

REQUEST FOR QUALIFICATIONS

TO PREPARE LANDSCAPE AND CIVIL CONTRACT DOCUMENTS, PROJECT ESTIMATES AND PROVIDE CONSTRUCTION SUPPORT FOR THE RIVERTOWN COMMUNITY SPACE (P.W. 514-7)

Proposals Due: May 20, 2022 at 4:00 PM

Public Works Department Capital Improvements Division 200 "H" Street Antioch, CA 94509 (925) 779-7050

INTRODUCTION

The City of Antioch desires to retain the services of a qualified consulting firm or team with landscape architectural and civil engineering expertise to perform extensive community outreach, develop alternative concepts, prepare plans, specifications, and project estimates as well as provide construction support for improvements to the Antioch Lumber Company Yard that will transform the area into a family friendly public space. The City expects project design to be completed by summer of 2023.

The deadline for submission of qualifications for this work is 4:00 p.m., May 20, 2022.

BACKGROUND

The subject area is approximately three quarters of an acre in size and located to the northeast of the intersection of 'E' and West 3rd Streets and includes two parcels, APNs 006-055-001 and 066-041-004. This area was formerly utilized by the Antioch Lumber Company and believed to have included offices, storerooms, milling operations and lumber storage areas. Currently, the site is void of structures and contains sparse vegetation. A copy of the Phase II Environmental Site Assessment of the property that was completed on August 21, 2020 has been attached.

The successful consultant will be responsible for revitalizing this location by transforming it into a beautiful, public open space for all residents to enjoy. It is expected that this project will require collaborative efforts with the various City Boards and Commissions, residents and other stakeholders. The consultant will be required to participate in community engagement activities as necessary to keep the public and City Council informed of project progress.

SCOPE OF WORK

The selected Consultant shall be expected to perform all tasks required to design a complete project, including but not limited to, alternative analysis, engineering design, environmental permitting, utility coordination, surveying, public outreach, engineering support during the contract bidding and award process and engineering support services during the construction phase on an "as-needed" basis.

FORMAT OF THE STATEMENT OF QUALIFICATIONS

The submittal is to be prepared in a bound 8 ½" x 11" format limited to approximately 15 pages, including brochures. Covers, dividers are not included in the page count. In addition, any information that needs to be returned should not be submitted. The Consultant is requested to include the following information in the SOQ. It is expected that the SOQs will follow the order listed below:

- Cover Letter introducing the firm and describing why you want to be considered.
 Provide location of the office that will be performing the work
- Organization Chart for the Project Team
- Brief Information for Key Staff including education, directly related experience, description of their assignment on this project, and résumé
- A list of proposed sub-consultants, and a description of their proposed services
- Summary of the Company's Relative Experience and Performance
- Summary of Approach for Completing the Work
- Detailed Scope of Work of Activities Required
- List of contracts/agreements terminated for convenience or default within the past three years, if any.
 - List any litigation that now affects or may affect in the future consultant firm's ability to perform.
- Confirm your firms' ability to meet contract & insurance requirements.
- Anticipated Labor Effort by Task and Classification for Each Activity
- Milestone schedule for Project Completion

CONSULTANT SELECTION PROCESS

Enclosed is a copy of the City of Antioch's Consultant Service Agreement. By submitting a proposal for this work, a firm agrees to comply with all terms and conditions outlined in the agreement.

It is anticipated that from the proposals submitted, City staff will be able to select the firm best suited to meet the City's needs. However, if that is not possible, the City will ask a "short list" of firms to meet with staff to discuss the project and the firm's proposal. The City will negotiate a professional services contract for the work after staff has determined the best qualified firm.

No compensation will be due any firm for preparation of a written proposal or for meeting with staff after a "short list" has been determined.

The selected firm will receive a notice to proceed after the City Council has approved their contract.

CRITERIA FOR SELECTION

All proposals will be evaluated based on the criteria below.

- Qualifications and experience with similar projects 30 points
- Understanding of the scope and potential challenges 25 points
- References 15 points
- Organization of proposal 10 points
- Familiarity with applicable standards and procedures 10 points
- Schedule of work 10 points

SUBMISSION INSTRUCTIONS

Three (3) bound, and one (1) electronic copy of the proposal <u>must be submitted no later</u> than 4:00 p.m. on May 20, 2022 to:

Scott Buenting
City of Antioch
Capital Improvements Division
200 H Street
Antioch, CA 94509

Interviews will be conducted if there is not an outstanding response, and two or three firms are very close in evaluation points. The City anticipates awarding the agreement for this work on June 14, 2022. Any questions regarding the above should be directed to Capital Improvements Division at (925) 779-7050; or cip@antiochca.gov.

Attachments

- A: Vicinity Map
- B: Phase II, Environmental Service Assessment
- C. City of Antioch Consultant Services Agreement

ATTACHMENT "A"

San Joaquin River Wilbur Avenue A Street W 10th Street **G** Street PROJECT LOCATION W 2nd Street L Street W 4th Street Sycamore Drive

VICINITY MAP

ATTACHMENT "B"

PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

For the
Antioch Lumber Company Yard
E Street at 2nd Street
Parcels #066055001 and 066041004
Antioch, California

Prepared for the City of Antioch by Trident Environmental and Engineering, Inc. 110 L Street, Suite 1 Antioch, CA 94509 www.tridenteng.com

> August 31, 2020 Project No.: 19-042-01

PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

The material and data in this Report were prepared by or under the direction of the undersigned.

Trident Environmental and Engineering, Inc.

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August 31, 2020

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Principal



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Analytical Results

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Table 2: Sample and Analysis Matrix

Table 3a: Sample Analytical Results for Metals in SoilTable 3b: Sample Analytical Results for Organics in Soil

Table 4a: Sample Analytical Results for Metals in Groundwater Table 4b: Sample Analytical Results for Organics in Groundwater

Table 5: Non-Detect Limits

APPENDICES

I. Drilling Permits / USA Tickets

II. Soil Boring Logs

III. Laboratory Analytical Results, ESLs and Chain of Custody

HP-1 Groundwater Sample Rerun Results

Chromatographs for Soil and Groundwater Samples

1.0 INTRODUCTION

1.1 General

This Phase II Environmental Site Investigation Report (Report) has been prepared on behalf of the City of Antioch (hereinafter referred to as the "City") by Trident Environmental and Engineering, Inc. (Trident). This report is for field work, sampling, and associated laboratory analyses that were performed as part of a Phase II Environmental Site Investigation of two parcels owned by the City, on July 14, 2020. The purpose of the work was to evaluate current soil and groundwater conditions at the site to plan site usage.

1.2 Site Description/ Background

The Property that was investigated is the former Antioch Lumber Company Yard, (Figure 1). It consists of portions of two parcels that are currently owned by the City in downtown Antioch. The Property is defined as the entire West Parcel and a 0.3-acre portion of the East Parcel, as shown on Figure 2. The Parcels are vacant gravel covered lots. No structures are present.

Parcel #066055001 - the West Parcel

The parcel is rectangular and is bordered on the north by 2nd Street, on the west by E Street, the south by 3rd Street, and on the east by the extension of D Street. Borings 1 - 6 were located here.

Parcel #066041004 - The East Parcel

Only the extreme western area of Parcel #066041004 is part of the property of concern. The area is triangular and is bordered on the west by the extension of D Street, the south by 3rd Street, and the northwest by A Street. Boring 7 was located here.

Both parcels are zoned Commercial. Surrounding properties are a mix of commercial and residential properties. A map showing the general Site location is presented as Figure 1. A detailed map illustrating the main features of the Property and borings is provided on Figure 2.

The Parcels have a long history of use as a lumber yard. The Phase I Report has a thorough history. The City is interested in possibly redeveloping the Property.

1.3 Environmental Concerns

Trident completed Phase I ESA's for the Property on October 22, 2019 and February 2020 that identified the following Recognized Environmental Conditions (RECs):

- The historical use as a lumber yard.
- The adjoining property had the historical presence of a gasoline petroleum tank in immediately adjacent portions of the railroad right-of-way.

To determine if legacy environmental impacts remain at the Site, Trident recommended that a Phase II investigation be completed. Common contaminants related with these RECs include volatile organic compounds (VOCs), metals (in particular, arsenic, chromium and similar metals) and wood preservatives. See Trident Site-Specific Sampling and Analysis Plan dated February 28, 2020.

