.00	568.40
1005557	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.96 TON	28.00	558.88	0.00	0.00	558.88
1005564	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	AA13P39	-	16.60 TON	28.00	464.80	0.00	0.00	464.80
1005571	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.94 TON	28.00	527.52	0.00	0.00	527.52
1005573	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	23.97 TON	28.00	671.16	0.00	0.00	671.16
1005585	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	097	-	18.11 TON	28.00	507.08	0.00	0.00	507.08
1005591	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.58 TON	28.00	520.24	0.00	0.00	520.24
1005595	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	NO TARP	-	20.02 TON	28.00	560.56	0.00	0.00	560.56
1005596	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	915	NO TARP	-	- LOAD	20.00	40.00	0.00	0.00	40.00
1005597	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	16.70 TON	28.00	323.60	0.00	0.00	323.60
1005601	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	101	-	20.35 TON	28.00	569.80	0.00	0.00	569.80
1005602	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	20.65 TON	28.00	583.24	0.00	0.00	583.24
1005618	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	090	-	20.99 TON	28.00	587.72	0.00	0.00	587.72
1005618	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	915	090		- LOAD	20.00	40.00	0.00	0.00	40.00
1005638	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.30 TON	28.00	512.40	0.00	0.00	512.40
1005639	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	15.74 TON	28.00	440.72	0.00	0.00	440.72
1005642	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.72 TON	28.00	552.16	0.00	0.00	552.16
1005651	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	106	-	19.85 TON	28.00	555.80	0.00	0.00	555.80
1005658	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	22.70 TON	28.00	635.60	0.00	0.00	635.60
1005660	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.31 TON	28.00	540.68	0.00	0.00	540.68
1005671	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.93 TON	28.00	530.04	0.00	0.00	530.04

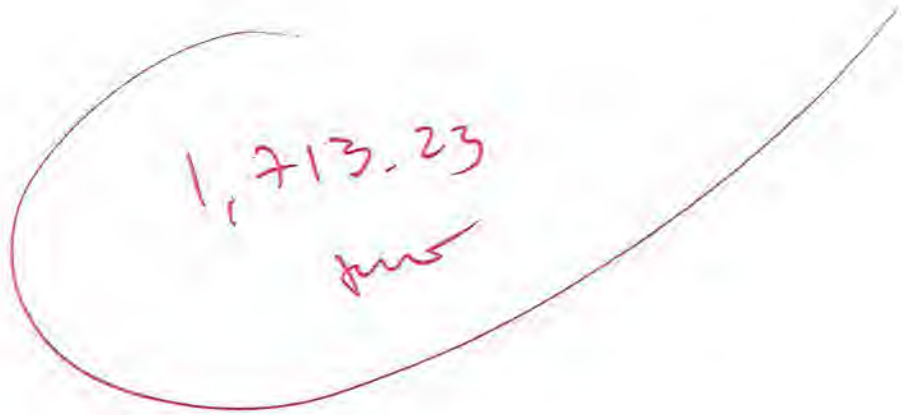
Non-conforming load REDWD CITY

MAXIMUM AMOUNT: 3,000.00

Expires: 1/25/2020 12:00:00 AM 1548 Maple Stret. LLC

CURRENT AMOUNT:

1005672	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.95 TON	28.00	530.60	0.00	0.00	530.60
1005673	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	17.55 TON	28.00	491.40	0.00	0.00	491.40
1005698	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	23.23 TON	28.00	650.44	0.00	0.00	650.44
1005713	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	16.19 TON	28.00	453.32	0.00	0.00	453.32
1005715	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	14.93 TON	28.00	418.04	0.00	0.00	418.04
1005730	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	114	-	19.94 TON	28.00	558.32	0.00	0.00	558.32
1005733	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	115	-	16.36 TON	28.00	458.08	0.00	0.00	458.08
1005744	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	117	-	19.52 TON	28.00	546.56	0.00	0.00	546.56
1005746	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	113	-	14.58 TON	28.00	408.24	0.00	0.00	408.24
1005746	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	919	113	-	- LOAD	20.00	40.00	0.00	0.00	40.00
1005750	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	AA73F93	-	12.54 TON	28.00	351.12	0.00	0.00	351.12
1005753	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	13.18 TON	28.00	369.04	0.00	0.00	369.04
1005770	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	19.73 TON	28.00	552.44	0.00	0.00	552.44
1005805	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	120	-	19.52 TON	28.00	546.56	0.00	0.00	546.56
1005819	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	16.37 TON	28.00	458.36	0.00	0.00	458.36
1005820	2/8/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	18.58 TON	28.00	520.24	0.00	0.00	520.24
1006218	2/11/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	22.43 TON	28.00	628.04	0.00	0.00	628.04
1006999	2/13/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111		-	21.47 TON	28.00	601.16	0.00	0.00	601.16
1007000	2/13/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	125	-	20.24 TON	28.00	566.72	0.00	0.00	566.72
1007134	2/13/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	126	-	19.98 TON	28.00	559.44	0.00	0.00	559.44
1007135	2/13/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	127	-	19.31 TON	28.00	540.68	0.00	0.00	540.68
					0.00	1,713.23		48,240.44	0.00	0.00	48,240.44



POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 045
Trailer: LC

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 09:28:08
DATE OUT: 02/07/2019 TIME OUT: 09:54:46
Job: PHLF19067N

INBOUND TICKET Number: 01-1005108

SCALE 1 GROSS WT.	77060 LB
SCALE 3 TARE WT.	33620 LB
NET WEIGHT	43440 LB

Qty	Description
21.72	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #110
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 049
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 09:39:15
DATE OUT: 02/07/2019 TIME OUT: 10:02:09
Job: PHLF19067N

INBOUND TICKET Number: 01-1005117

SCALE 1 GROSS WT.	75760 LB
SCALE 3 TARE WT.	30920 LB
NET WEIGHT	44840 LB

Qty	Description
22.42	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 09:43:54
DATE OUT: 02/07/2019 TIME OUT: 10:05:08
Job: PHLF19067N

INBOUND TICKET Number: 01-1005123

SCALE 1 GROSS WT.	75860 LB
SCALE 3 TARE WT.	33300 LB
NET WEIGHT	42560 LB

Qty	Description
21.28	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1213
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 055
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 09:56:44
DATE OUT: 02/07/2019 TIME OUT: 10:12:20
Job: PHLF19067N
INBOUND TICKET Number: 01-1005132

SCALE 1 GROSS WT.	73240 LB
SCALE 3 TARE WT.	33640 LB
NET WEIGHT	39600 LB

Qty	Description
19.80	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F78276-1
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: RP# 1005095 9:14A-9:49A
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 09:59:19
DATE OUT: 02/07/2019 TIME OUT: 09:59:19
Job: PHLF19067N

INBOUND TICKET Number: 01-1005135

MANUAL GROSS WT.	72160 LB
MANUAL TARE WT.	31540 LB
NET WEIGHT	40620 LB

Qty	Description
20.31	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 35418
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 053
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:08:00
DATE OUT: 02/07/2019 TIME OUT: 10:25:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1005146

SCALE 1 GROSS WT.	72140 LB
SCALE 3 TARE WT.	32260 LB
NET WEIGHT	39880 LB

Qty	Description
19.94	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 041
Trailer: REP 1005098 IN 9:16

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:10:06
DATE OUT: 02/07/2019 TIME OUT: 10:10:06
Job: PHLF19067N

INBOUND TICKET Number: 01-1005147

MANUAL GROSS WT.	74200 LB
STORED TARE WT.	34080 LB
NET WEIGHT	40120 LB

Qty	Description
20.06	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 056
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:11:54
DATE OUT: 02/07/2019 TIME OUT: 10:11:54
Job: PHLF19067N

INBOUND TICKET Number: 01-1005150

SCALE 1 GROSS WT.	78900 LB
STORED TARE WT.	32520 LB
NET WEIGHT	46380 LB

Qty	Description
23.19	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 048

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:21:37
DATE OUT: 02/07/2019 TIME OUT: 10:52:30
Job: PHLF19067N

INBOUND TICKET Number: 01-1005159

SCALE 1 GROSS WT.	75120 LB
SCALE 3 TARE WT.	33480 LB
NET WEIGHT	41640 LB

Qty	Description
20.82	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 058
Trailer: 9D50816 1123

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:27:46
DATE OUT: 02/07/2019 TIME OUT: 10:55:07
Job: PHLF19067N

INBOUND TICKET Number: 01-1005169

SCALE 1 GROSS WT.	65620 LB
SCALE 3 TARE WT.	30260 LB
NET WEIGHT	35360 LB

Qty	Description
17.68	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 051
Trailer: 101
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:29:47
DATE OUT: 02/07/2019 TIME OUT: 10:49:44
Job: PHLF19067N
INBOUND TICKET Number: 01-1005170

SCALE 1 GROSS WT.	77280 LB
SCALE 3 TARE WT.	37040 LB
NET WEIGHT	40240 LB

Qty	Description
20.12	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 062
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:41:17
DATE OUT: 02/07/2019 TIME OUT: 11:04:49
Job: PHLF19067N

INBOUND TICKET Number: 01-1005178

SCALE 1 GROSS WT.	73380 LB
SCALE 3 TARE WT.	32060 LB
NET WEIGHT	41320 LB

Qty	Description
20.66	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 060
Trailer: 9F89233
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:44:09
DATE OUT: 02/07/2019 TIME OUT: 12:08:12
Job: PHLF19067N
INBOUND TICKET Number: 01-1005180

SCALE 1 GROSS WT.	67680 LB
SCALE 3 TARE WT.	34720 LB
NET WEIGHT	32960 LB

Qty	Description
16.48	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 061
Trailer: 9F28418

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:46:05
DATE OUT: 02/07/2019 TIME OUT: 11:09:35
Job: PHLF19067N

INBOUND TICKET Number: 01-1005183

SCALE 1 GROSS WT.	75120 LB
SCALE 3 TARE WT.	30820 LB
NET WEIGHT	44300 LB

Qty	Description
22.15	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 1188
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 059
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 10:51:25
DATE OUT: 02/07/2019 TIME OUT: 11:16:15
Job: PHLF19067N
INBOUND TICKET Number: 01-1005185

SCALE 1 GROSS WT.	78700 LB
SCALE 3 TARE WT.	34940 LB
NET WEIGHT	43760 LB

Qty	Description
21.88	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 064 B07 BADHAN
Trailer: 7W53481
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:04:05
DATE OUT: 02/07/2019 TIME OUT: 12:10:22
Job: PHLF19067N

INBOUND TICKET Number: 01-1005194

SCALE 1 GROSS WT.	70480 LB
SCALE 3 TARE WT.	25680 LB
NET WEIGHT	44800 LB

Qty	Description
22.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 44 RP# 1005100
Trailer: AA13F93

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:07:01
DATE OUT: 02/07/2019 TIME OUT: 11:07:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1005197

MANUAL GROSS WT.	57520 LB
MANUAL TARE WT.	25200 LB
NET WEIGHT	32320 LB

Qty	Description
16.16	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS35
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 057
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:09:15
DATE OUT: 02/07/2019 TIME OUT: 12:03:36
Job: PHLF19067N

INBOUND TICKET Number: 01-1005199

SCALE 1 GROSS WT.	70380 LB
SCALE 3 TARE WT.	31300 LB
NET WEIGHT	39080 LB

Qty	Description
19.54	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: #429
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 043
Trailer: RP#1005107 ON 9:26 AM
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:10:31
DATE OUT: 02/07/2019 TIME OUT: 11:10:31
Job: PHLF19067N
INBOUND TICKET Number: 01-1005200

MANUAL GROSS WT.	81240 LB
STORED TARE WT.	32340 LB
NET WEIGHT	48900 LB

Qty	Description
24.45	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: #0101
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 046
Trailer: RP#1005111 IN 9:32 AM

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:14:38
DATE OUT: 02/07/2019 TIME OUT: 11:14:38
Job: PHLF19067N

INBOUND TICKET Number: 01-1005205

MANUAL GROSS WT.	77260 LB
STORED TARE WT.	31340 LB
NET WEIGHT	45920 LB

Qty	Description
22.96	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0152
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 066
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:22:19
DATE OUT: 02/07/2019 TIME OUT: 11:40:10
Job: PHLF19067N

INBOUND TICKET Number: 01-1005213

SCALE 1 GROSS WT.	67460 LB
SCALE 3 TARE WT.	33140 LB
NET WEIGHT	34320 LB

Qty	Description
17.16	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS73
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 63
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:31:36
DATE OUT: 02/07/2019 TIME OUT: 12:05:07
Job: PHLF19067N

INBOUND TICKET Number: 01-1005223

SCALE 1 GROSS WT.	71560 LB
SCALE 3 TARE WT.	33500 LB
NET WEIGHT	38060 LB

Qty	Description
19.03	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F75353-13
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 065
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 11:52:17
DATE OUT: 02/07/2019 TIME OUT: 12:12:36
Job: PHLF19067N

INBOUND TICKET Number: 01-1005260

SCALE 1 GROSS WT.	77760 LB
SCALE 3 TARE WT.	36480 LB
NET WEIGHT	41280 LB

Qty	Description
20.64	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F78276-1
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 068

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 13:28:08
DATE OUT: 02/07/2019 TIME OUT: 13:47:26
Job: PHLF19067N

INBOUND TICKET Number: 01-1005323

SCALE 1 GROSS WT.	73860 LB
SCALE 3 TARE WT.	32620 LB
NET WEIGHT	41240 LB

Qty	Description
20.62	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 067
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 13:32:50
DATE OUT: 02/07/2019 TIME OUT: 13:32:50
Job: PHLF19067N

INBOUND TICKET Number: 01-1005325

SCALE 1 GROSS WT.	74940 LB
STORED TARE WT.	34080 LB
NET WEIGHT	40860 LB

Qty	Description
20.43	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #0101
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 71
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 13:45:15
DATE OUT: 02/07/2019 TIME OUT: 13:45:15
Job: PHLF19067N

INBOUND TICKET Number: 01-1005331

SCALE 1 GROSS WT.	76240 LB
STORED TARE WT.	31340 LB
NET WEIGHT	44900 LB

Qty	Description
22.45	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 69
Trailer: AA13F93
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 13:50:43
DATE OUT: 02/07/2019 TIME OUT: 14:14:20
Job: PHLF19067N
INBOUND TICKET Number: 01-1005334

SCALE 1 GROSS WT.	56440 LB
SCALE 3 TARE WT.	25140 LB
NET WEIGHT	31300 LB

Qty	Description
15.65	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #110
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 072
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:01:55
DATE OUT: 02/07/2019 TIME OUT: 15:16:58
Job: PHLF19067N

INBOUND TICKET Number: 01-1005343

SCALE 1 GROSS WT.	72800 LB
SCALE 3 TARE WT.	32240 LB
NET WEIGHT	40560 LB

Qty	Description
20.28	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #429
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 070
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:04:18
DATE OUT: 02/07/2019 TIME OUT: 14:04:18
Job: PHLF19067N

INBOUND TICKET Number: 01-1005346

SCALE 1 GROSS WT.	76680 LB
STORED TARE WT.	32340 LB
NET WEIGHT	44340 LB

Qty	Description
22.17	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1213
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 075
Trailer: OVERWT WARNING
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:06:10
DATE OUT: 02/07/2019 TIME OUT: 14:37:05
Job: PHLF19067N
INBOUND TICKET Number: 01-1005348

SCALE 1 GROSS WT.	82600 LB
SCALE 3 TARE WT.	34300 LB
NET WEIGHT	48300 LB

Qty	Description
24.15	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 073
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:09:24
DATE OUT: 02/07/2019 TIME OUT: 14:31:39
Job: PHLF19067N

INBOUND TICKET Number: 01-1005349

SCALE 1 GROSS WT.	74620 LB
SCALE 3 TARE WT.	33300 LB
NET WEIGHT	41320 LB

Qty	Description
20.66	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F64646
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 076 #313
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:13:32
DATE OUT: 02/07/2019 TIME OUT: 14:33:48
Job: PHLF19067N

INBOUND TICKET Number: 01-1005353

SCALE 1 GROSS WT.	76320 LB
SCALE 3 TARE WT.	34500 LB
NET WEIGHT	41820 LB

Qty	Description
20.91	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 074

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:28:24
DATE OUT: 02/07/2019 TIME OUT: 14:53:32
Job: PHLF19067N

INBOUND TICKET Number: 01-1005360

SCALE 1 GROSS WT.	81420 LB
SCALE 3 TARE WT.	33360 LB
NET WEIGHT	48060 LB

Qty	Description
24.03	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 077
Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:29:51
DATE OUT: 02/07/2019 TIME OUT: 14:29:51
Job: PHLF19067N
INBOUND TICKET Number: 01-1005361

SCALE 1 GROSS WT.	73240 LB
STORED TARE WT.	32520 LB
NET WEIGHT	40720 LB

Qty	Description
20.36	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E12417
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 079

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:34:34
DATE OUT: 02/07/2019 TIME OUT: 15:40:59
Job: PHLF19067N

INBOUND TICKET Number: 01-1005365

SCALE 1 GROSS WT.	79160 LB
SCALE 3 TARE WT.	32420 LB
NET WEIGHT	46740 LB

Qty	Description
23.37	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 35418
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 078

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 14:36:11
DATE OUT: 02/07/2019 TIME OUT: 15:36:56
Job: PHLF19067N

INBOUND TICKET Number: 01-1005366

SCALE 1 GROSS WT.	77480 LB
SCALE 3 TARE WT.	31940 LB
NET WEIGHT	45540 LB

Qty	Description
22.77	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 15:23:21
DATE OUT: 02/07/2019 TIME OUT: 16:28:47
Job: PHLF19067N

INBOUND TICKET Number: 01-1005385

SCALE 1 GROSS WT.	74160 LB
SCALE 3 TARE WT.	32780 LB
NET WEIGHT	41380 LB

Qty	Description
20.69	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 35426
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 082
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 15:28:09
DATE OUT: 02/07/2019 TIME OUT: 15:52:59
Job: PHLF19067N

INBOUND TICKET Number: 01-1005386

SCALE 1 GROSS WT.	78600 LB
SCALE 3 TARE WT.	30520 LB
NET WEIGHT	48080 LB

Qty	Description
24.04	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 080
Trailer: 101

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 15:42:39
DATE OUT: 02/07/2019 TIME OUT: 16:02:37
Job: PHLF19067N

INBOUND TICKET Number: 01-1005391

SCALE 1 GROSS WT.	84880 LB
SCALE 3 TARE WT.	36640 LB
NET WEIGHT	48240 LB

Qty	Description
24.12	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W07
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 083
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 15:48:21
DATE OUT: 02/07/2019 TIME OUT: 16:06:55
Job: PHLF19067N

INBOUND TICKET Number: 01-1005392

SCALE 1 GROSS WT.	76860 LB
SCALE 3 TARE WT.	33900 LB
NET WEIGHT	42960 LB

Qty	Description
21.48	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0152
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 15:57:14
DATE OUT: 02/07/2019 TIME OUT: 16:18:32
Job: PHLF19067N

INBOUND TICKET Number: 01-1005396

SCALE 1 GROSS WT.	72380 LB
SCALE 3 TARE WT.	34200 LB
NET WEIGHT	38180 LB

Qty	Description
19.09	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 1188
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 085

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 16:34:48
DATE OUT: 02/07/2019 TIME OUT: 16:50:35
Job: PHLF19067N

INBOUND TICKET Number: 01-1005402

SCALE 1 GROSS WT.	72640 LB
SCALE 3 TARE WT.	36260 LB
NET WEIGHT	36380 LB

Qty	Description
18.19	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: SS73
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 087

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 16:46:56
DATE OUT: 02/07/2019 TIME OUT: 17:13:52
Job: PHLF19067N

INBOUND TICKET Number: 01-1005405

SCALE 1 GROSS WT.	70840 LB
SCALE 3 TARE WT.	34880 LB
NET WEIGHT	35960 LB

Qty	Description
17.98	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: SS35
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 086

Origin: REDWOOD CITY
DATE IN: 02/07/2019 TIME IN: 16:51:02
DATE OUT: 02/07/2019 TIME OUT: 17:15:17
Job: PHLF19067N

INBOUND TICKET Number: 01-1005406

MANUAL GROSS WT.	69760 LB
SCALE 3 TARE WT.	32900 LB
NET WEIGHT	36860 LB

Qty	Description
18.43	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 090
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:14:37
DATE OUT: 02/08/2019 TIME OUT: 09:14:37
Job: PHLF19067N
INBOUND TICKET Number: 01-1005558

SCALE 1 GROSS WT.	74680 LB
STORED TARE WT.	34080 LB
NET WEIGHT	40600 LB

Qty	Description
20.30	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #110
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 089
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:17:41
DATE OUT: 02/08/2019 TIME OUT: 09:17:41
Job: PHLF19067N

INBOUND TICKET Number: 01-1005561

SCALE 1 GROSS WT.	72080 LB
STORED TARE WT.	32160 LB
NET WEIGHT	39920 LB

Qty	Description
19.96	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 091
Trailer: AA13F93
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:23:25
DATE OUT: 02/08/2019 TIME OUT: 09:46:48
Job: PHLF19067N
INBOUND TICKET Number: 01-1005564

SCALE 1 GROSS WT.	59960 LB
SCALE 3 TARE WT.	26760 LB
NET WEIGHT	33200 LB

Qty	Description
16.60	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F82834
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 092
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:31:44
DATE OUT: 02/08/2019 TIME OUT: 10:07:47
Job: PHLF19067N
INBOUND TICKET Number: 01-1005571

SCALE 1 GROSS WT.	74880 LB
SCALE 3 TARE WT.	37200 LB
NET WEIGHT	37680 LB

Qty	Description
18.84	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 093
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:34:04
DATE OUT: 02/08/2019 TIME OUT: 09:34:04
Job: PHLF19067N
INBOUND TICKET Number: 01-1005573

SCALE 1 GROSS WT.	80080 LB
STORED TARE WT.	32140 LB
NET WEIGHT	47940 LB

Qty	Description
23.97	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 097

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 09:58:04
DATE OUT: 02/08/2019 TIME OUT: 10:58:50
Job: PHLF19067N

INBOUND TICKET Number: 01-1005586

SCALE 1 GROSS WT.	71320 LB
SCALE 3 TARE WT.	35100 LB
NET WEIGHT	36220 LB

Qty	Description
18.11	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F64646
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 098
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:06:22
DATE OUT: 02/08/2019 TIME OUT: 10:36:06
Job: PHLF19067N

INBOUND TICKET Number: 01-1005591

SCALE 1 GROSS WT.	73460 LB
SCALE 3 TARE WT.	36300 LB
NET WEIGHT	37160 LB

Qty	Description
18.58	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 048
Trailer: NO TARP
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:11:25
DATE OUT: 02/08/2019 TIME OUT: 10:51:29
Job: PHLF19067N
INBOUND TICKET Number: 01-1005596

SCALE 1 GROSS WT.	72460 LB
SCALE 3 TARE WT.	32420 LB
NET WEIGHT	40040 LB

Qty	Description
20.02	Profile Soil-T ADC
2.00	US-Unsecured Load

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:13:17
DATE OUT: 02/08/2019 TIME OUT: 11:47:50
Job: PHLF19067N

INBOUND TICKET Number: 01-1005597

SCALE 1 GROSS WT.	71360 LB
SCALE 3 TARE WT.	33960 LB
NET WEIGHT	37400 LB

Qty	Description
18.70	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 094
Trailer: 101
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:17:09
DATE OUT: 02/08/2019 TIME OUT: 10:42:01
Job: PHLF19067N
INBOUND TICKET Number: 01-1005601

SCALE 1 GROSS WT.	78300 LB
SCALE 3 TARE WT.	37600 LB
NET WEIGHT	40700 LB

Qty	Description
20.35	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F56736
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 100
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:18:28
DATE OUT: 02/08/2019 TIME OUT: 10:33:03
Job: PHLF19067N

INBOUND TICKET Number: 01-1005602

SCALE 1 GROSS WT.	75520 LB
SCALE 3 TARE WT.	33860 LB
NET WEIGHT	41660 LB

Qty	Description
20.83	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E72681-02
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 099

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:38:00
DATE OUT: 02/08/2019 TIME OUT: 10:53:55
Job: PHLF19067N

INBOUND TICKET Number: 01-1005618

SCALE 1 GROSS WT.	76580 LB
SCALE 3 TARE WT.	34600 LB
NET WEIGHT	41980 LB

Qty	Description
20.99	Profile Soil-T ADC
2.00	US-Unsecured Load

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1213
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 106
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 10:59:26
DATE OUT: 02/08/2019 TIME OUT: 11:26:42
Job: PHLF19067N

INBOUND TICKET Number: 01-1005638

SCALE 1 GROSS WT.	71360 LB
SCALE 3 TARE WT.	34760 LB
NET WEIGHT	36600 LB

Qty	Description
18.30	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 61855K2
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 107
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:01:03
DATE OUT: 02/08/2019 TIME OUT: 11:01:03
Job: PHLF19067N

INBOUND TICKET Number: 01-1005639

SCALE 1 GROSS WT.	57140 LB
STORED TARE WT.	25660 LB
NET WEIGHT	31480 LB

Qty	Description
15.74	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS35
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 105
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:04:05
DATE OUT: 02/08/2019 TIME OUT: 11:04:05
Job: PHLF19067N

INBOUND TICKET Number: 01-1005642

SCALE 1 GROSS WT.	72340 LB
STORED TARE WT.	32900 LB
NET WEIGHT	39440 LB

Qty	Description
19.72	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E05043
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 10
Trailer: 109
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:11:50
DATE OUT: 02/08/2019 TIME OUT: 11:36:34
Job: PHLF19067N

INBOUND TICKET Number: 01-1005651

SCALE 1 GROSS WT.	72400 LB
SCALE 3 TARE WT.	32700 LB
NET WEIGHT	39700 LB

Qty	Description
19.85	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 108
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:21:10
DATE OUT: 02/08/2019 TIME OUT: 11:21:10
Job: PHLF19067N

INBOUND TICKET Number: 01-1005658

SCALE 1 GROSS WT.	77920 LB
STORED TARE WT.	32520 LB
NET WEIGHT	45400 LB

Qty	Description
22.70	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0713
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 104
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:22:23
DATE OUT: 02/08/2019 TIME OUT: 12:18:02
Job: PHLF19067N

INBOUND TICKET Number: 01-1005660

SCALE 1 GROSS WT.	71080 LB
SCALE 3 TARE WT.	32460 LB
NET WEIGHT	38620 LB

Qty	Description
19.31	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 31
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 102
Trailer:
Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:39:23
DATE OUT: 02/08/2019 TIME OUT: 12:11:48
Job: PHLF19067N

INBOUND TICKET Number: 01-1005671

SCALE 1 GROSS WT.	70300 LB
SCALE 3 TARE WT.	32440 LB
NET WEIGHT	37860 LB

Qty	Description
18.93	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #614
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 101
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:40:36
DATE OUT: 02/08/2019 TIME OUT: 12:05:36
Job: PHLF19067N

INBOUND TICKET Number: 01-1005672

SCALE 1 GROSS WT.	71260 LB
SCALE 3 TARE WT.	33360 LB
NET WEIGHT	37900 LB

Qty	Description
18.95	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: S-10
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 103
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 11:41:59
DATE OUT: 02/08/2019 TIME OUT: 12:07:38
Job: PHLF19067N

INBOUND TICKET Number: 01-1005673

SCALE 1 GROSS WT.	69500 LB
SCALE 3 TARE WT.	34400 LB
NET WEIGHT	35100 LB

Qty	Description
17.55	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #051
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 12:16:28
DATE OUT: 02/08/2019 TIME OUT: 12:37:36
Job: PHLF19067N

INBOUND TICKET Number: 01-1005698

SCALE 1 GROSS WT.	79180 LB
SCALE 3 TARE WT.	32720 LB
NET WEIGHT	46460 LB

Qty	Description
23.23	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS73
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 111
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 12:36:19
DATE OUT: 02/08/2019 TIME OUT: 13:03:51
Job: PHLF19067N

INBOUND TICKET Number: 01-1005713

SCALE 1 GROSS WT.	65580 LB
SCALE 3 TARE WT.	33200 LB
NET WEIGHT	32380 LB

Qty	Description
16.19	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W07
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 112
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 12:38:50
DATE OUT: 02/08/2019 TIME OUT: 13:06:12
Job: PHLF19067N

INBOUND TICKET Number: 01-1005715

SCALE 1 GROSS WT.	64120 LB
SCALE 3 TARE WT.	34260 LB
NET WEIGHT	29860 LB

Qty	Description
14.93	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 114

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:06:37
DATE OUT: 02/08/2019 TIME OUT: 13:33:36
Job: PHLF19067N