1.4 Objectives

The purpose of the Phase II sampling work is to evaluate if historical use of the Property or adjacent land resulted in soil or groundwater contamination at the Property. This assessment will determine if the Lumber Yard that formerly operated on the Property resulted in a release to soil, and evaluate the type and extent. The results of the sampling conducted by Trident are being provided to the City to determine redevelopment options with respect to potential contaminated materials management.

Following are key observations by Trident, relevant to developing a scope for assessment activities:

- **General constituents of concern** The primary constituents of concern were potential wood preservatives, related to historical presence of a lumber yard, which were the focus for assessment activities. Wood treatment chemicals that may have been released, and petroleum products were the target of the sampling and analyses in soil and groundwater in this Phase of the investigation
- Assessment of potential historical release areas Based on historical Property and adjacent land use, Trident has investigated both parcels.

2.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

2.1 Geology

The following geological information was provided in the report "Geotechnical Investigation Report, Delta Cove, Antioch, California", dated June 2, 1993, by Kleinfelder.

2.1.1 Regional

The site is located in the Diablo Range member of the Coast Range Geologic Province, which consists of several series of northwest trending mountains and valleys. The region has undergone a complex geologic history of sedimentation, volcanism, folding, faulting, uplift, and erosion. Bedrock outcrops were not mapped in the vicinity of the site. The bedrock consists of non-marine sedimentary and probably volcanic rocks.

2.1.2 Local

The Site is located within the Rancho Los Medanos Basin which is situated along the southern banks of the San Joaquin River and the northern flank of Mount Diablo. The regional topography in the Rancho Los Medanos Basin is relatively flat. This basin is characterized by rolling hills, rounded slopes, and broad valleys dissected by ephemeral streams. The prominent geologic structure in the vicinity of the site is the Mount Diablo Mountains with elevations ranging from 900 to 3,849 feet.

"In general, the site is located on reclaimed land along the south bank of the San Joaquin River. According to T.H. Nilsen and J.D. Sims (1975), the site is underlain by marshland and alluvial terrace deposits. The thicknesses of the deposits are not known but is estimated to be on the order of 20 to 200 feet".

2.1.3 Site

An on-site investigation was conducted by *Trident* on July 10, 2020 and included advancing seven soil borings to a maximum depth of 15 feet below grade. Soils encountered in the borings consisted of fill material (silt with fine-grained to coarse-grained gravel) from the surface to approximately 4 feet below grade and silty clay/clayey silt or silty clay to the maximum depth explored in each boring.

2.1.4 Faulting and Seismicity and more applicable as a manufacture of the second and the second

"The site and the entire San Francisco Bay Area are seismically dominated by the presence of the active San Andreas Fault system". This fault system is the general boundary between the northwestward moving North American Plate (east of the fault) and the faster northwestward moving Pacific Plate (west of the fault). The site is on the North American plate.

In the Bay Area, this movement is distributed across a complex system of generally strike-slip, right lateral parallel and sub-parallel faults, which include the San Andreas, and its associated side branches the Hayward, and Calaveras Faults, among others.

In the immediate vicinity of the site, the active Concord Fault is located approximately 12 miles to the southwest. The active Calaveras, Hayward, and San Andreas Faults lay approximately 17.5, 25.5, and 44 miles to the southwest, respectively. Several other active faults in the area include the active Greenville Fault located 7 miles to the southeast and Green Valley Fault located 24 miles to the northwest. It is noted that because of the lack of geological evidence, the California Division of Mine and Geology (CDMG) no longer considers the Antioch Fault as an active fault and is removing the Antioch Fault from their special study program. The site is not located within the California Alquist-Priolo Special Study Zone and no mapped fault traces are known to transverse the site. Therefore, the risk of having ground rupture within the limits of the site is considered to be low.

2.2 Hydrogeology

2.2.1 Local

The nearby A Street extension wells (approximately 650 feet east of the site), are at the same approximate ground elevation, 10 to 14 feet above Mean Sea Level (MSL), and at approximately the same distance of about 150 feet from the San Joaquin River as the site. The depth to groundwater in wells MW-2 and MW-3 at the A Street extension property ranges from about 4 to 6.5 feet below grade, which is less than 3 to 5.7 feet above MSL. Based on surface topography, groundwater flow direction beneath the site vicinity is assumed to flow to the north towards the San Joaquin River.

2.2.2 Site

During the site investigation on July 10, 2020, groundwater was encountered in two borings (SB-1 and SB-7) at depths of 13 to 13.5 feet below grade. Site-specific groundwater flow direction is unknown.

3.0 FIELD METHODOLOGY

Prior to commencing field work, Trident personnel prepared a Work Plan and Health and Safety Plan, obtained boring permits from the Contra Costa County Environmental Health Division (CCCEHD), and contacted Underground Service Alert (USA) for underground utility location. USA tickets are attached as Appendix I. Drilling permits were obtained from the Contra Costa County Health Department, Land Use Division (see Appendix I).

On July 10, 2020, Trident oversaw Cascade Drilling Company using Geoprobe direct push technology for soil and groundwater sample collection from boreholes at the site. Mr. Robert Gribben of the Contra Costa County Environmental Health Department (CCCEHD) gave permission to complete and grout the boreholes without his onsite observation.

3.1 General

Sampling borings and analyses were based on the environmental concerns and assessment requirements detailed in Sections 1.3 and 2.2, respectively, of the Phase I Report. Soil samples were collected from all seven of the boreholes. An attempt was made to collect a groundwater sample from four of the seven boreholes, however, groundwater only entered two of the boreholes for groundwater sample collection.

Table 2, the Sample and Analysis Matrix, presents the type of sample, soil or groundwater, taken at each boring (SB 1 - SB 7), and the analyses run.

Investigative-derived waste (i.e. soil cuttings and fluids) was placed into a labeled five-gallon container. Appropriate disposal by the City of the waste was determined based on the results of laboratory analyses.

3.1.1 Health and Safety

A site specific HSS plan was submitted to the CCCEDH, approved, and followed.

3.2 Soil Boring and Subsurface Assessment

The soil assessment included seven (7) soil borings advanced using direct-push soil sampling equipment. Boring locations and depths were chosen after considering specific environmental concerns within each area. Soil samples (designated **SB**) were collected and analyzed with reference to Table 2, the Sample and Analysis Matrix. At each boring, the geoprobe penetrated to 15 feet bgs unless **soil refusal** occurred (refusals are noted in the boring logs, Appendix II).

The depth that each soil sample was taken is encoded in the sample's name, after the hyphen. For example, "SB 2-5" was taken from boring 2 at five feet bgs. This convention is used in Table 2 and in the presentation of the analytical results.

The laboratory analyses are presented in Table 1.

3.2.1 Soil Sample Methodology Details

The site was divided by a grid into seven (7) cells (areas). For sample borings, see Figure 2.

Soil Sampling was conducted on July 10th by Lita Freeman, California Professional Geologist and Jesse Wilson E.I.T., as follows:

A geoprobe rig was used to obtain two (2) soil samples at a depth of 2 and 5 feet below grade, at all seven (7) boring locations for a total of fourteen (14) soil samples. Samples were taken from the center of each cell in the grid. Samples and cuttings obtained during drilling were classified and logged according to the Unified Soils Classification System (USCS) by the onsite geologist, Lita Freeman P.G., and described in terms of color, texture, plasticity, mineralogy, and moisture.

The soil samples were collected in a geoprobe liner. Immediately following collection, soil samples were checked with a photoionization detector (PID) for volatile organic compounds (VOCs) and then logged. They were placed in containers and stored on ice in a cooler. Any visual evidence of contamination was noted on the boring log. Soil samples were submitted to the Laboratory in accordance with Standard Chain of Custody procedures, on the same day of collection. Soil boring logs with groundwater data and PID results are presented in Appendix II.

Soil sampling equipment such as drilling tools were decontaminated prior to arrival on-site and between each boring location. Soil borings were sealed in accordance with Code by backfilling with neat cement after completion of drilling and soil sampling, in reference to the attached permit.

3.2.2 Soil Sampling Decontamination

The driller used thoroughly steam-cleaned equipment prior to drilling the well boreholes. The driller also decontaminated the sampling equipment used for obtaining soil samples between each boring location, and any non-dedicated equipment that might come in contact with soil or groundwater.