INBOUND TICKET Number: 01-1005730

SCALE 1 GROSS WT.	72460 LB
SCALE 3 TARE WT.	32580 LB
NET WEIGHT	39880 LB

Qty	Description
19.94	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F75353-13
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 115

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:10:55
DATE OUT: 02/08/2019 TIME OUT: 13:38:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1005733

SCALE 1 GROSS WT.	68560 LB
SCALE 3 TARE WT.	35840 LB
NET WEIGHT	32720 LB

Qty	Description
16.36	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #27
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 117

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:23:04
DATE OUT: 02/08/2019 TIME OUT: 13:23:04
Job: PHLF19067N

INBOUND TICKET Number: 01-1005744

SCALE 1 GROSS WT.	73120 LB
STORED TARE WT.	34080 LB
NET WEIGHT	39040 LB

Qty	Description
19.52	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 1188
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 113

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:24:15
DATE OUT: 02/08/2019 TIME OUT: 13:53:07
Job: PHLF19067N

INBOUND TICKET Number: 01-1005746

SCALE 1 GROSS WT.	65220 LB
SCALE 3 TARE WT.	36060 LB
NET WEIGHT	29160 LB

Qty	Description
14.58	Profile Soil-T ADC
2.00	US-Unsecured Load

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 118
Trailer: AA73F93

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:31:15
DATE OUT: 02/08/2019 TIME OUT: 14:06:47
Job: PHLF19067N

INBOUND TICKET Number: 01-1005750

SCALE 1 GROSS WT.	51520 LB
SCALE 3 TARE WT.	26440 LB
NET WEIGHT	25080 LB

Qty	Description
12.54	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 16155G2
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 13:35:07
DATE OUT: 02/08/2019 TIME OUT: 13:35:07
Job: PHLF19067N

INBOUND TICKET Number: 01-1005753

SCALE 1 GROSS WT.	50900 LB
STORED TARE WT.	24540 LB
NET WEIGHT	26360 LB

Qty	Description
13.18	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 14:04:36
DATE OUT: 02/08/2019 TIME OUT: 14:48:00
Job: PHLF19067N

INBOUND TICKET Number: 01-1005770

SCALE 1 GROSS WT.	72800 LB
SCALE 3 TARE WT.	33340 LB
NET WEIGHT	39460 LB

Qty	Description
19.73	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 120

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 15:10:58
DATE OUT: 02/08/2019 TIME OUT: 15:30:45
Job: PHLF19067N

INBOUND TICKET Number: 01-1005805

SCALE 1 GROSS WT.	76020 LB
SCALE 3 TARE WT.	36980 LB
NET WEIGHT	39040 LB

Qty	Description
19.52	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #1213
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 121
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 16:30:44
DATE OUT: 02/08/2019 TIME OUT: 17:02:28
Job: PHLF19067N

INBOUND TICKET Number: 01-1005819

SCALE 1 GROSS WT.	67480 LB
SCALE 3 TARE WT.	34740 LB
NET WEIGHT	32740 LB

Qty	Description
16.37	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS35
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 122
Trailer:

Origin: REDWOOD CITY
DATE IN: 02/08/2019 TIME IN: 17:20:00
DATE OUT: 02/08/2019 TIME OUT: 17:20:00
Job: PHLF19067N

INBOUND TICKET Number: 01-1005820

SCALE 1 GROSS WT.	70060 LB
STORED TARE WT.	32900 LB
NET WEIGHT	37160 LB

Qty	Description
18.58	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

GrandTotal

TICKET	DATE	CHARGE TO ACCOUNT	Manifest#	YARDS	TONS	UNIT	RATE	Subtotal	Fuel/Enviro	Sales Tax	
		THIRD PARTY									
JOB #	PHLF19067	Redwood City		Expires:		1/25/2020 12:00:00 AM	1548 Maple Street				
	MAXIMUM AMOUNT:	4,000.00		CURRENT AMOUNT:							
1041121	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	20.87	TON	14.00	292.18	0.00	0.00	292.18
1041123	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	19.92	TON	14.00	278.88	0.00	0.00	278.88
1041132	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	21.98	TON	14.00	307.72	0.00	0.00	307.72
1041203	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	22.90	TON	14.00	320.60	0.00	0.00	320.60
1041319	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	21.49	TON	14.00	300.86	0.00	0.00	300.86
1041321	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	24.15	TON	14.00	338.10	0.00	0.00	338.10
1041330	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111	-	19.22	TON	14.00	269.08	0.00	0.00	269.08
1041393	5/30/19 12:00:00 AM	26 AB CONSTRUCTION INC.	111 135	-	24.46	TON	14.00	342.44	0.00	0.00	342.44
				0.00	174.99			2.449.86	0.00	0.00	2.449.86

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 09:01:03
DATE OUT: 05/30/2019 TIME OUT: 09:01:03
Job: PHLF19067

INBOUND TICKET Number: 01-1041121

SCALE 1 GROSS WT.	73880 LB
STORED TARE WT.	32140 LB
NET WEIGHT	41740 LB

Qty	Description
20.87	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: WP73515
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 129
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 09:06:22
DATE OUT: 05/30/2019 TIME OUT: 09:30:15
Job: PHLF19067

INBOUND TICKET Number: 01-1041123

SCALE 1 GROSS WT.	69960 LB
SCALE 3 TARE WT.	30120 LB
NET WEIGHT	39840 LB

Qty	Description
19.92	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E72516
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 130
Trailer:
Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 09:19:20
DATE OUT: 05/30/2019 TIME OUT: 09:45:06
Job: PHLF19067

INBOUND TICKET Number: 01-1041132

SCALE 1 GROSS WT.	75400 LB
SCALE 3 TARE WT.	31440 LB
NET WEIGHT	43960 LB

Qty	Description
21.98	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE;

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0857
Reference: PHLF17926
Haul Cust #: ILLINOIS ST. SAN
DriverOn?: N
Route:
Trailer:
Origin: SAN FRANCISCO
DATE IN: 05/30/2019 TIME IN: 09:33:08
DATE OUT: 05/30/2019 TIME OUT: 09:59:54
Job: PHLF17926

INBOUND TICKET Number: 01-1041141

SCALE 1 GROSS WT.	74240 LB
SCALE 3 TARE WT.	34580 LB
NET WEIGHT	39660 LB

Qty	Description
19.83	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 131
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 11:05:07
DATE OUT: 05/30/2019 TIME OUT: 11:41:22
Job: PHLF19067

INBOUND TICKET Number: 01-1041203

SCALE 1 GROSS WT.	77200 LB
SCALE 3 TARE WT.	31400 LB
NET WEIGHT	45800 LB

Qty	Description
22.90	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: WP73515
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 13:59:32
DATE OUT: 05/30/2019 TIME OUT: 14:29:04
Job: PHLF19067

INBOUND TICKET Number: 01-1041319

SCALE 1 GROSS WT.	73100 LB
SCALE 3 TARE WT.	30120 LB
NET WEIGHT	42980 LB

Qty	Description
21.49	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 128
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 14:00:51
DATE OUT: 05/30/2019 TIME OUT: 14:00:51
Job: PHLF19067

INBOUND TICKET Number: 01-1041321

SCALE 1 GROSS WT.	80440 LB
STORED TARE WT.	32140 LB
NET WEIGHT	48300 LB

Qty	Description
24.15	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0857
Reference: PHLF17926
Haul Cust #: ILLINOIS ST. SAN
DriverOn?: N
Route:
Trailer:

Origin: SAN FRANCISCO
DATE IN: 05/30/2019 TIME IN: 14:20:30
DATE OUT: 05/30/2019 TIME OUT: 14:55:33
Job: PHLF17926

INBOUND TICKET Number: 01-1041328

SCALE 1 GROSS WT.	69000 LB
SCALE 3 TARE WT.	34420 LB
NET WEIGHT	34580 LB

Qty	Description
17.29	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E72516
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 134 01 BLUE
Trailer:

Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 14:23:23
DATE OUT: 05/30/2019 TIME OUT: 14:58:13
Job: PHLF19067

INBOUND TICKET Number: 01-1041330

SCALE 1 GROSS WT.	69680 LB
SCALE 3 TARE WT.	31240 LB
NET WEIGHT	38440 LB

Qty	Description
19.22	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 135
Origin: REDWOOD CITY
DATE IN: 05/30/2019 TIME IN: 17:24:44
DATE OUT: 05/30/2019 TIME OUT: 17:42:57
Job: PHLF19067

INBOUND TICKET Number: 01-1041393

SCALE 1 GROSS WT.	79840 LB
SCALE 3 TARE WT.	30920 LB
NET WEIGHT	48920 LB

Qty	Description
24.46	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP26469
Reference: PHLF17926
Haul Cust #: ILLINOIS ST. SAN
DriverOn?: N
Route:
Trailer:

Origin: SAN FRANCISCO
DATE IN: 05/31/2019 TIME IN: 09:26:09
DATE OUT: 05/31/2019 TIME OUT: 09:47:32
Job: PHLF17926

INBOUND TICKET Number: 01-1041575

SCALE 1 GROSS WT.	73800 LB
SCALE 3 TARE WT.	35740 LB
NET WEIGHT	38060 LB

Qty	Description
19.03	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0857
Reference: PHLF17926
Haul Cust #: ILLINOIS ST. SAN
Driver On?: N
Route:
Trailer:

Origin: SAN FRANCISCO
DATE IN: 05/31/2019 TIME IN: 09:33:42
DATE OUT: 05/31/2019 TIME OUT: 09:50:37
Job: PHLF17926

INBOUND TICKET Number: 01-1041579

SCALE 1 GROSS WT.	70320 LB
SCALE 3 TARE WT.	34800 LB
NET WEIGHT	35520 LB

Qty	Description
17.76	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP26469
Reference: PHLF17926
Haul Cust #: ILLINOIS ST. SAN
DriverOn?: N
Route:
Trailer:

Origin: SAN FRANCISCO
DATE IN: 05/31/2019 TIME IN: 12:28:26
DATE OUT: 05/31/2019 TIME OUT: 12:45:25
Job: PHLF17926

INBOUND TICKET Number: 01-1041755

SCALE 1 GROSS WT.	73440 LB
SCALE 3 TARE WT.	33460 LB
NET WEIGHT	39980 LB

Qty	Description
19.99	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0857
Reference: PHLF17926
Haul Cust #: ILLINOIS ST, SAN
DriverOn?: N
Route:
Trailer:

Origin: SAN FRANCISCO
DATE IN: 05/31/2019 TIME IN: 13:11:13
DATE OUT: 05/31/2019 TIME OUT: 13:40:12
Job: PHLF17926

INBOUND TICKET Number: 01-1041779

SCALE 1 GROSS WT.	67720 LB
SCALE 3 TARE WT.	34640 LB
NET WEIGHT	33080 LB

Qty	Description
16.54	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
1/31/2019	13303

Bill To
A&B Construction 1330 4th St Berkeley, CA 94710

RECEIVED MAY 0 6 2019

Terms	Due Date
Net 30	3/2/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Haul and Dis...	16.93	1/30/2019	Maple St to Potrero - Job #18247	16613	30.00	507.90
Haul and Dis...	16.25	1/30/2019	Maple St to Potrero - Job #18247	28820	30.00	487.50
Haul and Dis...	24.98	1/30/2019	Maple St to Potrero - Job #18247	28820	30.00	749.40
Haul and Dis...	19.06	1/30/2019	Maple St to Potrero - Job #18247	13068	30.00	571.80
Haul and Dis...	16.77	1/30/2019	Maple St to Potrero - Job #18247	13068	30.00	503.10
Haul and Dis...	15.69	1/30/2019	Maple St to Potrero - Job #18247	12662	30.00	470.70
Haul and Dis...	18.5	1/30/2019	Maple St to Potrero - Job #18247	12662	30.00	555.00
Haul and Dis...	17.54	1/30/2019	Maple St to Potrero - Job #18247	12948	30.00	526.20
Haul and Dis...	20.81	1/30/2019	Maple St to Potrero - Job #18247	12948	30.00	624.30
Haul and Dis...	9.4	1/30/2019	Maple St to Potrero - Job #18247	13327	30.00	282.00
Haul and Dis...	15.51	1/30/2019	Maple St to Potrero - Job #18247	13327	30.00	465.30
Haul and Dis...	13.12	1/30/2019	Maple St to Potrero - Job #18247	16606	30.00	393.60
Haul and Dis...	17.76	1/30/2019	Maple St to Potrero - Job #18247	21961	30.00	532.80
Haul and Dis...	18.28	1/30/2019	Maple St to Potrero - Job #18247	29763	30.00	548.40
Haul and Dis...	14.86	1/30/2019	Maple St to Potrero - Job #18247	30005	30.00	445.80
Haul and Dis...	18.17	1/30/2019	Maple St to Potrero - Job #18247	16299	30.00	545.10
Haul and Dis...	16.89	1/30/2019	Maple St to Potrero - Job #18247	65947	30.00	506.70
Haul and Dis...	18.15	1/30/2019	Maple St to Potrero - Job #18247	30297	30.00	544.50
Haul and Dis...	16.87	1/30/2019	Maple St to Potrero - Job #18247	26268	30.00	506.10
Haul and Dis...	19	1/30/2019	Maple St to Potrero - Job #18247	16223	30.00	570.00
Haul and Dis...	15.49	1/30/2019	Maple St to Potrero - Job #18247	15508	30.00	464.70
Haul and Dis...	17.26	1/30/2019	Maple St to Potrero - Job #18247	15508	30.00	517.80
Haul and Dis...	19.87	1/30/2019	Maple St to Potrero - Job #18247	23034	30.00	596.10
Haul and Dis...	18.87	1/30/2019	Maple St to Potrero - Job #18247	23034	30.00	566.10
Haul and Dis...	17.94	1/30/2019	Maple St to Potrero - Job #18247	12624	30.00	538.20
Haul and Dis...	23.83	1/30/2019	Maple St to Potrero - Job #18247	12624	30.00	714.90
Haul and Dis...	18.32	1/30/2019	Maple St to Potrero - Job #18247	23781	30.00	549.60
Haul and Dis...	18.02	1/30/2019	Maple St to Potrero - Job #18247	23781	30.00	540.60
Haul and Dis...	16.19	1/30/2019	Maple St to Potrero - Job #18247	203970	30.00	485.70
Haul and Dis...	17.98	1/30/2019	Maple St to Potrero - Job #18247	203970	30.00	539.40

	Subtotal
	Sales Tax (8.0%)
	Total

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

17,101.90

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
1/31/2019	13303

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

Terms	Due Date
Net 30	3/2/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Haul and Dis...	16.32	1/30/2019	Maple St to Potrero - Job #18247	204574	30.00	489.60
Haul and Dis...	21.45	1/30/2019	Maple St to Potrero - Job #18247	204574	30.00	643.50
Haul and Dis...	17.23	1/30/2019	Maple St to Potrero - Job #18247	16276	30.00	516.90
Haul and Dis...	16.7	1/30/2019	Maple St to Potrero - Job #18247	205162	30.00	501.00
Haul and Dis...	18.72	1/30/2019	Maple St to Potrero - Job #18247	205162	30.00	561.60
Haul and Dis...	18	1/30/2019	Maple St to Potrero - Job #18247	8204	30.00	540.00

636.73 tons =

2.18 tons Variance to PHLF tickets =

634.55 tons

Subtotal	$19,101.90
Sales Tax (8.0%)	$0.00
Total	$19,101.90

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
2/26/2019	13319

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

MAR 0 4 2019

Terms	Due Date
Net 30	3/28/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	17.03	1/30/2019	Maple St to Potrero - Job #18247	26451	30.00	510.90
Trucking	38.01	1/30/2019	Maple St to Potrero - Job #18247	1007	30.00	1,140.30

55.04 tons (matches PHLF total)

Subtotal	$1,651.20
Sales Tax (8.0%)	$0.00
Total	$1,651.20

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
2/28/2019	13390

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

25

Terms	Due Date
Net 30	3/30/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	17.68	2/7/2019	Maple St to Potrero - Job #18247	250558	30.00	530.40
Trucking	37.01	2/7/2019	Maple St to Potrero - Job #18247	208394	30.00	1,110.30
Trucking	41.35	2/7/2019	Maple St to Potrero - Job #18247	204575	30.00	1,240.50
Trucking	20.82	2/7/2019	Maple St to Potrero - Job #18247	203971	30.00	624.60
Trucking	37.97	2/7/2019	Maple St to Potrero - Job #18247	208503	30.00	1,139.10
Trucking	46.62	2/7/2019	Maple St to Potrero - Job #18247	13112	30.00	1,398.60
Trucking	31.81	2/7/2019	Maple St to Potrero - Job #18247	13328	30.00	954.30
Trucking	40.93	2/7/2019	Maple St to Potrero - Job #18247	12840	30.00	1,227.90
Trucking	45.41	2/7/2019	Maple St to Potrero - Job #18247	13015	30.00	1,362.30
Trucking	36.25	2/7/2019	Maple St to Potrero - Job #18247	7891	30.00	1,087.50
Trucking	44.34	2/7/2019	Maple St to Potrero - Job #18247	26269	30.00	1,330.20
Trucking	41.9	2/7/2019	Maple St to Potrero - Job #18247	27082	30.00	1,257.00
Trucking	43.55	2/7/2019	Maple St to Potrero - Job #18247	26457	30.00	1,306.50
Trucking	45.31	2/7/2019	Maple St to Potrero - Job #18247	29772	30.00	1,359.30
Trucking	43.95	2/7/2019	Maple St to Potrero - Job #18247	16590	30.00	1,318.50
Trucking	43.63	2/7/2019	Maple St to Potrero - Job #18247	28823	30.00	1,308.90
Trucking	42.71	2/7/2019	Maple St to Potrero - Job #18247	25690	30.00	1,281.30
Trucking	20.64	2/7/2019	Maple St to Potrero - Job #18247	29837	30.00	619.20
Trucking	22.4	2/7/2019	Maple St to Potrero - Job #18247	2108	30.00	672.00
Trucking	40.07	2/7/2019	Maple St to Potrero - Job #18247	20600	30.00	1,202.10
Trucking	42.7	2/7/2019	Maple St to Potrero - Job #18247	15510	30.00	1,281.00
Trucking	40.49	2/7/2019	Maple St to Potrero - Job #18247	20500	30.00	1,214.70
Trucking	44.24	2/7/2019	Maple St to Potrero - Job #18247	15627	30.00	1,327.20
Trucking	42.38	2/7/2019	Maple St to Potrero - Job #18247	24207	30.00	1,271.40
Trucking	46.19	2/7/2019	Maple St to Potrero - Job #18247	12445	30.00	1,385.70

960.35 tons
C .10 PHLF (total)
ton over
PHLF =
960.25
tons

Subtotal	$28,810.50
Sales Tax (8.0%)	$0.00
Total	$28,810.50

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
3/28/2019	13401

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

Terms	Due Date
Net 30	4/27/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	16.48	2/7/2019	Maple St to Potrero - Job #18247	9128	30.00	494.40

16.48 hrs (minutes PHLF total)

Subtotal	$494.40
Sales Tax (8.0%)	$0.00
Total	$494.40

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
2/28/2019	13391

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

Terms	Due Date
Net 30	3/30/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	19.94	2/8/2019	Maple St to Potrero - Job #18247	205163	30.00	598.20
Trucking	38.3	2/8/2019	Maple St to Potrero - Job #18247	208504	30.00	1,149.00
Trucking	16.19	2/8/2019	Maple St to Potrero - Job #18247	208395	30.00	485.70
Trucking	41.13	2/8/2019	Maple St to Potrero - Job #18247	208351	30.00	1,233.90
Trucking	20.02	2/8/2019	Maple St to Potrero - Job #18247	203972	30.00	600.60
Trucking	29.14	2/8/2019	Maple St to Potrero - Job #18247	13329	30.00	874.20
Trucking	13.18	2/8/2019	Maple St to Potrero - Job #18247	13263	30.00	395.40
Trucking	14.93	2/8/2019	Maple St to Potrero - Job #18247	26270	30.00	447.90
Trucking	18.11	2/8/2019	Maple St to Potrero - Job #18247	29773	30.00	543.30
Trucking	16.36	2/8/2019	Maple St to Potrero - Job #18247	29838	30.00	490.80
Trucking	18.84	2/8/2019	Maple St to Potrero - Job #18247	16283	30.00	565.20
Trucking	23.97	2/8/2019	Maple St to Potrero - Job #18247	16231	30.00	719.10
Trucking	18.58	2/8/2019	Maple St to Potrero - Job #18247	27083	30.00	557.40
Trucking	15.74	2/8/2019	Maple St to Potrero - Job #18247	8184	30.00	472.20
Trucking	19.31	2/8/2019	Maple St to Potrero - Job #18247	16298	30.00	579.30
Trucking	22.7	2/8/2019	Maple St to Potrero - Job #18247	26458	30.00	681.00
Trucking	20.99	2/8/2019	Maple St to Potrero - Job #18247	26085	30.00	629.70
Trucking	18.93	2/8/2019	Maple St to Potrero - Job #18247	30278	30.00	567.90
Trucking	17.55	2/8/2019	Maple St to Potrero - Job #18247	30276	30.00	526.50
Trucking	18.95	2/8/2019	Maple St to Potrero - Job #18247	16543	30.00	568.50
Trucking	20.83	2/8/2019	Maple St to Potrero - Job #18247	28171	30.00	624.90
Trucking	19.85	2/8/2019	Maple St to Potrero - Job #18247	26452	30.00	595.50
Trucking	34.67	2/8/2019	Maple St to Potrero - Job #18247	16591	30.00	1,040.10
Trucking	38.77	2/8/2019	Maple St to Potrero - Job #18247	24208	30.00	1,163.10
Trucking	39.82	2/8/2019	Maple St to Potrero - Job #18247	20501	30.00	1,194.60
Trucking	14.58	2/8/2019	Maple St to Potrero - Job #18247	20601	30.00	437.40
Trucking	19.96	2/8/2019	Maple St to Potrero - Job #18247	15511	30.00	598.80
Trucking	39.87	2/8/2019	Maple St to Potrero - Job #18247	15628	30.00	1,196.10
Trucking	23.23	2/8/2019	Maple St to Potrero - Job #18247	23788	30.00	696.90

674.44 tons
Cuatelos PHLF
TOTAL

Subtotal	$20.233.20
Sales Tax (8.0%)	$0.00
Total	$20.233.20

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
2/28/2019	13392

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

Terms	Due Date
Net 30	3/30/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	40.22	2/13/2019	Maple St to Potrero - Job #18247	20576	30.00	1,206.60
Trucking	40.88	2/13/2019	Maple St to Potrero - Job #18247	20503	30.00	1,226.40

Subtotal	$2,433.00
Sales Tax (8.0%)	$0.00
Total	$2,433.00

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

Team North Construction Services, Inc.

150 Executive Park Blvd. Suite #3150
San Francisco, CA 94134
(415) 467-0300
UDBE cert#34549

Invoice

Date	Invoice #
5/31/2019	13682

Bill To
A&B Construction 1350 4th St. Berkeley, CA 94710

Terms	Due Date
Net 30	6/30/2019

Item	Qty	Serviced	Description	Tag#	Rate	Amount
Trucking	45.02	5/30/2019	1548 Maple St to Potrero - Job #18247	27735	30.00	1,350.60
Trucking	41.41	5/30/2019	1548 Maple St to Potrero - Job #18247	19161	30.00	1,242.30

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Subtotal	$2,592.90
Sales Tax (8.0%)	$0.00
Total	$2,592.90

*A portion of the profits from this sale are donated to JDRF (Juvenile Diabetes Research Foundation)

PHLF 19067

JOB # PHLF19067 Redwood City

MAXIMUM AMOUNT: 4,000.00

1043072	6/5/19	12:00:00 AM AB CONSTRUCTION INC	18.40 TON
1043074	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	20.31 TON
1043078	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	20.91 TON
1043083	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	19.75 TON
1043086	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	21.58 TON
1043090	6/5/19	12:00:00 AM AB CONSTRUCTION INC	21.00 TON
1043091	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	23.40 TON
1043104	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	16.47 TON
1043105	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	21.09 TON
1043111	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	20.97 TON
1043113	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	28.07 TON
1043113	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1043154	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	27.46 TON
1043154	6/5/19	12:00:00 AM AB CONSTRUCTION INC	- LOAD
1043203	6/5/19	12:00:00 AM AB CONSTRUCTION INC	25.92 TON
1043203	6/5/19	12:00:00 AM AB CONSTRUCTION INC	- LOAD
1043255	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	21.76 TON
1043258	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	23.15 TON
1043261	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	21.93 TON
1043265	6/5/19	12:00:00 AM AB CONSTRUCTION INC	23.49 TON
1043268	6/5/19	12:00:00 AM AB CONSTRUCTION INC	22.50 TON
1043268	6/5/19	12:00:00 AM AB CONSTRUCTION INC	- LOAD
1043272	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	22.59 TON
1043282	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	23.62 TON
1043308	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	24.16 TON
1043316	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	26.97 TON
1043316	6/5/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1043340	6/5/19	12:00:00 AM AB CONSTRUCTION INC	25.99 TON
1043340	6/5/19	12:00:00 AM AB CONSTRUCTION INC	- LOAD
1043352	6/5/19	12:00:00 AM AB CONSTRUCTION INC	20.77 TON
1043496	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	19.68 TON
1043506	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	20.16 TON
1043507	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	25.03 TON
1043507	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1043528	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	18.52 TON
1043700	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	17.00 TON
1043704	6/6/19	12:00:00 AM AB CONSTRUCTION INC	19.16 TON
1043731	6/6/19	12:00:00 AM AB CONSTRUCTION INC.	20.35 TON
1045455	6/12/19	12:00:00 AM AB CONSTRUCTION INC.	20.34 TON
1045464	6/12/19	12:00:00 AM AB CONSTRUCTION INC.	21.53 TON
1045495	6/12/19	12:00:00 AM AB CONSTRUCTION INC	19.59 TON
1045514	6/12/19	12:00:00 AM AB CONSTRUCTION INC	20.12 TON
1045685	6/12/19	12:00:00 AM AB CONSTRUCTION INC	19.66 TON
1045696	6/12/19	12:00:00 AM AB CONSTRUCTION INC	19.76 TON
1045703	6/12/19	12:00:00 AM AB CONSTRUCTION INC.	20.53 TON
1045703	6/12/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1045746	6/12/19	12:00:00 AM AB CONSTRUCTION INC.	23.28 TON
1045960	6/13/19	12:00:00 AM AB CONSTRUCTION INC.	22.90 TON
1046176	6/13/19	12:00:00 AM AB CONSTRUCTION INC.	19.49 TON
1048959	6/21/19	12:00:00 AM AB CONSTRUCTION INC.	21.06 TON
1048960	6/21/19	12:00:00 AM AB CONSTRUCTION INC	20.29 TON
1048967	6/21/19	12:00:00 AM AB CONSTRUCTION INC.	19.43 TON
1049191	6/21/19	12:00:00 AM AB CONSTRUCTION INC	20.34 TON

JOB # PHLF19067 Redwood City

MAXIMUM AMOUNT: 4,000.00

1049194	6/21/19	12:00:00 AM AB CONSTRUCTION INC.	21.02 TON
1049200	6/21/19	12:00:00 AM AB CONSTRUCTION INC.	21.82 TON
1050234	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.23 TON
1050243	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.62 TON
1050307	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	19.40 TON
1050317	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.35 TON
1050321	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	21.31 TON
1050324	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.90 TON
1050325	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	15.51 TON
1050328	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	19.63 TON
1050329	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	16.47 TON
1050331	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	20.02 TON
1050332	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	20.63 TON
1050334	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	19.38 TON
1050338	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	20.99 TON
1050342	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	19.15 TON
1050344	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.29 TON
1050448	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	18.71 TON
1050505	6/25/19	12:00:00 AM AB CONSTRUCTION INC.	17.46 TON
1050667	6/26/19	12:00:00 AM AB CONSTRUCTION INC.	19.16 TON
1050677	6/26/19	12:00:00 AM AB CONSTRUCTION INC.	17.83 TON
1050887	6/26/19	12:00:00 AM AB CONSTRUCTION INC.	21.07 TON
1050923	6/26/19	12:00:00 AM AB CONSTRUCTION INC.	17.73 TON
1051149	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	19.39 TON
1051151	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	21.04 TON
1051289	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	23.34 TON
1051364	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	25.51 TON
1051364	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1051367	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	24.85 TON
1051367	6/27/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1051544	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	21.40 TON
1051548	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	21.62 TON
1051567	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	26.22 TON
1051567	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1051576	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	23.94 TON
1051576	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1051764	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	19.08 TON
1051773	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	21.06 TON
1051782	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	19.04 TON
1051808	6/28/19	12:00:00 AM AB CONSTRUCTION INC.	20.06 TON
			1,696.89