The waste soil cuttings and samples were collected in a 5-gallon container, sealed, labeled, and stored at Trident pending the completion of laboratory analysis and determination of disposal restrictions, if any. As appropriate, waste soil was handled, transported, and disposed per Federal and State requirements by the City. The generator of the waste was the City of Antioch.

After each sampling event, the plastic-sleeved soil cores were placed on a plastic covered work surface. The geologist selected the appropriate core to preserve and submit to the laboratory. The sleeved core was then covered at both ends with Teflon® foil, capped, labeled, and then placed on ice in a cooler pending delivery to a State-certified laboratory.

Soil samples were collected in accordance with the Sampling Procedures and Quality Assurance/Quality Control (QA/QC) Plan, which is available upon request. To prevent cross contamination between samples, nitrile gloves (worn while sampling) were changed after each sampling and sampling equipment was decontaminated.

3.2.3 Groundwater Sampling Methods

At four (4) of the selected borings, a hydropunch was employed from 0 to 15 feet for groundwater sampling. The selected borings designated "**HP**", and the analyses run are given in Table 2. However, only two groundwater samples could be taken due to soil refusal in Borings 1 and 5. Depths to groundwater were measured upon stabilization, when and where possible. Upon stabilization, water samples were obtained via peristaltic pump. The subsurface silty soil documented at the Site allowed sufficient groundwater to accumulate in the in the two borings.

The measured groundwater levels were used to document the approximate depth to groundwater at the Property. Measurement of groundwater depth is often limited by the small diameter of the

probe itself, capillary movement, and inconsistencies of the water bearing zone. In addition, note that the site could be susceptible to the river tides that can vary up to 5 feet, due to the close proximity to the river.

After measuring the groundwater levels, the driller pumped the groundwater from the boreholes. Groundwater samples were collected using a peristaltic pump and containerized in laboratory-supplied bottles. Appropriate gloves were worn while sampling and changed between wells. The field geologist labeled each sample container and completed field documentation and chain-of-custody records following the procedures specified in the Work Plan. Table 3 presents the sampling data including, groundwater sampling data.

3.2.4 Groundwater Sampling Decontamination

With the use of disposable tubing, decontamination was unnecessary. To ensure that samples collected are representative and that cross-contamination did not occur, the field geologist decontaminated all re-usable equipment with Alconox and water and with distilled water and changed nitrile gloves before sampling each well.

4.0 LABORATORY ANALYSES

McCampbell Analytical – a State-Certified Laboratory in Pittsburg, California – analyzed the samples in accordance with State and Federal sampling and analysis methodologies. Specifics of the methods, including analytical procedure, accuracy and precision of the methods, limitations on sample retention and other factors, and quality assurance information are available from the laboratory.

4.1 Soil and Groundwater Analyses

McCampbell Laboratory in Pittsburg, CA supplied the appropriate containers. The collected soil and groundwater samples were analyze per the EPA Methods presented in Table 1, and the type, location, depth, medium, and type of analysis is presented in Table 2.

4.2 QA/QC Samples

For the Quality Assurance/Quality Control (QA/QC), duplicate samples from each media were collected and analyzed. The duplicates were analyzed for CAM 17 metals and the TPH scan.

4.3 Laboratory Methodology and Quality Assurance Program

Soil and groundwater samples were analyzed by McCampbell Analytical Laboratory in accordance with State and Federal sampling and analysis methodologies. McCampbell Analytical Inc., of Pittsburg, California is accredited by the California DHS. Their laboratory quality assurance information contains specifics of the methods, including analytical procedure, accuracy and precision of the methods, limitations on sample retention and other factors. It is available through the laboratory.

5.0 INVESTIGATION FINDINGS

Investigative findings for this Site Investigation Report include subsurface lithology, hydrogeology, and soil and groundwater levels of the constituents of concern. Data presented include:

A Map of boring locations for soil and ground water sampling is presented as Figure 2. Soil Boring Logs are presented in Appendix II.

A Summary of Boring Log Findings and Significant Soil and Groundwater Sample Analytical Results is presented as Figure 3. This shows the areas of contamination.

Tables summarizing analytical results for soil and groundwater samples, and comparing the results to applicable soil and groundwater standards, are presented in Tables 3 and 4. Results are compared to applicable soil and groundwater standards.

5.1 Subsurface Lithology

Detailed field descriptions of the geotechnical findings are presented in Appendix II, Soil Boring Logs. Boring locations are shown in Figure 2.

The surface soil, ranging from 1 foot thickness (in SB-3, SB-4, SB-6, and SB-7) to 4 feet thick (in SB-1) is imported fill consisting mainly of fine to course grained gravels. SB-1 has a 2-inch lens of black gravel (possibly slag). SB-7 has some brick fragments. There is no information on when the fill was imported, or the source of the material. It may be as recent as from the construction of the "A" St. extension, built in the early 2000s.

In SB-1 and SB-2 the underlying soils are silty clay to clayey silt (*CL/ML*), dry to very stiff. The other borings have low to medium plasticity, dry, medium stiff silty clay (*CL/CH*).

At or below 10 feet bgs, the soils are hard and resistant to drilling. In SB-2 and SB-5 there was refusal at 14-15 feet bgs.

5.2 Hydrogeology

In the four borings that were drilled to 15 feet depth, the soils were found to be moist at between 8 to 11 feet bgs. However only in SB-1 and SB-7 was there sufficient water to create a "water table" at 13 to 13.5 feet bgs.

With only two borings with sufficient groundwater there is not enough information to establish groundwater flow direction. However, the groundwater in SB-7 rose to 5.81 feet bgs, after nearly three hours. This indicates a serious change in the hydrological pressure regime, most likely due to tidal fluctuations in the river or (abated by) earth tides. (Earth tides are highly unlikely given the soil's stiffness).

During a previous drilling event by Trident (July 25 and 26, 2001) at the nearby tank excavation site just directly east of the subject site, first-encountered groundwater was noted at approximately 15 to 20 feet bgs. Several hours after installing the wells, the field geologist measured groundwater levels in MW-1 at 9.90 feet below top of casing (toc) or 6.9 feet bgs, in MW-2 at 6.12 feet below toc, and in MW-3 at 4.10 feet below toc. Two weeks later, groundwater stabilized below toc in MW-1 at 9.86 feet (6.86 feet bgs), in MW-2 at 6.01 feet, and in MW-3 at 3.83 feet.

During well development on August 7, 2001, the field geologist measured recharge rates of 2 feet per minute. Reference: Trident Report 2001 "A Street Investigation".

5.3 Analytical Results

Laboratory Analytical Reports and Chain of Custody are presented in Appendix III.

Table 3a presents Sample Analytical Results for Metals in Soil.

Table 3b presents Sample Analytical Results for Organics in Soil.

Table 4a presents Sample Analytical Results for Metals in Groundwater.

Table 4b presents Sample Analytical Results for Organics in Groundwater.

Table 5 presents Non-Detect Limits.

Details are as follows:

5.3.1 Soil Findings

McCampbell Analytical (Pittsburg, California) analyzed the designated soil samples for constituents of concern.

Discussion

Organics – Hydrocarbons – Table 36

Hydrocarbons in the motor oil range were found in the shallow soil samples in SB-1-2, SB-3-2, SB-4-1, and SB-7-1 which were obtained from fill material. The chromatographs (presented in Appendix III) show that the hydrocarbon material in all the soil samples are similar. They all peak at about 19.5 minutes and have the same pattern. The amount of diesel is simply a function of the quantity of the material (motor oil), that extends into the diesel range.

The source of the hydrocarbon contaminated fill material is unknown, especially since three of the four positive samples were obtained from imported fill. Additionally, there were several businesses along E Street and 2nd Street, that would likely have used motor oil range compounds as grease.

The Lumberyard had a wagon shop and paint shop nearby at the current Senior Center property. The excavation of "A" Street extension in the early 2000s produced contaminated fill that may have been placed on the subject site. A wood planning mill was directly East of the property.

From a regulatory standards standpoint, all the motor oil concentrations are below the 5,400 mg/kg commercial use level, which is the maximum direct exposure human health risk for commercial use of the site. No oil results are above the Tier 1 ESL level of 1600 mg/kg standard for Residential or Park use.

Other Organics

Some semi-volatile compounds (SVOCs) were found in the analyses. In the soils, only Benzo (g,h,i) perylene was detected at a very low concentration 0.0093 mg/kg (less than 2x the RL) in SB-5-1. This is not an issue.