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 138
Trailer: MANMIT TRANS
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:35:20
DATE OUT: 06/05/2019 TIME OUT: 08:55:21
Job: PHLF19067
INBOUND TICKET Number: 01-1043072

SCALE 1 GROSS WT.	69440 LB
SCALE 3 TARE WT.	32640 LB
NET WEIGHT	36800 LB

Qty	Description
18.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 137
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:36:58
DATE OUT: 06/05/2019 TIME OUT: 08:54:19
Job: PHLF19067

INBOUND TICKET Number: 01-1043074

SCALE 1 GROSS WT.	74060 LB
SCALE 3 TARE WT.	33440 LB
NET WEIGHT	40620 LB

Qty	Description
20.31	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 1123
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 139
Trailer:
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:41:05
DATE OUT: 06/05/2019 TIME OUT: 08:57:04
Job: PHLF19067
INBOUND TICKET Number: 01-1043078

SCALE 1 GROSS WT.	71560 LB
SCALE 3 TARE WT.	29740 LB
NET WEIGHT	41820 LB

Qty	Description
20.91	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 140 WASON TR CA483442
Trailer: 9F62256 3543
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:47:06
DATE OUT: 06/05/2019 TIME OUT: 09:06:34
Job: PHLF19067

INBOUND TICKET Number: 01-1043083

SCALE 1 GROSS WT.	71620 LB
SCALE 3 TARE WT.	32120 LB
NET WEIGHT	39500 LB

Qty	Description
19.75	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 141
Trailer: #101
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:49:30
DATE OUT: 06/05/2019 TIME OUT: 09:10:52
Job: PHLF19067
INBOUND TICKET Number: 01-1043086

SCALE 1 GROSS WT.	76700 LB
SCALE 3 TARE WT.	33540 LB
NET WEIGHT	43160 LB

Qty	Description
21.58	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 142
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 08:59:30
DATE OUT: 06/05/2019 TIME OUT: 08:59:30
Job: PHLF19067

INBOUND TICKET Number: 01-1043090

SCALE 1 GROSS WT.	74140 LB
STORED TARE WT.	32140 LB
NET WEIGHT	42000 LB

Qty	Description
21.00	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: I43
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 09:01:33
DATE OUT: 06/05/2019 TIME OUT: 09:19:21
Job: PHLF19067

INBOUND TICKET Number: 01-1043091

SCALE 1 GROSS WT.	79820 LB
SCALE 3 TARE WT.	33020 LB
NET WEIGHT	46800 LB

Qty	Description
23.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 136
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 09:20:15
DATE OUT: 06/05/2019 TIME OUT: 09:37:59
Job: PHLF19067

INBOUND TICKET Number: 01-1043104

SCALE 1 GROSS WT.	64660 LB
SCALE 3 TARE WT.	31720 LB
NET WEIGHT	32940 LB

Qty	Description
16.47	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 144
Trailer:
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 09:21:33
DATE OUT: 06/05/2019 TIME OUT: 09:43:19
Job: PHLF19067
INBOUND TICKET Number: 01-1043105

SCALE 1 GROSS WT.	74040 LB
SCALE 3 TARE WT.	31860 LB
NET WEIGHT	42180 LB

Qty	Description
21.09	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 00100
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 09:31:24
DATE OUT: 06/05/2019 TIME OUT: 09:31:24
Job: PHLF19067

INBOUND TICKET Number: 01-1043111

SCALE 1 GROSS WT.	74800 LB
STORED TARE WT.	32860 LB
NET WEIGHT	41940 LB

Qty	Description
20.97	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 147
Trailer: OVWT WARNING 1ST AND

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 09:34:44
DATE OUT: 06/05/2019 TIME OUT: 09:51:17
Job: PHLF19067

INBOUND TICKET Number: 01-1043113

SCALE 1 GROSS WT.	89500 LB
SCALE 3 TARE WT.	33360 LB
NET WEIGHT	56140 LB

Qty	Description
28.07	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0329
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 146 OVWT WARNING
Trailer: 9F78061 329
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 10:26:43
DATE OUT: 06/05/2019 TIME OUT: 10:51:10
Job: PHLF19067

INBOUND TICKET Number: 01-1043154

SCALE 1 GROSS WT.	88940 LB
SCALE 3 TARE WT.	34040 LB
NET WEIGHT	54900 LB

Qty	Description
27.45	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?:
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: JELLOS TRK CA529441
Trailer: 9F77819 1ST AND FINAL
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 11:33:10
DATE OUT: 06/05/2019 TIME OUT: 11:58:51
Job: PHLF19067
INBOUND TICKET Number: 01-1043203

SCALE 1 GROSS WT.	83180 LB
SCALE 3 TARE WT.	31340 LB
NET WEIGHT	51840 LB

Qty	Description
25.92	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 149
Trailer: MANMIT

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 12:46:59
DATE OUT: 06/05/2019 TIME OUT: 13:10:13
Job: PHLF19067

INBOUND TICKET Number: 01-1043255

SCALE 1 GROSS WT.	76300 LB
SCALE 3 TARE WT.	32780 LB
NET WEIGHT	43520 LB

Qty	Description
21.76	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 113
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 150

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 12:52:11
DATE OUT: 06/05/2019 TIME OUT: 13:09:19
Job: PHLF19067

INBOUND TICKET Number: 01-1043258

SCALE 1 GROSS WT.	79560 LB
SCALE 3 TARE WT.	33260 LB
NET WEIGHT	46300 LB

Qty	Description
23.15	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 1123
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 151

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 12:59:02
DATE OUT: 06/05/2019 TIME OUT: 13:12:48
Job: PHLF19067

INBOUND TICKET Number: 01-1043261

SCALE 1 GROSS WT.	73420 LB
SCALE 3 TARE WT.	29560 LB
NET WEIGHT	43860 LB

Qty	Description
21.93	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 3543
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 152
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 13:04:50
DATE OUT: 06/05/2019 TIME OUT: 13:20:13
Job: PHLF19067
INBOUND TICKET Number: 01-1043265

SCALE 1 GROSS WT.	78740 LB
SCALE 3 TARE WT.	31760 LB
NET WEIGHT	46980 LB

Qty	Description
23.49	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F07564
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 154 JASWINDER SINGH
Trailer: 101 FOLLOW

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 13:15:53
DATE OUT: 06/05/2019 TIME OUT: 13:41:37
Job: PHLF19067

INBOUND TICKET Number: 01-1043268

SCALE 1 GROSS WT.	78300 LB
SCALE 3 TARE WT.	33300 LB
NET WEIGHT	45000 LB

Qty	Description
22.50	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 155

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 13:18:39
DATE OUT: 06/05/2019 TIME OUT: 13:42:44
Job: PHLF19067

INBOUND TICKET Number: 01-1043272

SCALE 1 GROSS WT.	77780 LB
SCALE 3 TARE WT.	32600 LB
NET WEIGHT	45180 LB

Qty	Description
22.59	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 142

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 13:28:30
DATE OUT: 06/05/2019 TIME OUT: 13:28:30
Job: PHLF19067

INBOUND TICKET Number: 01-1043282

SCALE 1 GROSS WT.	79380 LB
STORED TARE WT.	32140 LB
NET WEIGHT	47240 LB

Qty	Description
23.62	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 157
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 14:04:09
DATE OUT: 06/05/2019 TIME OUT: 14:04:09
Job: PHLF19067

INBOUND TICKET Number: 01-1043308

SCALE 1 GROSS WT.	81620 LB
STORED TARE WT.	33300 LB
NET WEIGHT	48320 LB

Qty	Description
24.16	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 156
Trailer: R. LEWIS OVERWT

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 14:15:49
DATE OUT: 06/05/2019 TIME OUT: 14:38:51
Job: PHLF19067

INBOUND TICKET Number: 01-1043316

SCALE 1 GROSS WT.	85360 LB
SCALE 3 TARE WT.	31420 LB
NET WEIGHT	53940 LB

Qty	Description
26.97	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 158
Trailer: OVERWT

Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 14:54:59
DATE OUT: 06/05/2019 TIME OUT: 15:31:59
Job: PHLF19067

INBOUND TICKET Number: 01-1043340

SCALE 1 GROSS WT.	85060 LB
SCALE 3 TARE WT.	33080 LB
NET WEIGHT	51980 LB

Qty	Description
25.99	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0329
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 159
Origin: REDWOOD CITY
DATE IN: 06/05/2019 TIME IN: 16:21:49
DATE OUT: 06/05/2019 TIME OUT: 16:40:43
Job: PHLF19067

INBOUND TICKET Number: 01-1043352

SCALE 1 GROSS WT.	75260 LB
SCALE 3 TARE WT.	33720 LB
NET WEIGHT	41540 LB

Qty	Description
20.77	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 1123
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 169
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 09:00:43
DATE OUT: 06/06/2019 TIME OUT: 09:17:00
Job: PHLF19067

INBOUND TICKET Number: 01-1043496

SCALE 1 GROSS WT.	69440 LB
SCALE 3 TARE WT.	29680 LB
NET WEIGHT	39760 LB

Qty	Description
19.88	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: XP22693-07
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 160
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 09:13:08
DATE OUT: 06/06/2019 TIME OUT: 09:32:07
Job: PHLF19067

INBOUND TICKET Number: 01-1043506

SCALE 1 GROSS WT.	72580 LB
SCALE 3 TARE WT.	32260 LB
NET WEIGHT	40320 LB

Qty	Description
20.16	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E58042
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 168
Trailer: TIME IN 8:52 OVWT FEE

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 09:14:37
DATE OUT: 06/06/2019 TIME OUT: 09:14:37
Job: PHLF19067

INBOUND TICKET Number: 01-1043507

MANUAL GROSS WT.	83040 LB
SCALE 3 TARE WT.	32980 LB
NET WEIGHT	50060 LB

Qty	Description
25.03	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: SS48
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 161
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 09:47:53
DATE OUT: 06/06/2019 TIME OUT: 10:14:47
Job: PHLF19067

INBOUND TICKET Number: 01-1043528

SCALE 1 GROSS WT.	68720 LB
SCALE 3 TARE WT.	31680 LB
NET WEIGHT	37040 LB

Qty	Description
18.52	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E58042
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 162
Trailer: MANMIT

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 13:37:53
DATE OUT: 06/06/2019 TIME OUT: 13:56:13
Job: PHLF19067

INBOUND TICKET Number: 01-1043700

SCALE 1 GROSS WT.	66820 LB
SCALE 3 TARE WT.	32820 LB
NET WEIGHT	34000 LB

Qty	Description
17.00	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 1123
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 163

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 13:46:12
DATE OUT: 06/06/2019 TIME OUT: 14:00:16
Job: PHLF19067

INBOUND TICKET Number: 01-1043704

SCALE 1 GROSS WT.	67880 LB
SCALE 3 TARE WT.	29560 LB
NET WEIGHT	38320 LB

Qty	Description
19.16	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: XP22693-07
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 164
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/06/2019 TIME IN: 14:32:37
DATE OUT: 06/06/2019 TIME OUT: 14:54:30
Job: PHLF19067

INBOUND TICKET Number: 01-1043731

SCALE 1 GROSS WT.	72800 LB
SCALE 3 TARE WT.	32100 LB
NET WEIGHT	40700 LB

Qty	Description
20.35	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F76175-1
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 165
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 08:56:02
DATE OUT: 06/12/2019 TIME OUT: 09:16:11
Job: PHLF19067

INBOUND TICKET Number: 01-1045455

SCALE 1 GROSS WT.	71680 LB
SCALE 3 TARE WT.	31000 LB
NET WEIGHT	40680 LB

Qty	Description
20.34	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 166
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 09:05:13
DATE OUT: 06/12/2019 TIME OUT: 09:05:13
Job: PHLF19067

INBOUND TICKET Number: 01-1045464

SCALE 1 GROSS WT.	76420 LB
STORED TARE WT.	33360 LB
NET WEIGHT	43060 LB

Qty	Description
21.53	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: WP73515
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 170
Trailer: 007

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 09:59:51
DATE OUT: 06/12/2019 TIME OUT: 10:19:51
Job: PHLF19067

INBOUND TICKET Number: 01-1045495

SCALE 1 GROSS WT.	69360 LB
SCALE 3 TARE WT.	30180 LB
NET WEIGHT	39180 LB

Qty	Description
19.59	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E20353-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 167

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 10:22:15
DATE OUT: 06/12/2019 TIME OUT: 10:55:06
Job: PHLF19067

INBOUND TICKET Number: 01-1045514

SCALE 1 GROSS WT.	74360 LB
SCALE 3 TARE WT.	34120 LB
NET WEIGHT	40240 LB

Qty	Description
20.12	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 171

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 14:01:48
DATE OUT: 06/12/2019 TIME OUT: 14:01:48
Job: PHLF19067

INBOUND TICKET Number: 01-1045685

SCALE 1 GROSS WT.	72680 LB
STORED TARE WT.	33360 LB
NET WEIGHT	39320 LB

Qty	Description
19.66	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F76175-1
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 172
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 14:17:43
DATE OUT: 06/12/2019 TIME OUT: 14:39:46
Job: PHLF19067

INBOUND TICKET Number: 01-1045696

SCALE 1 GROSS WT.	70320 LB
SCALE 3 TARE WT.	30800 LB
NET WEIGHT	39520 LB

Qty	Description
19.76	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: WP73515
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 173 DEFIANT-PPE
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 14:25:45
DATE OUT: 06/12/2019 TIME OUT: 14:46:50
Job: PHLF19067

INBOUND TICKET Number: 01-1045703

SCALE 1 GROSS WT.	71220 LB
SCALE 3 TARE WT.	30160 LB
NET WEIGHT	41060 LB

Qty	Description
20.53	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E20353-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 174
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/12/2019 TIME IN: 15:45:34
DATE OUT: 06/12/2019 TIME OUT: 16:29:01
Job: PHLF19067

INBOUND TICKET Number: 01-1045746

SCALE 1 GROSS WT.	80520 LB
SCALE 3 TARE WT.	33960 LB
NET WEIGHT	46560 LB

Qty	Description
23.28	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 175
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/13/2019 TIME IN: 09:50:37
DATE OUT: 06/13/2019 TIME OUT: 09:50:37
Job: PHLF19067

INBOUND TICKET Number: 01-1045960

SCALE 1 GROSS WT.	79000 LB
STORED TARE WT.	33200 LB
NET WEIGHT	45800 LB

Qty	Description
22.90	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #W403
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 176
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/13/2019 TIME IN: 14:29:37
DATE OUT: 06/13/2019 TIME OUT: 14:29:37
Job: PHLF19067