Metals

In the soil sample results for metals, arsenic was found in five (5) borings: SB-1-2, SB-1-5, SB-3-5, SB-5-5, and SB-7-1. The two shallow samples, at SB-1 and SB-7, were obtained from the fill. The other three were from the native soil at 5-feet bgs.

A review of detected metals concentrations in soil on a dry weight basis in Table 3a shows that some of the detected arsenic concentrations exceed their respective soil ESL values. Arsenic (As) was found in five (5) samples, at concentrations exceeding the ESL of 0.067 mg/kg. The residential shallow soil exposure level for Direct Exposure Human Health level is 0.067. However, most of the detected concentrations are consistent with San Francisco Bay Area background arsenic concentrations where 11 mg/kg has been identified by the SFRWQCB as an acceptable background concentration value for arsenic in the San Francisco Bay Area, except for SB-7.

The other metal of concern is copper (Cu). Three shallow samples; SB-3-2, SB-4-1 and SB-6-2, have copper at concentrations of 270 mg/kg, 250 mg/kg, and 540 mg/kg, respectively, which are slightly above the Tier I ESL of 230 mg/kg. Since two of the three samples were obtained from native soil, the probability that the copper was imported to the soil with fill is low. However, copper compounds, known biocides, are and were extensively used in treating and painting lumber.

The Direct Exposure Human Health level for copper is 3,100 mg/kg. Background copper concentrations in California ranges from 9 mg/kg – 99 mg/kg (Kearny Foundation). The US Air Force data (Hunter) give a range of 12 mg/kg to 52 mg/kg. Thus, these sample results are also above background range levels.

5.3.2 Groundwater Findings

McCampbell Analytical (Pittsburg, California) analyzed the designated groundwater samples for constituents of concern listed in Table 1.

Discussion

Organics - Hydrocarbons

Oil was found in the groundwater in only one boring - SB-1. The results varied. HP-1 had TPH-mo at a concentration of 31,000 ug/l, which is 31 mg/l, a high concentration, especially given that the oil in soil sample SB-1-2 was 870 ug/l, and non-detect (nd) in the lower soil sample SB-1-5. If the oil was from the soil above, this would mean that 3.5% of the "non-soluble" oil dissolved into the groundwater. Another issue with this result was that the duplicate HP-1a was nd. A difference between a sample and a duplicate that differs by more than a few percent is problematic. Both the main sample and the duplicate were rerun. In the second run, the motor oil

concentration in sample HP-1 (repeat) fell to 760 ug/l, and the duplicate HP1a (repeat), was again nd.

The laboratory noted that the sediment in the original HP-1 sample bottle was very high, and apparently released adsorbed oil during the extraction process (using hexane as the standard extractant). The duplicate sample HP-1a had much less sediment, and no TPH-mo was detected. See Figure 4 for photos of the bottles.

Note that the chromatograph of the SB-1 ground water sample of 31,000 ug/l appeared to have the same characteristics as those of soil samples in which oil was found.

Thus, these results are varied and questionable. Basically, the oil results are a function of the groundwater sample sediment amount present in the respective bottle.

Other Organics

In the groundwater at HP-1, chloroform (CHCl₃) was found at 0.63 mg/kg, just above the RL. In HP-7, 2,4- dichlorophenol, di-n-butyl phthalate, and diethyl phthalate (both plasticizers) were found in very low concentrations (less than two times the RL).

Metals

The only metal of concern in the groundwater is vanadium (V). In both groundwater samples HP-1 and HP-7, the vanadium concentration was above the ESL of 19 ug/l (with HP-1a, the duplicate sample being 19 ug/l). The concentrations are still comparatively low at 26 and 36 ug/l.

No elevated concentrations of vanadium were found in the soil. The maximum concentration in the soil samples is 70 mg/kg, well below the ESL of 200 mg/kg.

The source of the vanadium is not known. Possible sources include vanadium naphthenate oxide, 35% in naphthenic acid, which is used as a wood preservative and in road stabilization. There is no documentation concerning any wood preservative chemicals was used onsite, although the facility operates for a very long time.

Another source, common in Antioch, is Sierra Crete, a recycled hazardous waste produced at the nearby DuPont plant, sold for roadbase. However according to the City published maps, Sierra Crete was not used in the roads in the area of the Lumberyard.

Currently there is insufficient evidence to come up with a plausible explanation as to the source and mechanism of transfer to groundwater.

6.0 SENSITIVE RECEPTORS

The sensitive receptors to the site area include the "wetlands" a few dozen feet directly north of the area. The wetlands are the growth on the banks of the San Joaquin River, the major receptor of concern. *Trident* personnel observed no adverse growth conditions in the areas downgradient of the tanks.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The soils contain a limited number of compounds in the fill, native soil, and groundwater, that all seem rather independent and with little to no clear explanation of their presence.

In general, the results indicate that some sample results exceeded ESLs, but the soil contamination is not severe.

If the land use is considered for recreational or residential use, human health-based screening levels apply. Tier 1 ESLs soil applicable are for terrestrial exposure if there is landscaping, onsite living, etc. Arsenic and copper exceeded these ESL limits in several places in the soil. Most arsenic results are near background levels and should not be an issue, except for SB-7.

Copper is elevated and above the Tier 1 ESL of 180 mg/kg a factor in park or residential development. The Direct Exposure Risk Level standard is 3,100 mg/kg for residential use and 47,000 mg/kg for commercial use.

Thus, for development, possible solutions for contaminated soil areas include isolating the contaminated soil under a parking lot or basketball court; and/or importing or excavating clean fill to cover the problem areas. Contaminated soil can also be removed and/or replaced. So a contaminated area could be slated for a parking area, then paved to act as a barrier and sealant to the soil.

Thus, Trident recommends that if there is to be a residential/commercial/park or similar development at the site, that of the surface fill should be further assessed for extent and degree of contamination.

Groundwater issues:

The vanadium findings in the groundwater are above the Tier 1 ESL of 19 ug/l. The initial HP-1 groundwater motor oil result of 31,000 ug/l has no corresponding Tier 1 groundwater ESL value.

Trident recommends that a copy of this report be provided to the Sacramento Regional Water Quality Control Board (RWQCB) for review and determination regarding opening a case for these detected contaminants.

8.0 REFERENCES

Trident Environmental and Engineering, Inc., "Phase I Environmental Site Assessment, Antioch Lumber Company Yard, Antioch, California" (dated October 22, 2019).

Trident Environmental and Engineering, Inc., "Site-Specific Sampling and Analysis Plan, Antioch Lumber Company Yard" (dated February 28, 2020).

Trident "A-Street Investigation" Report (dated 2001).

Kearney Foundation of Soil Science, "Background Concentrations of Trace and Major Elements in California Soils" (D. Silva (ed.)) Division of Agriculture and Natural Resources, University of California. (1996). https://ucanr.edu/sites/poultry/files/297094.pdf

Hunter, P. Inorganic Chemicals in Ground Water and Soil: Background Concentrations at California Air Bases. In: 44th Annual Meeting of the Society of Toxicology. New Orleans, Louisiana, 2005.

Kleinfelder, "Geotechnical Investigation Report, Delta Cove, Antioch, California", June 2, 1993.

LIMITATIONS

Trident's observations, findings, and opinions should not be considered as scientific certainties, but only as opinion based on our professional judgment concerning the significance of the data reviewed in developing this report. Specifically, Trident cannot represent that the Site does not contain or potentially contain any hazardous or toxic materials or other latent conditions beyond that observed by Trident during preparation of this report. Additionally, due to limitations of this investigation process and the necessary use of data furnished by others, Trident and its subcontractors cannot assume liability if actual conditions differ from the information presented in this report.

The proposed services will be conducted by Trident in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No representation expressed or implied, and no warranty or guarantee is included or intended in the Proposal or in any report, opinion rendered or document.

The City of Antioch should recognize that the reliability of recommendations to be produced by the proposed work will depend heavily on the accuracy and completeness of data relating to facility and site conditions. In order to meet schedule and budget considerations, it should be expected that certain data that may affect conclusions will be unavailable. As a result, there will always be a level of uncertainty for which the City of Antioch must be aware. It should be recognized that these uncertainties cannot be entirely eliminated, but that by mutual agreement, Trident can apply certain techniques to help reduce these uncertainties to a level deemed acceptable by the City of Antioch. In any event, the scope of services provided by Trident must be that which the City of Antioch agrees to, or selects, in light of personal risk preferences and other considerations.

Note as part of AAI disclosure requirements: The user of this report will be responsible for:

(1) determining the relationship of the purchase price to the value of the property; (2) disclosure of specialized knowledge, experience or information which may affect the environmental condition of the subject site; and (3) disclosure of any environmental cleanup liens against the property within recorded land title records, if applicable.

This report is for the sole use of the client and its agents. In compliance with State and Federal regulations, *Trident* prepared this report as a third-party independent consultant. Employees, state and local agencies and others supplied the data for preparation of this report. *Trident* worked under the assumption that all data and reference material supplied were true and accurate, and that all relevant environmental information was disclosed to *Trident* during this investigation. All conclusions drawn by *Trident* were interpretations of the data supplied, and subject to the data's accuracy. This report was prepared in compliance with current procedures and accepted practices

Site-Specific Sampling and Analysis Report Ph II Environmental Site Assessment City of Antioch August 31, 2020

(Limitations Cont.)

of the industry. Although every level of effort has gone into reducing risks, potential environmental problems and a certain level of risk may still exist at any level of effort.

Physical changes to a property, from the condition at which it existed during the time our investigation was accomplished, can be brought about by natural or anthropogenic causes. Additionally, the standards of work, which are acceptable to local governing authorities, may be raised during the passage of time, and what is acceptable at this time may not be in the future.

Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies including additional subsurface investigation can tend to reduce the inherent uncertainties associated with studies of this type.

Our services were conducted in a manner consistent with the level of care and skill ordinarily practiced by members of the profession under like circumstance. No other representation, express or implied, and no warranty or guarantee is included or intended in this report. The conclusions and recommendations submitted in this report are based upon sound engineering judgment using information obtained from our review of published data, site reconnaissance, and laboratory testing and analyses. These conclusions and recommendations may change as new, additional data are obtained.

Site-Specific Sampling and Analysis Report Ph II Environmental Site Assessment City of Antioch August 31, 2020

FIGURES



FIGURE 1

Site Location Map





Site-Specific Sampling and Analysis Report Ph II Environmental Site Assessment City of Antioch August 31, 2020

FIGURE 2

Soil and Groundwater Sample Boring Locations Map



Fig 2. Soil and Groundwater Sample Locations - Antioch Lumberyard San Joaquin River Legend 2nd St O Soil Borings Soil Borings with Hydropunch SB-6 SB-4 066055001 066041004 HP-7 SB-3 3rd St Notes Base Map From This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, Contra Costa County -DOIT GIS WGS_1984_Web_Mercator_Auxiliary_Sphere

FIGURE 3Summary of Boring Logs and Analysis



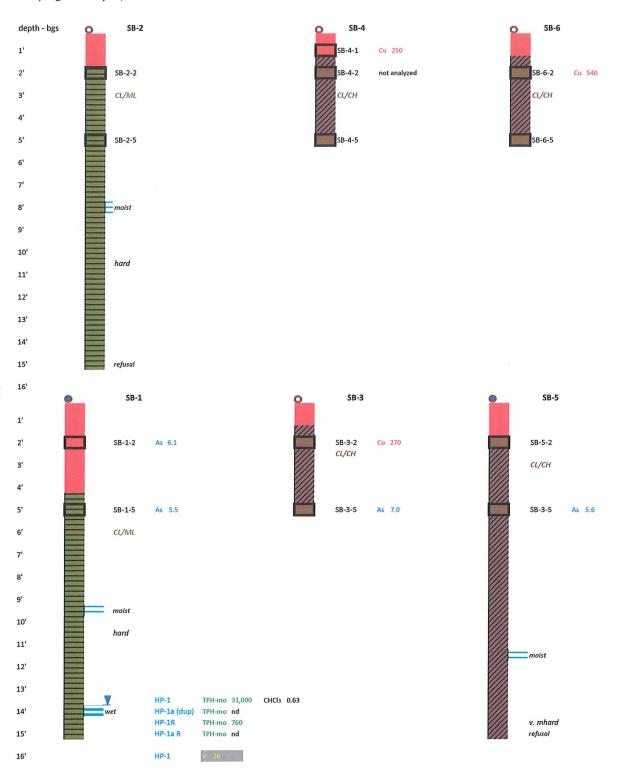
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Figure 3. Antioch Lumber Yard Summary of Boring Log Findings and Significant Soil and Groundwater Sample Analytical Results

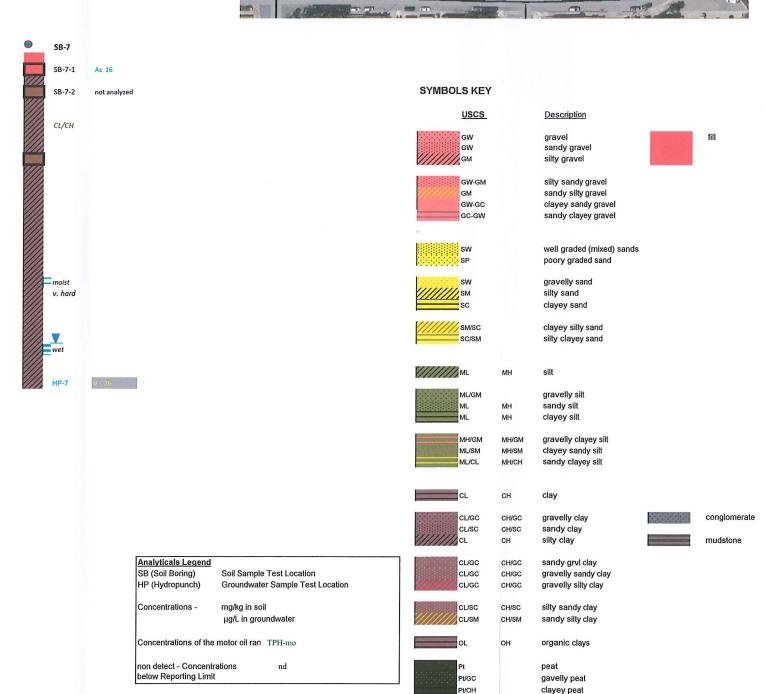
Notes: Groundwater organics listed above the detection limit.

Detected metals in soil and groundwater listed only if above

Detected metals in soil and groundwater listed only if above the ESLs Sampling date: July 10, 2020







West

10'

11'

12'

13'

14'

15'

16'

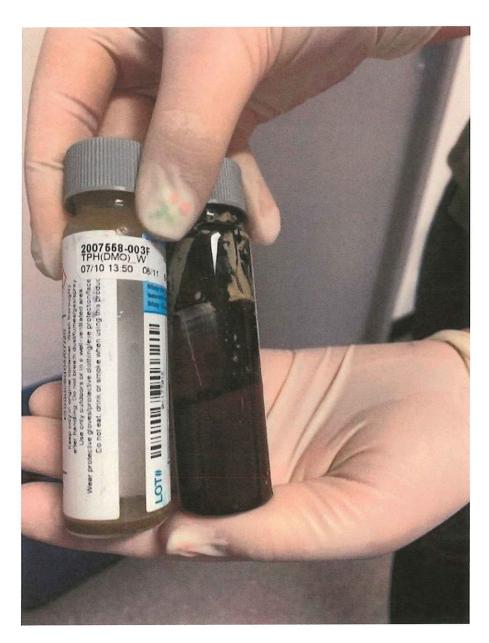
Site-Specific Sampling and Analysis Report Ph II Environmental Site Assessment City of Antioch August 31, 2020

FIGURE 4

Photos of Groundwater Sample Bottles for HP1, HP1A TPH Scan



		ş.		