INBOUND TICKET Number: 01-1046176

SCALE 1 GROSS WT.	72180 LB
STORED TARE WT.	33200 LB
NET WEIGHT	38980 LB

Qty	Description
19.49	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #0103
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 177
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/21/2019 TIME IN: 08:50:48
DATE OUT: 06/21/2019 TIME OUT: 09:14:56
Job: PHLF19067

INBOUND TICKET Number: 01-1048959

SCALE 1 GROSS WT.	75660 LB
SCALE 3 TARE WT.	33540 LB
NET WEIGHT	42120 LB

Qty	Description
21.06	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 338
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 178
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/21/2019 TIME IN: 08:52:31
DATE OUT: 06/21/2019 TIME OUT: 09:13:46
Job: PHLF19067

INBOUND TICKET Number: 01-1048960

SCALE 1 GROSS WT.	73060 LB
SCALE 3 TARE WT.	32480 LB
NET WEIGHT	40580 LB

Qty	Description
20.29	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 179
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/21/2019 TIME IN: 09:00:58
DATE OUT: 06/21/2019 TIME OUT: 09:00:58
Job: PHLF19067

INBOUND TICKET Number: 01-1048967

SCALE 1 GROSS WT.	72220 LB
STORED TARE WT.	33360 LB
NET WEIGHT	38860 LB

Qty	Description
19.43	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 180
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/21/2019 TIME IN: 13:15:20
DATE OUT: 06/21/2019 TIME OUT: 13:15:20
Job: PHLF19067

INBOUND TICKET Number: 01-1049191

SCALE 1 GROSS WT.	74040 LB
STORED TARE WT.	33360 LB
NET WEIGHT	40680 LB

Qty	Description
20.34	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 338
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 181
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/21/2019 TIME IN: 13:18:00
DATE OUT: 06/21/2019 TIME OUT: 13:18:00
Job: PHLF19067

INBOUND TICKET Number: 01-1049194

SCALE 1 GROSS WT.	74520 LB
STORED TARE WT.	32480 LB
NET WEIGHT	42040 LB

Qty	Description
21.02	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #0103
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 182
Trailer:

Origin: SAN FRANCISCO
DATE IN: 06/21/2019 TIME IN: 13:28:22
DATE OUT: 06/21/2019 TIME OUT: 14:05:08
Job: PHLF19067

INBOUND TICKET Number: 01-1049200

SCALE 1 GROSS WT.	76980 LB
SCALE 3 TARE WT.	33340 LB
NET WEIGHT	43640 LB

Qty	Description
21.82	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0088
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: LC=COM
Trailer: 195

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 08:51:03
DATE OUT: 06/25/2019 TIME OUT: 09:21:39
Job: PHLF19067

INBOUND TICKET Number: 01-1050234

SCALE 1 GROSS WT.	69760 LB
SCALE 3 TARE WT.	33300 LB
NET WEIGHT	36460 LB

Qty	Description
18.23	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E36645
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 196
Trailer: LC=COM

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 09:08:38
DATE OUT: 06/25/2019 TIME OUT: 09:30:14
Job: PHLF19067

INBOUND TICKET Number: 01-1050243

SCALE 1 GROSS WT.	69520 LB
SCALE 3 TARE WT.	32280 LB
NET WEIGHT	37240 LB

Qty	Description
18.62	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9E24458-22
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1049737 6/24
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:22:47
DATE OUT: 06/25/2019 TIME OUT: 10:23:56
Job: PHLF19067

INBOUND TICKET Number: 01-1050307

MANUAL GROSS WT.	70000 LB
MANUAL TARE WT.	31200 LB
NET WEIGHT	38800 LB

Qty	Description
19.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9F43726-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: REP 1049783
Trailer: 185

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:39:55
DATE OUT: 06/25/2019 TIME OUT: 10:39:55
Job: PHLF19067

INBOUND TICKET Number: 01-1050317

MANUAL GROSS WT.	67140 LB
MANUAL TARE WT.	30440 LB
NET WEIGHT	36700 LB

Qty	Description
18.35	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1049798 6/24 9:59 AM
Trailer: 183

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:43:04
DATE OUT: 06/25/2019 TIME OUT: 10:43:04
Job: PHLF19067

INBOUND TICKET Number: 01-1050321

MANUAL GROSS WT.	75980 LB
STORED TARE WT.	33360 LB
NET WEIGHT	42620 LB

Qty	Description
21.31	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: W205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1049799 6/24
Trailer: 186

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:45:37
DATE OUT: 06/25/2019 TIME OUT: 10:45:37
Job: PHLF19067

INBOUND TICKET Number: 01-1050324

MANUAL GROSS WT.	70820 LB
MANUAL TARE WT.	33020 LB
NET WEIGHT	37800 LB

Qty	Description
18.90	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 13236
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1049805 10:08 AM
Trailer: 188

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:46:56
DATE OUT: 06/25/2019 TIME OUT: 10:46:56
Job: PHLF19067

INBOUND TICKET Number: 01-1050325

MANUAL GROSS WT.	61720 LB
STORED TARE WT.	30706 LB
NET WEIGHT	31014 LB

Qty	Description
15.51	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #340
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: LOAD FROM 6/24 REP
Trailer: 187
Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:47:22
DATE OUT: 06/25/2019 TIME OUT: 10:47:22
Job: PHLF19067

INBOUND TICKET Number: 01-1050328

MANUAL GROSS WT.	72260 LB
MANUAL TARE WT.	33000 LB
NET WEIGHT	39260 LB

Qty	Description
19.63	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9E36645
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1049810 6/24
Trailer: TRUCK 99 189

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:49:39
DATE OUT: 06/25/2019 TIME OUT: 10:49:39
Job: PHLF19067

INBOUND TICKET Number: 01-1050329

MANUAL GROSS WT.	65580 LB
MANUAL TARE WT.	32640 LB
NET WEIGHT	32940 LB

Qty	Description
16.47	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: REP 1050021
Trailer: 193

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:50:46
DATE OUT: 06/25/2019 TIME OUT: 10:50:46
Job: PHLF19067

INBOUND TICKET Number: 01-1050331

MANUAL GROSS WT.	72920 LB
MANUAL TARE WT.	32880 LB
NET WEIGHT	40040 LB

Qty	Description
20.02	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1050024 6/24 2:16 PM
Trailer: 192

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:51:03
DATE OUT: 06/25/2019 TIME OUT: 10:51:03
Job: PHLF19067

INBOUND TICKET Number: 01-1050332

MANUAL GROSS WT.	74620 LB
STORED TARE WT.	33360 LB
NET WEIGHT	41260 LB

Qty	Description
20.63	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9F43726-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1050032 6/24
Trailer: 191
Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:52:16
DATE OUT: 06/25/2019 TIME OUT: 10:52:16
Job: PHLF19067

INBOUND TICKET Number: 01-1050334

MANUAL GROSS WT.	69040 LB
MANUAL TARE WT.	30280 LB
NET WEIGHT	38760 LB

Qty	Description
19.38	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: #340
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1050035 10/24
Trailer: 198

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:54:33
DATE OUT: 06/25/2019 TIME OUT: 10:54:33
Job: PHLF19067

INBOUND TICKET Number: 01-1050338

MANUAL GROSS WT.	74540 LB
MANUAL TARE WT.	32560 LB
NET WEIGHT	41980 LB

Qty	Description
20.99	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9E36645
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: RP 1050042 6/24
Trailer: 199

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:56:30
DATE OUT: 06/25/2019 TIME OUT: 10:56:30
Job: PHLF19067

INBOUND TICKET Number: 01-1050342

MANUAL GROSS WT.	70740 LB
MANUAL TARE WT.	32440 LB
NET WEIGHT	38300 LB

Qty	Description
19.15	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 13236
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: REP 1050048
Trailer: 194

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 10:57:18
DATE OUT: 06/25/2019 TIME OUT: 10:57:18
Job: PHLF19067

INBOUND TICKET Number: 01-1050344

MANUAL GROSS WT.	67280 LB
STORED TARE WT.	30706 LB
NET WEIGHT	36574 LB

Qty	Description
18.29	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 0088
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 197
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 13:22:17
DATE OUT: 06/25/2019 TIME OUT: 13:22:17
Job: PHLF19067

INBOUND TICKET Number: 01-1050448

SCALE 1 GROSS WT.	70720 LB
STORED TARE WT.	33300 LB
NET WEIGHT	37420 LB

Qty	Description
18.71	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E36645
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 201

Origin: REDWOOD CITY
DATE IN: 06/25/2019 TIME IN: 15:24:02
DATE OUT: 06/25/2019 TIME OUT: 15:44:59
Job: PHLF19067

INBOUND TICKET Number: 01-1050505

SCALE 1 GROSS WT.	67620 LB
SCALE 3 TARE WT.	32700 LB
NET WEIGHT	34920 LB

Qty	Description
17.46	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E36636-38
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 200
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/26/2019 TIME IN: 08:59:59
DATE OUT: 06/26/2019 TIME OUT: 08:59:59
Job: PHLF19067

INBOUND TICKET Number: 01-1050667

SCALE 1 GROSS WT.	71760 LB
STORED TARE WT.	33440 LB
NET WEIGHT	38320 LB

Qty	Description
19.16	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #024
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 202
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/26/2019 TIME IN: 09:07:11
DATE OUT: 06/26/2019 TIME OUT: 09:35:32
Job: PHLF19067

INBOUND TICKET Number: 01-1050677

SCALE 1 GROSS WT.	67540 LB
SCALE 3 TARE WT.	31880 LB
NET WEIGHT	35660 LB

Qty	Description
17.83	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E36636-38
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 203
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/26/2019 TIME IN: 13:33:49
DATE OUT: 06/26/2019 TIME OUT: 13:33:49
Job: PHLF19067

INBOUND TICKET Number: 01-1050887

SCALE 1 GROSS WT.	75580 LB
STORED TARE WT.	33440 LB
NET WEIGHT	42140 LB

Qty	Description
21.07	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #024
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 204

Origin: REDWOOD CITY
DATE IN: 06/26/2019 TIME IN: 14:35:10
DATE OUT: 06/26/2019 TIME OUT: 14:55:56
Job: PHLF19067

INBOUND TICKET Number: 01-1050923

SCALE 1 GROSS WT.	68180 LB
SCALE 3 TARE WT.	32720 LB
NET WEIGHT	35460 LB

Qty	Description
17.73	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F31579
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 206
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/27/2019 TIME IN: 09:20:48
DATE OUT: 06/27/2019 TIME OUT: 09:46:07
Job: PHLF19067

INBOUND TICKET Number: 01-1051149

SCALE 1 GROSS WT.	72120 LB
SCALE 3 TARE WT.	33340 LB
NET WEIGHT	38780 LB

Qty	Description
19.39	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E20353-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 205
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/27/2019 TIME IN: 09:22:10
DATE OUT: 06/27/2019 TIME OUT: 09:51:55
Job: PHLF19067

INBOUND TICKET Number: 01-1051151

SCALE 1 GROSS WT.	75540 LB
SCALE 3 TARE WT.	33460 LB
NET WEIGHT	42080 LB

Qty	Description
21.04	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F82834
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 108
Trailer: 207

Origin: REDWOOD CITY
DATE IN: 06/27/2019 TIME IN: 12:33:21
DATE OUT: 06/27/2019 TIME OUT: 12:55:45
Job: PHLF19067

INBOUND TICKET Number: 01-1051289

SCALE 1 GROSS WT.	80200 LB
SCALE 3 TARE WT.	33520 LB
NET WEIGHT	46680 LB

Qty	Description
23.34	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9F31579
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 208

Origin: REDWOOD CITY
DATE IN: 06/27/2019 TIME IN: 14:33:49
DATE OUT: 06/27/2019 TIME OUT: 15:24:50
Job: PHLF19067

INBOUND TICKET Number: 01-1051364

SCALE 1 GROSS WT.	84040 LB
SCALE 3 TARE WT.	33020 LB
NET WEIGHT	51020 LB

Qty	Description
25.51	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E20353-79
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 209

Origin: REDWOOD CITY
DATE IN: 06/27/2019 TIME IN: 14:40:13
DATE OUT: 06/27/2019 TIME OUT: 15:21:00
Job: PHLF19067

INBOUND TICKET Number: 01-1051367

SCALE 1 GROSS WT.	82940 LB
SCALE 3 TARE WT.	33240 LB
NET WEIGHT	49700 LB

Qty	Description
24.85	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9F82834
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 210
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 08:50:13
DATE OUT: 06/28/2019 TIME OUT: 09:06:09
Job: PHLF19067

INBOUND TICKET Number: 01-1051544

SCALE 1 GROSS WT.	76960 LB
SCALE 3 TARE WT.	34160 LB
NET WEIGHT	42800 LB

Qty	Description
21.40	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 211
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 08:53:35
DATE OUT: 06/28/2019 TIME OUT: 08:53:35
Job: PHLF19067

INBOUND TICKET Number: 01-1051548

SCALE 1 GROSS WT.	75380 LB
STORED TARE WT.	32140 LB
NET WEIGHT	43240 LB

Qty	Description
21.62	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 213
Trailer: OVERWT

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 09:10:56
DATE OUT: 06/28/2019 TIME OUT: 09:10:56
Job: PHLF19067

INBOUND TICKET Number: 01-1051567

SCALE 1 GROSS WT.	85800 LB
STORED TARE WT.	33360 LB
NET WEIGHT	52440 LB

Qty	Description
26.22	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #340
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 212
Trailer: RUBEN CASTRO OVERWT

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 09:17:12
DATE OUT: 06/28/2019 TIME OUT: 09:42:18
Job: PHLF19067

INBOUND TICKET Number: 01-1051576

SCALE 2 GROSS WT.	80680 LB
SCALE 3 TARE WT.	32800 LB
NET WEIGHT	47880 LB

Qty	Description
23.94	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #339
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 211
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 13:11:00
DATE OUT: 06/28/2019 TIME OUT: 13:11:00
Job: PHLF19067

INBOUND TICKET Number: 01-1051764

SCALE 1 GROSS WT.	70300 LB
STORED TARE WT.	32140 LB
NET WEIGHT	38160 LB

Qty	Description
19.08	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9F82834
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 214

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 13:23:31
DATE OUT: 06/28/2019 TIME OUT: 13:38:56
Job: PHLF19067