Right sample bottle – HP-1 with high sediment and 31,000 ug/l motor oil range Left sample bottle – Duplicate sample bottle HP1A with very little sediment and "nd" result



TABLES



Table 1. Analytical Methods

Analyte	EPA M	<u>ethod</u>
CAM Metals (17)	6020C	
Mercury (Hg)	7470B	included in CAM 17
TPH (g, d, mo), BTEX, MTBE	8015B	
Volatile organics (VOCs)	8260B	
Semi-volatile organics (SOVCs)	8270E	





Table 2. Sample and Analysis Matrix

Type/ depth Loc ft bgs	Cam 17 Metals	TPH scan	VOCs	SVOCs
Loc 1 SB 1 - 2 SB 1 - 5 HP 1	X X X	X X X	X	X
Loc 2 SB 2 - 2 SB 2 - 5 HP 2	X X na	X X na	X X	X X
Loc 3 SB 3 - 2 SB 3 - 5	X X	X X		
Loc 4 SB 4 - 2 SB 4 - 5	X X	X X		
Loc 5 SB 5 - 2 SB 5 - 5 HP 5	X X na	X X na	X X	X X
Loc 6 SB 6 - 2 SB 6 - 5	X X	X X		
Loc 7 SB 7 - 2 SB 7 - 5 HP 7	X X X	X X X	X X X	X X X

LEGEND:

SB 1 - Soil Sample at Boring 1

HP 5 - Hydropunch Water Sample at Boring 5

na – Sample not available due to rig refusal at a 15 ft. depth, dry borehole.



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Antioch Lumber Yard

Table 3a. Sample Analytical Results for Metals in Soil

Sampling date: July 10, 2020

Soil Sample Analytical Results

CAM/CCR 17 Metals

CAM/CCR 17 Metals	3 17 Met	tals														Notes
Sample	Depth	Sb	As	Ba	Cd	C	Co	Cu	Pb	Hg	Mo	Ni	Se	/	Zn	
SB-1	2'	0.51	6.1	120	pu	35	8.6	70	15	0.11	0.5	34	6.0	53	59	Ē
SB-1	5.	pu	5.5	66	pu	43	6.6	19	4.7	0.1	1.1	43	0.84	54	49	
SB-2	2,	pu	5.1	170	pu	45	10	18	2	pu	pu	47	Н	61	51	
SB-2A	2,	pu	4.6	140	pu	42	6.6	18	4.7	pu	pu	43	0.81	59	51	
SB-2	5.	pu	4.3	83	pu	39	8.5	16	4	pu	pu	42	0.85	52	45	
SB-3	2,	pu	3.3	89	þu	43	22	270	5.6	0.29	0.59	33	1,4	70	45	
SB-3	.2	pu	7.0	160	pu	39	9.5	25	11	0.053	pu	40	П	57	55	
	7	-	0	(-	L (((0	((0	(,	į
SB-4	-	pu	3.9	260	pu	25	9.5	250	23	0.088	0.63	23	0.98	20	120	
SB-4	5,	pu	4.3	110	pu	34	8.5	16	4.1	pu	pu	38	0.75	23	43	
SB-5	2'	pu	4.2	80	pu	35	8.8	17	4.2	0.12	pu	39	0.91	22	46	
SB-5	5.	pu	5.6	140	pu	37	8.6	32	36	pu	pu	38	0.92	53	26	
		,														
SB-6	2,	pu	4.5	74	Η	29	7	540	3.7	0.098	pu	19	pu	49	75	
SB-6	.5	pu	4.2	110	0.85	35	9.2	26	4.4	pu	pu	42	pu	26	92	
	•	,														
SB-7	-	1.2	16	130	pu	33	8.1	41	28	0.11	0.94	27	0.54	99	64	
SB-7	52	pu	3.9	66	pu	29	7.5	13	3.6	0.14	pu	33	pu	51	36	
Regulatory Standards - Metals in Soil	y Standa	ırds - Me	etals in S	lio												
Tier 1 ESL		40	5.5	1500	7.4	28	80	230	750	10	40	150	10	200	009	

Notes:

Soils results reported in mg/kg (ppm)

nd = not detected less than detection limit. Detection limit values given in Table 5.

SB-2A is a duplicate sample

Sb = Antimony; As = Arsenic; Ba = Barium; Be = Beryllium; Cd = Cadmium; Cr = Chromium; Co = Cobalt; Cu = Copper; Pb = Lead; Hg = Mercury; Mo = Molybdenum;

Ni = Nickel; Se = Selenium; Ag = Silver; Tl = Thallium; V = Vanadium; Zn = Zinc

H:\PROP-PR\19-000-xx\19-042-01 City of Antioch Site Assessment Ph II- Lumber Yard\Deliverable\Ph II Final Report\Tables\Table 3a - 3b - 4a - 4b - Former Lumberyard Soil and Water Lab Results 2020-09-01

ft bgs = feet below ground surface.

ESL = Environmental Screening Level, by San Francisco Bay - Regional Water Quality Control Board, updated July 2019 (Revision 2), Soil Tier 1 ESL from Summary of Soil ESLs.

TTLC = Total Threshold Limit Concentration.

**= July 2019 (Revision 2) Tier 1 Soil ESL for Lead is 32 mg/kg, but is based on Terrestrial Habitat Levels. The Direct Exposure Human Health Risk Levels Non-cancer Risk concentration for Lead in a residential land use scenario (Table S-1) is 80 mg/kg.

**= January 2019 Tier 1 Soil ESL for Vanadium is 18 mg/kg, but is based on Terrestrial Habitat Levels. The Direct Exposure Human Health Risk Levels Non-cancer Risk for Vanadium in a residential land use scenario (Table S-1) is 390 mg/kg.

Results in BOLD exceed Tier 1 ESL

Results and ESL values reported in milligrams per kilogram (mg/kg), unless otherwise indicated.

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Antioch Lumber Yard

Table 3b. Sample Analytical Results for Organics in Soil

Soil Sample Analytical Results

Sampling date: July 10, 2020

Total Extractable Petroleum Hydrocarbons

SVOCs

Notes

Sample	Depth ft bgs	TPH-d	TPH-mo		
SB-1	2'	13	870	All nd	Fill
	5'	nd	nd	All nd	
SB-2	2'	nd	nd	All nd	
	5'	nd	nd	All nd	
SB-3	2'	2.4	36	All nd	
	5'	nd	nd	All nd	
SB-4	1'	5.2	29	All nd	Fill
	5'	nd	nd	All nd	
SB-5	2'	nd	nd	All nd except	
	5'	nd	nd	Benzo (g,h,i) perylene 0.0093	
SB-6	2'	nd	nd	All nd	
	5'	nd	nd	All nd	
SB-7	1'	nd	18	All nd	Fill
	5'	nd	nd	All nd	
SB-2A	2'	nd	nd	All nd	

Regulatory Standards - Organics in Soil

Tier 1 ESL

260

1600

Notes:

Soils results reported in mg/kg (ppm)

nd = not detected at less than detection limit. Detection limits given in Table 5.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.

SVOCs = Semi-Volatile Organic Compounds.

ft bgs = feet below ground surface.

ESL = Environmental Screening Level, by San Francisco Bay – Regional

Water Quality Control Board, updated July 2019 (Revision 2), Soil Tier 1 ESL

from Summary of Soil ESLs.

= 2019 (Revision 2) Tier I Soil ESL for TPH-MO is 1,600 mg/kg, but is

based on Terrestrial Habitat Levels. The Direct Exposure Human Health Risk

Level for a Non-Cancer Risk in a Residential Land Use scenario is 12,000

mg/kg.

Results, LTCP values, and ESL values, reported in mg/kg (milligrams per kilogram), unless otherwise indicated.

Results in BOLD exceed Tier 1 ESL

Antioch Lumber Yard

Table 4a. Sample Analytical Results for Metals in Groundwater

Sampling date: July 10, 2020

Groundwater Sample Analytical Results

CAM/CCR 17 Metals

	Sb	Sb As	Ba	g	ڻ	S	Cu	Pb	Нg	Мо	Ë	Se	>	Zn	
HP1	pu	pu	82	pu	pu	pu	pu	pu	pu	73	5.9	pu	26	pu	
HP1A (Duplicate)	pu	pu	73	pu	pu	pu	pu	pu	pu	09	5.4	pu	19	pu	
HP7	pu /	7.7	pu	pu	pu	pu	pu	pu	, pu	87	pu	pu	36	pu	
Regulatory Standards - Metals in Water Tier 1 ESL 6 10 10	ds - Meta 6	als in Wa	<i>ter</i> 1000	*5.0	20	23	3.1	2.5	0.025	100	**100	0.5	19	81	

Notes:

Groundwater results reported in µg/l (ppb)

nd = not detected. Detection limits given in Table 5.

|Sb = Antimony; As = Arsenic; Ba = Barium; Be = Beryllium; Cd = Cadmium; Cr = Chromium; Co = Cobalt; Cu = Copper; Pb = Lead; Hg

= Mercury; Mo = Molybdenum;

Ni = Nickel; Se = Selenium; Ag = Silver; Tl = Thallium; V = Vanadium; Zn = Zinc

ESL = Environmental Screening Level, by San Francisco Bay - Regional Water Quality Control Board, updated July 2019

(Revision 2), Groundwater Tier 1 ESL from Summary of Groundwater ESLs.

*= July 2019 (Revision 2) Tier 1 Groundwater ESL for Cadmium is 0.25 ug/L, but is based on an Aquatic Habitat. The MCL Priority value for Cadmium is 5.0 ug/L. **= July 2019 (Revision 2) Tier 1 Groundwater ESL for Nickel is 8.2 ug/L, but is based on an Aquatic Habitat. The MCL priority value for Nickel is 100 ug/L.

Results in BOLD exceed the respective ESL value.

Antioch Lumber Yard

Table 4b. Sample Analytical Results for Organics in Groundwater

Sampling date: July 10, 2020

Groundwater Sample Analytical Results	Analytical I	Results) -
Total Extractable Petroleum Hydrocarbons	troleum H	/drocarbons	VOCs	SVOCs		
Sample			Chloroform	Di-n-butyl	Di-n-butyl 2,4-Dichloro Diethyl	Diethyl
•	TPH-d	<u>TPH-d</u> <u>TPH-mo</u>		Phthalate	Phthalate phenol	Phthalate
HP1	pu	31,000	0.63	pu	pu	pu
НР1а	pu	pu	pu	pu	pu	pu
HP7	pu	, pu	pu	0.11	0.025	0.076
HP1R	pu	760	pu	pu	pu	pu
HP1aR	pu	pu	pu	pu	pu	pu

0.3 No Value 0.81 No Value 100 Regulatory Standards Tier 1 ESL

Notes:

Groundwater results reported in μg/l (ppb)

nd = not detected. Non-detect values given in Table 5.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.

VOCs = Volatile Organic Compounds.

SVOCs = Semi-Volatile Organic Compounds.

ESL = Environmental Screening Level, by San Francisco Bay - Regional Water Quality Control Board, updated July 2019 (Revision 2), Groundwater Tier 1 ESL from Summary of Groundwater ESLs.

R indicates re-run sample

VOCs - All nd except as shown

SVOCs - All nd except as shown

Results in BOLD exceed Tier 1 ESL

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APPENDICES



APPENDIX IDrilling Permits / USA Tickets



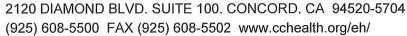
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CONTRA COSTA

ENVIRONMENTAL HEALTH DIVISION





Soil Boring Permit

Permit Number:

0027041

PE Number:

4301

Date Received:

March 31, 2020

WP Number:

WP0027041

Issued By:

ROBERT GRIBBEN

Date Issued:

15-May-2020

Date Expires:

16-Nov-2020

Intended Use:

SOIL BORING

of Borings or Well ID:

7 BORINGS

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

Project Site Information

Site Address:

2ND & E ST, ANTIOCH

APN:

066 055 001

Lot/Parcel #:

Subdivisioin #:

Minor Subdivision #:

Driller/Consultant Information

Driller:

CASCADE DRILLING LP

Contact Person: RALPH MCGAHEY

Phone #:

510-478-0858

E-Mail or Fax#:

rmcgahey@cascade-env.com

Consultant:

TRIDENT ENVIRONMENTAL & ENGINEERING, INC Contact Person: MIKE HECKATHORN

E-Mail or Fax#:

Phone #:

925-706-6931

mhecakthorn@tridenteng.com

Legal Owner Information

Property Owner:

CITY OF ANTIOCH

925-779-7050

Responsible Party: SAME AS OWNER

Owner Address:

200 H ST

Address:

City/State/Zip:

Phone #:

ANTIOCH, CA 94509

City/State/Zip: Phone #:

Not Specified

Prior to any drilling construction or destruction of a well, requests for inspection appointment must be received 48 hours in advance (excluding weekends, holidays, and Mandatory County Furlough Days) by faxing your written request to (925) 608-5502 or e-mail to ehlu@.cchealth.org. Voice mail messages are not acceptable.

Well drillers must possess a valid C-57 license and must have on file a performance bond of \$5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

Soil Boring Permit Conditions:

1. Soil Boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.

Final Approval by:	Date:

EMLCFM 14274X USAN 07/06/20 12:42:02 X013402867-02X RNEW NORM POLY LREQ

Ticket: X013402867 Rev: 02X Created: 07/06/20 12:41 User: VLERMA Chan: CSR

Work Start: 05/20/20 09:00 Legal Start: 05/20/20 09:00 Expires: 08/03/20

Response required: N Priority: 2

Excavator Information

Company: TRIDENT ENVIRONMENTAL & ENGINEERING INC

Co Addr: 110 L ST SUITE 1

City: ANTIOCH State: CA Zip: 94509
Created By: JESSE WILSON Language: ENGLISH
Office Phone: 925-706-6931 SMS/Cell: 925-354-2973

Office Email: jwilson@tridenteng.com

Site Contact: CALLER
Site Phone: Site SMS/Cell: 925-354-2973

Excavation Area

State: CA County: CONTRA COSTA Place: ANTIOCH

Zip: 94509

Location: Address/Street: W 3RD AVE

: X/ST1: E ST gray/massage steered. [[8] as a complete of the state of the amula

: WORK AREA BOUNDED BY "E" ST ON W, W 3RD ST ON S, & W 2ND ST ON NE

Delineated Method: WHITE PAINT

Work Type: SOIL SAMPLES
Work For: SAME
Permit: UNKNOWN Job/Work order:

1 Year: N Boring: N Street/Sidewalk: N Vacuum: N Explosives: N

Lat/Long

Center Generated (NAD83): 38.017608/-121.811947 38.017550/-121.808432 : 38.015655/-121.811979 38.015598/-121.808464

Excavator Provided:

https://newtin.usan.org/newtinweb/map tkt.nap?TRG=EFUUQVYMZVWNWKw-n

RENEW TICKET WORK CONTINUING PER JESSE--06/09/2020 01:59:11 PM

RENEW TICKET WORK CONTINUING PER JESSE WILSON--07/06/2020 12:41:37 PM

COCCC2 COUNTY OF CONTRA COSTA 2	BILL WALKER	925-313-7054
	For emergencies	925-313-7052
COMPIT COMCAST PITTSBURG	CAL XOC ANYONE	888-824-8219
	CAL XOC ANYONE	888-824-8219
CPNPIP CPN PIPELINE CO.	Name not available	877-432-5555
	Gas Control	877-432-5555
CTYANT CITY OF ANTIOCH	CITY ADMINISTRATION	925-779-6950
	CITY ADMINISTRATION	925-779-6950

DOWKEM DOW CHEMICAL	Name not available	Not available
	For emergencies	925-432-5555
PACBEL PACIFIC BELL	Damage Prevention	510-645-2929
	Damage Prevention	510-645-2929
PGECND PGE DISTR CONCORD	Donald Collins	925-586-1799
	EMERGENCY	800-743-5000
PRXAIR PRAXAIR INC., LINDE	CLAIRE FEATHERSTON	925-427-3955
	JAMES COLLINS	925-382-8507

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Covid-19 Coronavirus Utility Response Information Please be aware that due to emergency safety precautions around the covid-19 coronavirus some utility owners may experience interruptions in resource availability and therefore may choose to not respond, or may provide a delayed response, to tickets at this time. If a utility member intends to not respond to your request they will advise you of this information directly. Please make sure you make every effort to communicate with the utility owners and ensure you receive a positive response to your request before proceeding with your work. Utility members may respond to you by marking the site, sending an email, or contacting you by phone. You should also check the electronic positive response system for information from the utility member for your request. You can check the responses to your ticket using your ticket number here: https://usanorth811.herokuapp.com/positive responses/new . Any further questions about utility member response need to be directed to the utility member(s) themselves at this time.

Legal Start Information:

You cannot begin digging until each facility owner has responded to your request and it has passed the legal start date and time on your request. If you wish to begin sooner than the legal date and time indicated on your ticket, you must contact each facility operator individually to request that they respond sooner. You must begin digging no later than 14 calendar days after your ticket was created. Phone numbers for the relevant facility operators are listed at the bottom of your ticket.