INBOUND TICKET Number: 01-1051773

SCALE 1 GROSS WT.	76120 LB
SCALE 3 TARE WT.	34000 LB
NET WEIGHT	42120 LB

Qty	Description
21.06	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: W502
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 216

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 13:37:05
DATE OUT: 06/28/2019 TIME OUT: 13:37:05
Job: PHLF19067

INBOUND TICKET Number: 01-1051782

SCALE 1 GROSS WT.	71440 LB
STORED TARE WT.	33360 LB
NET WEIGHT	38080 LB

Qty	Description
19.04	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #340
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 217

Origin: REDWOOD CITY
DATE IN: 06/28/2019 TIME IN: 14:24:11
DATE OUT: 06/28/2019 TIME OUT: 14:47:14
Job: PHLF19067

INBOUND TICKET Number: 01-1051808

SCALE 1 GROSS WT.	72720 LB
SCALE 3 TARE WT.	32600 LB
NET WEIGHT	40120 LB

Qty	Description
20.06	Profile Soil-T ADC

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,
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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

PHLF 19067N

JOB # PHLF19067N Non-conforming load REDWD CITY

MAXIMUM AMOUNT: 3,000.00

1049737	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	19.40 TON
1049783	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	18.35 TON
1049798	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	21.31 TON
1049799	6/24/19	12:00:00 AM AB CONSTRUCTION INC	18.90 TON
1049803	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	19.63 TON
1049805	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	15.51 TON
1049810	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	16.47 TON
1049969	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	17.95 TON
1050021	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	20.02 TON
1050024	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	20.63 TON
1050032	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	19.38 TON
1050035	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	20.99 TON
1050042	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	19.15 TON
1050048	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	18.29 TON
1050369	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-19.40 TON
1050370	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-18.35 TON
1050371	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-21.31 TON
1050372	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-18.90 TON
1050373	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-15.51 TON
1050374	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-19.63 TON
1050375	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-16.47 TON
1050376	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-20.63 TON
1050377	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-20.02 TON
1050379	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-19.38 TON
1050380	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-20.99 TON
1050381	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-19.15 TON
1050382	6/24/19	12:00:00 AM AB CONSTRUCTION INC.	-18.29 TON
			17.95

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9E24458-22
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 184
Trailer: LC= NC DIRT
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 08:49:16
DATE OUT: 06/24/2019 TIME OUT: 09:04:06
Job: PHLF19067N
INBOUND TICKET Number: 01-1049737

SCALE 1 GROSS WT.	70000 LB
SCALE 3 TARE WT.	31200 LB
NET WEIGHT	38800 LB

Qty	Description
19.40	Profile Soil-T ADC

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9F43726-79
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 185
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 09:41:57
DATE OUT: 06/24/2019 TIME OUT: 10:06:10
Job: PHLF19067N

INBOUND TICKET Number: 01-1049783

SCALE 1 GROSS WT.	67140 LB
SCALE 3 TARE WT.	30440 LB
NET WEIGHT	36700 LB

Qty	Description
18.35	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: W502
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 183
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 09:59:42
DATE OUT: 06/24/2019 TIME OUT: 09:59:42
Job: PHLF19067N

INBOUND TICKET Number: 01-1049798

SCALE 1 GROSS WT.	75980 LB
STORED TARE WT.	33360 LB
NET WEIGHT	42620 LB

Qty	Description
21.31	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 186
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:01:01
DATE OUT: 06/24/2019 TIME OUT: 10:25:01
Job: PHLF19067N

INBOUND TICKET Number: 01-1049799

SCALE 1 GROSS WT.	70820 LB
SCALE 3 TARE WT.	33020 LB
NET WEIGHT	37800 LB

Qty	Description
18.90	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: #340
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 187
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:07:30
DATE OUT: 06/24/2019 TIME OUT: 10:31:48
Job: PHLF19067N

INBOUND TICKET Number: 01-1049803

SCALE 1 GROSS WT.	72260 LB
SCALE 3 TARE WT.	33000 LB
NET WEIGHT	39260 LB

Qty	Description
19.63	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 13236
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 188
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:08:50
DATE OUT: 06/24/2019 TIME OUT: 10:08:50
Job: PHLF19067N

INBOUND TICKET Number: 01-1049805

SCALE 1 GROSS WT.	61720 LB
STORED TARE WT.	30706 LB
NET WEIGHT	31014 LB

Qty	Description
15.51	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 9E36645
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 189
Trailer: 99

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:13:23
DATE OUT: 06/24/2019 TIME OUT: 10:35:19
Job: PHLF19067N

INBOUND TICKET Number: 01-1049810

SCALE 1 GROSS WT.	65580 LB
SCALE 3 TARE WT.	32640 LB
NET WEIGHT	32940 LB

Qty	Description
16.47	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E24458-22
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 190

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 13:04:12
DATE OUT: 06/24/2019 TIME OUT: 13:25:26
Job: PHLF19067N

INBOUND TICKET Number: 01-1049969

SCALE 1 GROSS WT.	66900 LB
SCALE 3 TARE WT.	31000 LB
NET WEIGHT	35900 LB

Qty	Description
17.95	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 193

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:14:55
DATE OUT: 06/24/2019 TIME OUT: 14:52:17
Job: PHLF19067N

INBOUND TICKET Number: 01-1050021

SCALE 1 GROSS WT.	72920 LB
SCALE 3 TARE WT.	32880 LB
NET WEIGHT	40040 LB

Qty	Description
20.02	Profile Soil-T ADC

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(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: W502
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 192

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:16:06
DATE OUT: 06/24/2019 TIME OUT: 14:16:06
Job: PHLF19067N

INBOUND TICKET Number: 01-1050024

SCALE 1 GROSS WT.	74620 LB
STORED TARE WT.	33360 LB
NET WEIGHT	41260 LB

Qty	Description
20.63	Profile Soil-T ADC

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(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9F43726-79
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 191

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:28:22
DATE OUT: 06/24/2019 TIME OUT: 15:01:03
Job: PHLF19067N

INBOUND TICKET Number: 01-1050032

SCALE 1 GROSS WT.	69040 LB
SCALE 3 TARE WT.	30280 LB
NET WEIGHT	38760 LB

Qty	Description
19.38	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: #340
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 198

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:32:04
DATE OUT: 06/24/2019 TIME OUT: 14:57:13
Job: PHLF19067N

INBOUND TICKET Number: 01-1050035

SCALE 1 GROSS WT.	74540 LB
SCALE 3 TARE WT.	32560 LB
NET WEIGHT	41980 LB

Qty	Description
20.99	Profile Soil-T ADC

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9E36645
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 199

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:44:40
DATE OUT: 06/24/2019 TIME OUT: 15:03:46
Job: PHLF19067N

INBOUND TICKET Number: 01-1050042

SCALE 1 GROSS WT.	70740 LB
SCALE 3 TARE WT.	32440 LB
NET WEIGHT	38300 LB

Qty	Description
19.15	Profile Soil-T ADC

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X_____
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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 13236
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 194

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:56:44
DATE OUT: 06/24/2019 TIME OUT: 14:56:44
Job: PHLF19067N

INBOUND TICKET Number: 01-1050048

SCALE 1 GROSS WT.	67280 LB
STORED TARE WT.	30706 LB
NET WEIGHT	36574 LB

Qty	Description
18.29	Profile Soil-T ADC

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 9E24458-22
Reference: PHLF19067N
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 184
Trailer: LC= NC DIRT
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 08:49:16
DATE OUT: TIME OUT:
Job: PHLF19067N
INBOUND TICKET Number: 01-1050369

	0 LB
	0 LB
NET WEIGHT	-38800 LB

Qty	Description
-19.40	Profile Soil-T ADC

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X_____
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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 9F43726-79
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 185
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 09:41:57
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050370

	0 LB
	0 LB
NET WEIGHT	-36700 LB

Qty	Description
-18.35	Profile Soil-T ADC

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: W502
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 183
Trailer:
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 09:59:42
DATE OUT: TIME OUT:
Job: PHLF19067N
INBOUND TICKET Number: 01-1050371

	0 LB
	0 LB
NET WEIGHT	-42620 LB

Qty	Description
-21.31	Profile Soil-T ADC

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(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 186
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:01:01
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050372

	0 LB
	0 LB
NET WEIGHT	-37800 LB

Qty	Description
-18.90	Profile Soil-T ADC

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X_____
(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 13236
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 188
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:08:50
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050373

	0 LB
	0 LB
NET WEIGHT	-31014 LB

Qty	Description
-15.51	Profile Soil-T ADC

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(Deputy Signature)

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X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: #340
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 187
Trailer:

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:07:30
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050374

	0 LB
	0 LB
NET WEIGHT	-39260 LB

Qty	Description
-19.63	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 9E36645
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route: 189
Trailer: 99
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 10:13:23
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050375

	0 LB
	0 LB
NET WEIGHT	-32940 LB

Qty	Description
-16.47	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: W502
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 192

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:16:06
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050376

	0 LB
	0 LB
NET WEIGHT	-41260 LB

Qty	Description
-20.63	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: W205
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 193

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:14:55
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050377

	0 LB
	0 LB
NET WEIGHT	-40040 LB

Qty	Description
-20.02	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 9F43726-79
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 191

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:28:22
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050379

	0 LB
	0 LB
NET WEIGHT	-38760 LB

Qty	Description
-19.38	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: #340
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 198

Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:32:04
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050380

	0 LB
	0 LB
NET WEIGHT	-41980 LB

Qty	Description
-20.99	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 9E36645
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 199
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:44:40
DATE OUT: TIME OUT:
Job: PHLF19067N

INBOUND TICKET Number: 01-1050381

	0 LB
	0 LB
NET WEIGHT	-38300 LB

Qty	Description
-19.15	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Renee Fowler
Vehicle ID?: 13236
Reference: PHLF19067N
Haul Cust #: NON-CONFORMING
DriverOn?: N
Route:
Trailer: 194
Origin: REDWOOD CITY
DATE IN: 06/24/2019 TIME IN: 14:56:44
DATE OUT: TIME OUT:
Job: PHLF19067N
INBOUND TICKET Number: 01-1050382

	0 LB
	0 LB
NET WEIGHT	-36574 LB

Qty	Description
-18.29	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

PHLF 19067

JOB # PHLF19067 Redwood City

MAXIMUM AMOUNT: 6,000.00

1052196	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	22.14 TON
1052199	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	22.42 TON
1052202	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	19.05 TON
1052224	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.38 TON
1052235	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	19.63 TON
1052271	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.77 TON
1052274	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	16.70 TON
1052276	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	21.21 TON
1052294	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.73 TON
1052294	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1052297	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.34 TON
1052303	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	21.84 TON
1052364	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	17.65 TON
1052420	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	23.20 TON
1052422	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	21.60 TON
1052429	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	22.53 TON
1052468	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	21.89 TON
1052483	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	15.52 TON
1052496	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.79 TON
1052497	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	15.09 TON
1052498	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	19.47 TON
1052555	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.45 TON
1052555	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1052583	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	21.20 TON
1052585	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.36 TON
1052589	7/1/19	12:00:00 AM AB CONSTRUCTION INC.	20.62 TON
1052712	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	22.40 TON
1052717	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	18.99 TON
1052724	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	16.22 TON
1052737	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	17.57 TON
1052737	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1052757	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	20.13 TON
1052786	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	24.76 TON
1052786	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1052887	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	23.94 TON
1052888	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	20.97 TON
1052950	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	22.95 TON
1052981	7/2/19	12:00:00 AM AB CONSTRUCTION INC.	22.43 TON
1057148	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.27 TON
1057150	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	20.19 TON
1057152	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	22.19 TON
1057162	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.34 TON
1057169	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.89 TON
1057189	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	25.83 TON
1057195	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	21.66 TON
1057203	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	23.55 TON
1057210	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	22.36 TON
1057217	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	16.15 TON
1057218	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	18.29 TON
1057220	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	21.29 TON
1057341	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	21.51 TON
1057342	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	22.03 TON
1057358	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	20.94 TON

JOB # PHLF19067 Redwood City

MAXIMUM AMOUNT: 6,000.00

1057359	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.93 TON
1057383	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	18.36 TON
1057390	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	21.61 TON
1057401	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.17 TON
1057402	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	17.21 TON
1057413	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	22.00 TON
1057414	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	20.46 TON
1057416	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	15.34 TON
1057440	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	21.31 TON
1057448	7/16/19	12:00:00 AM AB CONSTRUCTION INC.	19.77 TON
1057596	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	17.99 TON
1057609	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	20.55 TON
1057612	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	17.81 TON
1057613	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	24.74 TON
1057628	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	23.26 TON
1057629	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	22.16 TON
1057630	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	25.44 TON
1057633	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	20.67 TON
1057634	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	19.06 TON
1057634	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1057643	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	21.34 TON
1057647	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	22.66 TON
1057780	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	24.11 TON
1057781	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	24.06 TON
1057792	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	22.51 TON
1057794	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	23.84 TON
1057813	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	22.82 TON
1057826	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	20.04 TON
1057828	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	20.61 TON
1057828	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1057838	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	21.28 TON
1057846	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	24.56 TON
1057846	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1057851	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	26.27 TON
1057851	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	- LOAD
1057856	7/17/19	12:00:00 AM AB CONSTRUCTION INC.	22.35 TON
1058013	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	20.93 TON
1058014	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	25.18 TON
1058016	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	21.15 TON
1058039	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	21.67 TON
1058041	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	22.64 TON
1058054	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	21.46 TON
1058055	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	23.04 TON
1058118	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	16.86 TON
1058211	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	23.43 TON
1058215	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	23.53 TON
1058230	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	22.45 TON
1058241	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	21.31 TON
1058254	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	18.03 TON
1058261	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	24.34 TON
1058275	7/18/19	12:00:00 AM AB CONSTRUCTION INC.	22.55 TON
1058470	7/19/19	12:00:00 AM AB CONSTRUCTION INC.	25.29 TON
1058471	7/19/19	12:00:00 AM AB CONSTRUCTION INC.	24.58 TON

JOB # PHLF19067 Redwood City

MAXIMUM AMOUNT: 6,000.00

1058494	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	21.66 TON
1058501	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	26.04 TON
1058688	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	24.22 TON
1058690	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	25.23 TON
1058717	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	22.50 TON
1058736	7/19/19	12:00:00 AM	AB CONSTRUCTION INC.	25.21 TON
1061050	7/26/19	12:00:00 AM	AB CONSTRUCTION INC.	22.62 TON
1061056	7/26/19	12:00:00 AM	AB CONSTRUCTION INC.	22.42 TON
1061246	7/26/19	12:00:00 AM	AB CONSTRUCTION INC.	21.29 TON
1061261	7/26/19	12:00:00 AM	AB CONSTRUCTION INC.	23.83 TON
				2,307.18

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: T526
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 218
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 08:39:03
DATE OUT: 07/01/2019 TIME OUT: 08:56:43
Job: PHLF19067

INBOUND TICKET Number: 01-1052196

SCALE 1 GROSS WT.	78240 LB
SCALE 3 TARE WT.	33960 LB
NET WEIGHT	44280 LB

Qty	Description
22.14	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: ST202
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 219
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 08:42:36
DATE OUT: 07/01/2019 TIME OUT: 09:01:21
Job: PHLF19067

INBOUND TICKET Number: 01-1052199

SCALE 1 GROSS WT.	75760 LB
SCALE 3 TARE WT.	30920 LB
NET WEIGHT	44840 LB

Qty	Description
22.42	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: ST08
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 220
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 08:46:16
DATE OUT: 07/01/2019 TIME OUT: 09:08:05
Job: PHLF19067

INBOUND TICKET Number: 01-1052202

SCALE 1 GROSS WT.	69440 LB
SCALE 3 TARE WT.	31340 LB
NET WEIGHT	38100 LB

Qty	Description
19.05	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: T001
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 226
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 09:12:41
DATE OUT: 07/01/2019 TIME OUT: 09:31:05
Job: PHLF19067

INBOUND TICKET Number: 01-1052224

SCALE 1 GROSS WT.	71080 LB
SCALE 3 TARE WT.	30320 LB
NET WEIGHT	40760 LB

Qty	Description
20.38	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: #PB32
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 225
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 09:23:01
DATE OUT: 07/01/2019 TIME OUT: 09:45:44
Job: PHLF19067

INBOUND TICKET Number: 01-1052235

SCALE 1 GROSS WT.	71200 LB
SCALE 3 TARE WT.	31940 LB
NET WEIGHT	39260 LB

Qty	Description
19.63	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: ST205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 222
Trailer: RETARE

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:04:33
DATE OUT: 07/01/2019 TIME OUT: 10:23:38
Job: PHLF19067

INBOUND TICKET Number: 01-1052271

SCALE 1 GROSS WT.	66500 LB
SCALE 3 TARE WT.	24960 LB
NET WEIGHT	41540 LB

Qty	Description
20.77	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 0131
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 224
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:06:16
DATE OUT: 07/01/2019 TIME OUT: 10:06:16
Job: PHLF19067

INBOUND TICKET Number: 01-1052274

SCALE 1 GROSS WT.	59300 LB
STORED TARE WT.	25900 LB
NET WEIGHT	33400 LB

Qty	Description
16.70	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn Deleon
Vehicle ID?: 03797J2
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 223
Trailer:
Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:07:16
DATE OUT: 07/01/2019 TIME OUT: 10:07:16
Job: PHLF19067
INBOUND TICKET Number: 01-1052276

SCALE 1 GROSS WT.	67500 LB
STORED TARE WT.	25080 LB
NET WEIGHT	42420 LB

Qty	Description
21.21	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: #888
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: UNCOVERED FINAL WARNING
Trailer: 227

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:28:42
DATE OUT: 07/01/2019 TIME OUT: 10:50:43
Job: PHLF19067

INBOUND TICKET Number: 01-1052294

SCALE 1 GROSS WT.	72640 LB
SCALE 3 TARE WT.	31180 LB
NET WEIGHT	41460 LB

Qty	Description
20.73	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 0033
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 228

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:31:49
DATE OUT: 07/01/2019 TIME OUT: 10:52:07
Job: PHLF19067

INBOUND TICKET Number: 01-1052297

SCALE 1 GROSS WT.	74500 LB
SCALE 3 TARE WT.	33820 LB
NET WEIGHT	40680 LB

Qty	Description
20.34	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: WP72241-02
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 221

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 10:35:36
DATE OUT: 07/01/2019 TIME OUT: 10:56:39
Job: PHLF19067

INBOUND TICKET Number: 01-1052303

SCALE 1 GROSS WT.	76360 LB
SCALE 3 TARE WT.	32680 LB
NET WEIGHT	43680 LB

Qty	Description
21.84	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9F75339-29
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: MEHAR SINGH VEST
Trailer: 229

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 11:47:03
DATE OUT: 07/01/2019 TIME OUT: 12:04:50
Job: PHLF19067

INBOUND TICKET Number: 01-1052364

SCALE 1 GROSS WT.	65200 LB
SCALE 3 TARE WT.	29900 LB
NET WEIGHT	35300 LB

Qty	Description
17.65	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: ST202
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 231

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 12:57:27
DATE OUT: 07/01/2019 TIME OUT: 13:24:09
Job: PHLF19067

INBOUND TICKET Number: 01-1052420

SCALE 1 GROSS WT.	77100 LB
SCALE 3 TARE WT.	30700 LB
NET WEIGHT	46400 LB

Qty	Description
23.20	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: ST08
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 232

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 12:58:36
DATE OUT: 07/01/2019 TIME OUT: 13:22:27
Job: PHLF19067

INBOUND TICKET Number: 01-1052422

SCALE 1 GROSS WT.	74320 LB
SCALE 3 TARE WT.	31120 LB
NET WEIGHT	43200 LB

Qty	Description
21.60	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: T526
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 230

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 13:05:28
DATE OUT: 07/01/2019 TIME OUT: 13:30:07
Job: PHLF19067

INBOUND TICKET Number: 01-1052429

SCALE 1 GROSS WT.	78820 LB
SCALE 3 TARE WT.	33760 LB
NET WEIGHT	45060 LB

Qty	Description
22.53	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: T001
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 233

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 13:53:58
DATE OUT: 07/01/2019 TIME OUT: 14:12:27
Job: PHLF19067

INBOUND TICKET Number: 01-1052468

SCALE 1 GROSS WT.	73900 LB
SCALE 3 TARE WT.	30120 LB
NET WEIGHT	43780 LB

Qty	Description
21.89	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 0131
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 235
Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 14:09:14
DATE OUT: 07/01/2019 TIME OUT: 14:09:14
Job: PHLF19067
INBOUND TICKET Number: 01-1052483

SCALE 1 GROSS WT.	56940 LB
STORED TARE WT.	25900 LB
NET WEIGHT	31040 LB

Qty	Description
15.52	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: #PB32
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 234

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 14:29:14
DATE OUT: 07/01/2019 TIME OUT: 14:49:34
Job: PHLF19067

INBOUND TICKET Number: 01-1052496

SCALE 1 GROSS WT.	73700 LB
SCALE 3 TARE WT.	32120 LB
NET WEIGHT	41580 LB

Qty	Description
20.79	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 03797J2
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 237
Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 14:32:32
DATE OUT: 07/01/2019 TIME OUT: 14:32:32
Job: PHLF19067
INBOUND TICKET Number: 01-1052497

SCALE 1 GROSS WT.	55260 LB
STORED TARE WT.	25080 LB
NET WEIGHT	30180 LB

Qty	Description
15.09	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: ST205
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 236

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 14:33:39
DATE OUT: 07/01/2019 TIME OUT: 14:33:39
Job: PHLF19067

INBOUND TICKET Number: 01-1052498

SCALE 1 GROSS WT.	63900 LB
STORED TARE WT.	24960 LB
NET WEIGHT	38940 LB

Qty	Description
19.47	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: WP72241-02
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 238

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 15:46:41
DATE OUT: 07/01/2019 TIME OUT: 16:04:05
Job: PHLF19067

INBOUND TICKET Number: 01-1052555

SCALE 1 GROSS WT.	73300 LB
SCALE 3 TARE WT.	32400 LB
NET WEIGHT	40900 LB

Qty	Description
20.45	Profile Soil-T ADC
1.00	WARNING

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 0033
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 239

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 16:35:43
DATE OUT: 07/01/2019 TIME OUT: 16:50:58
Job: PHLF19067

INBOUND TICKET Number: 01-1052583

SCALE 1 GROSS WT.	75940 LB
SCALE 3 TARE WT.	33540 LB
NET WEIGHT	42400 LB

Qty	Description
21.20	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: #888
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 240

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 16:47:11
DATE OUT: 07/01/2019 TIME OUT: 17:05:00
Job: PHLF19067

INBOUND TICKET Number: 01-1052585

SCALE 1 GROSS WT.	71860 LB
SCALE 3 TARE WT.	31140 LB
NET WEIGHT	40720 LB

Qty	Description
20.36	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Janee Quinonez
Vehicle ID?: 9F75339-29
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route:
Trailer: 241

Origin: REDWOOD CITY
DATE IN: 07/01/2019 TIME IN: 17:16:41
DATE OUT: 07/01/2019 TIME OUT: 17:30:59
Job: PHLF19067

INBOUND TICKET Number: 01-1052589

SCALE 1 GROSS WT.	71120 LB
SCALE 3 TARE WT.	29880 LB
NET WEIGHT	41240 LB

Qty	Description
20.62	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST202
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 243
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 08:30:36
DATE OUT: 07/02/2019 TIME OUT: 08:51:28
Job: PHLF19067

INBOUND TICKET Number: 01-1052712

SCALE 1 GROSS WT.	75980 LB
SCALE 3 TARE WT.	31180 LB
NET WEIGHT	44800 LB

Qty	Description
22.40	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST08
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 244
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 08:34:50
DATE OUT: 07/02/2019 TIME OUT: 08:56:59
Job: PHLF19067

INBOUND TICKET Number: 01-1052717

SCALE 1 GROSS WT.	69840 LB
SCALE 3 TARE WT.	31860 LB
NET WEIGHT	37980 LB

Qty	Description
18.99	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 342
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 246
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 08:46:23
DATE OUT: 07/02/2019 TIME OUT: 09:02:37
Job: PHLF19067

INBOUND TICKET Number: 01-1052724

SCALE 1 GROSS WT.	64880 LB
SCALE 3 TARE WT.	32440 LB
NET WEIGHT	32440 LB

Qty	Description
16.22	Profile Soil-T ADC

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #888
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 245
Trailer: NO TARP WARNING
Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 09:09:25
DATE OUT: 07/02/2019 TIME OUT: 09:24:30
Job: PHLF19067
INBOUND TICKET Number: 01-1052737

SCALE 1 GROSS WT.	66520 LB
SCALE 3 TARE WT.	31380 LB
NET WEIGHT	35140 LB

Qty	Description
17.57	Profile Soil-T ADC
1.00	WARNING

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.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: T16
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 247
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 09:28:38
DATE OUT: 07/02/2019 TIME OUT: 09:54:19
Job: PHLF19067

INBOUND TICKET Number: 01-1052757

SCALE 1 GROSS WT.	70000 LB
SCALE 3 TARE WT.	29740 LB
NET WEIGHT	40260 LB

Qty	Description
20.13	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: T526
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 242
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 10:14:27
DATE OUT: 07/02/2019 TIME OUT: 10:29:22
Job: PHLF19067

INBOUND TICKET Number: 01-1052786

SCALE 1 GROSS WT.	82940 LB
SCALE 3 TARE WT.	33420 LB
NET WEIGHT	49520 LB

Qty	Description
24.76	Profile Soil-T ADC
3.00	OVERWEIGHT FEE

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST202
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 248
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 12:30:12
DATE OUT: 07/02/2019 TIME OUT: 13:00:52
Job: PHLF19067

INBOUND TICKET Number: 01-1052887

SCALE 1 GROSS WT.	78860 LB
SCALE 3 TARE WT.	30980 LB
NET WEIGHT	47880 LB

Qty	Description
23.94	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST08
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 249
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 12:32:30
DATE OUT: 07/02/2019 TIME OUT: 12:59:43
Job: PHLF19067

INBOUND TICKET Number: 01-1052888

SCALE 1 GROSS WT.	73320 LB
SCALE 3 TARE WT.	31380 LB
NET WEIGHT	41940 LB

Qty	Description
20.97	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: #888
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 250
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 14:05:35
DATE OUT: 07/02/2019 TIME OUT: 14:32:47
Job: PHLF19067

INBOUND TICKET Number: 01-1052950

SCALE 1 GROSS WT.	77100 LB
SCALE 3 TARE WT.	31200 LB
NET WEIGHT	45900 LB

Qty	Description
22.95	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: T526
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 251
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/02/2019 TIME IN: 15:29:17
DATE OUT: 07/02/2019 TIME OUT: 15:50:59
Job: PHLF19067

INBOUND TICKET Number: 01-1052981

SCALE 1 GROSS WT.	78080 LB
SCALE 3 TARE WT.	33220 LB
NET WEIGHT	44860 LB

Qty	Description
22.43	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 5911
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 253
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/16/2019 TIME IN: 08:29:59
DATE OUT: 07/16/2019 TIME OUT: 08:49:15
Job: PHLF19067

INBOUND TICKET Number: 01-1057148

SCALE 1 GROSS WT.	71980 LB
SCALE 3 TARE WT.	33440 LB
NET WEIGHT	38540 LB

Qty	Description
19.27	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST08
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 252
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/16/2019 TIME IN: 08:31:56
DATE OUT: 07/16/2019 TIME OUT: 08:52:31
Job: PHLF19067

INBOUND TICKET Number: 01-1057150

SCALE 1 GROSS WT.	72080 LB
SCALE 3 TARE WT.	31700 LB
NET WEIGHT	40380 LB

Qty	Description
20.19	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: ST202
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 254
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/16/2019 TIME IN: 08:38:27
DATE OUT: 07/16/2019 TIME OUT: 09:00:50
Job: PHLF19067

INBOUND TICKET Number: 01-1057152

SCALE 1 GROSS WT.	75660 LB
SCALE 3 TARE WT.	31280 LB
NET WEIGHT	44380 LB

Qty	Description
22.19	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Natosha S
Vehicle ID?: 9E81172-22
Reference: PHLF19067
Haul Cust #: REDWOOD CITY
DriverOn?: N
Route: 255
Trailer:

Origin: REDWOOD CITY
DATE IN: 07/16/2019 TIME IN: 08:53:21
DATE OUT: 07/16/2019 TIME OUT: 09:12:05
Job: PHLF19067

INBOUND TICKET Number: 01-1057162

SCALE 1 GROSS WT.	70340 LB
SCALE 3 TARE WT.	31660 LB
NET WEIGHT	38680 LB

Qty	Description
19.34	Profile Soil-T ADC

WEIGHMASTER CERTIFICATE:

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X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)