Missing a Response from a Utility Member?:

If the legal start date and time has passed and a facility operator has not marked an underground facility at the dig site, state law requires that you process a No Response notice to your ticket. This can be done online through the E-Ticket program at www.usanorth811.org or by calling 811.

Your Ticket Is Only Valid for 28 Calendar Days:

Your ticket will automatically expire 28 calendar days after the date of creation. If you need to continue digging beyond that date, state law requires that you renew your ticket before the expiration date. If the utility markings at your site are no longer clearly visible, you must request a re-mark. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can renew or re-mark your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

Maintaining Utility Markings and Requesting Re-Marks at your Worksite: It is your responsibility to respect and protect the utility markings. If the markings become disturbed and are no longer clearly visible, state law requires that you stop excavation and have the area in which the markings have been disturbed re-marked by the appropriate facility operators. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can submit a remark request on your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

What Are Private Lines and How Do I Request Locates for Them?: Utility members are only responsible to locate facilities that they own and maintain. Any other facilities, commonly called private lines, that were installed by a home builder, contractor, or the homeowner themselves, can be located by a private locator. Common private lines are water lines from the water meter to a home, irrigation or sprinkler lines, gas line feeding a back yard barbeque or fire pit, or an electrical line that powers a detached shed. You can find more information about private locators by visiting usanorth811.org or by searching online for "private utility locators.â€□

Non-member Facility Owners:

The vast majority, but not all, owners of underground facilities are members of the USA North 811 nonprofit association of utility owners. Nonmember entities include California and Nevada departments of transportation, railroads, military, tribal, and a few other entities. Non-pressurized sewer and drain line owners are also exempt from participating in California. Please review the list of utility owners on your ticket and contact any other affected entities directly.

Tolerance Zone and Hand Digging Requirements: When digging near underground facilities, state law requires that you use only hand tools to expose lines in conflict with your excavation. Hand tools must be used within 24 inches of the outside edge of all utility markings. You may use vacuum equipment only if indicated on your ticket and with the approval of the facility operator whose line will be exposed.

Damaged, Nicked, Scraped, or Dented an Underground Facility?: If you discover or cause damage, nicks, scrapes, dents, or any other disturbance to a marked or unmarked underground facility, state law requires that you immediately report the damage to the facility owner. You can contact the facility operator directly using the phone number listed at the bottom of your ticket, or you may contact USA North 811 to process a Damage/Exposed ticket. This can be done online through the E-Ticket program at usanorth811.org or by calling 811. You must also contact 911 if you discover or cause damage to a natural gas line, high-voltage power cable, high-pressure or hazardous materials pipeline, or any other high-priority facility. Make sure to evacuate the area before calling 911.

Delineating or Pre-marking Your Work Site:
State law requires that you mark out the dimensions of your project by delineating or pre-marking with something white, such as spray paint, chalk, flags, or stakes to show the utility companies where you plan to dig before you submit your locate ticket. If you have yet to pre-mark your dig site, please do so as soon as possible. You may start digging after the two working day minimum notice or the starting date and time you provided, whichever is later, has passed and every utility operator that was notified on your ticket has responded by either marking their underground facilities at the dig site, letting you know their facilities are not in conflict with your project, or making other arrangements with you.

Additional Site Information:

When submitting your locate ticket, you should have provided all necessary information about the site including special circumstances such as site access instructions, locked gate information, dogs in the yard or on the property, or any other information that would help assist the locators before arriving to your site. If you forgot to add information like this, you can submit a ticket amendment and add this necessary information to your existing locate ticket. You can submit an amendment online through the E-Ticket program at usanorth811.org or by calling 811.

E-Tickets:

80% of the contractors and excavators submitting tickets today are doing so online through our E-Tickets platform. It not only is saving them time and money, but allows us to keep our 811 phone lines open for damages, emergencies, curious homeowners, and new contractors who need help with the system. With your E-Ticket account you can submit any ticket you have, submit Renew or Re-mark requests, and have access to a stellar team of Web Operations Specialists who are available to help walk you through any questions or issues you might have. For more information on E-Tickets visit usanorth811.org and click the orange "Get Startedâ€□ button on the top right corner of the page.

For More Information: For more information and safe digging tips please visit usanorth811.org/safety

APPENDIX IISoil Boring Logs



							PAGE _1 OF _1
BORING NO	D.: SB-1 PROJECT NO.: 0829 PROJECT N	NAME: FO	rmei	Lumber Y	ard,	Antioch, CA	T-MAL NAMEDIA
BORING LO	OCATION: Southwest Portion of Site			- Av	ti i	ELEVATION	AND DATUM: None
DRILLING A	AGENCY: Cascade Drilling	DRILLE	R: A	rtemio		TE & TIME STARTED:	DATE & TIME FINISHED:
DRILLING	EQUIPMENT: Geoprobe Direct Push Truck-Mounted Dr	illing R	ig	Jun 1 de	11	10/20 0910 hrs	7/10/20 0955 hrs
COMPLETI	ON DEPTH: 15 Feet BEDROCK DEPTH: 1	Not Enc	ount	ered		LOGGED BY:	CHECKED BY:
FIRST WAT	ER DEPTH: 13.5 ft. NO. OF SAMPLES: 2	soil, 1 g	rour		Li	ta Freeman	arthunitaya qas
DEPTH (FT.)	DESCRIPTION	GRAPHIC	BLOW COUNT		PID		ARKS
10 - 15 - 20 - 25 - 30 - 30	0.0 to 4.0 ft. Light brown silt (FILL); low plasticity; dry; stiff; some medium- to coarse-grained gravel; approximately 2-inch thick lense of black gravel (slag?) at 2.0 ft. (10,0,100) 4.0 to 15.0 ft. Yellow brown silty clay/clayey silt; low plasticity; dry; stiff to very stiff (0,0,100) -color change to Brown at 8.0 ftmoist at 9.0 ftvery hard drilling below 10.0 ftbecomes very stiff -wet at 13.5 ft.	FILL CL/ ML	7	No well constructed SB-1-2 at 1.5- 2.0 ft. SB-1-5 at 4.5- 5.0 ft. HP-1	0.0	rods were placed long 2.25-inch C The smaller rod 5.0-ft. long 1.75 transparent aceta Water encounter at 13.5 ft at 0950 Temporary 1.0-i PVC casing place (blank casing froslotted casing at Water level mea at 1024 hours an 1345 hours. Water sample operistaltic pump at 1350 hours. Borehole grouted 1510 hours using with verbal approached casing at 1350 hours. Borehole grouted 1510 hours using with verbal approached casing at 1350 hours.	uously cored ft. using dual ystem where ong 1.5-inch O.D. d inside 5.0-ft. O.D. outer casing. was lined with a -inch O.D. ate tube. red during drilling O hours. nch O.D. new red in borehole om 0.0 to 10.0 ft; 10.0 to 15.0 ft). sured at 13.59 ft. d at 13.65 ft. at collected using a or and new tubing d on 7/10/20 at g neat cement oval by defill without oresent. s of percent of fines are shown minations are re not based on

PAGE 1 OF 1									
BORING NO.: SB-2 PROJECT NO.: 0829 PROJECT NAME: Former Lumber Yard, Antioch, CA									
BORING LOCATION: Northwest Portion of Site ELEVATION AND DATUM: None									
DRILLING A	GENCY: Cascade Drilling	rtemio		TE & TIME STARTED:	DATE & TIME FINISHED:				
DRILLING I	еорирмент: Geoprobe Direct Push Truck-Mounted Dri	//.	10/20 0840 hrs	7/10/20 0910 hrs					
COMPLETIO	ON DEPTH: 15 Feet BEDROCK DEPTH: N		LOGGED BY:	CHECKED BY:					
FIRST WATE	RR DEPTH: Not Encountered NO. OF SAMPLES: 2 S	oil			Lii	ta Freeman	* 7		
DEPTH (FT.)	GRAPHIC COLUMN BLOW COUNT PER 6" WELL CONSTRUCTION LOG				PID	REM	MARKS		
5 - 10 - 15 - 15 - 15 - 15 - 15 - 15 - 1	0.0 to 1.5 ft. Light brown silt (FILL); low plasticity; dry; stiff; some fine- to coarse-grained gravel (10,0,90) 1.5 to 15.0 ft. Yellow brown silty clay/clayey silt; low plasticity; dry; stiff to very stiff (0,0,100) -moist at 8.0 ft. -very hard drilling below 10.0 ft. -refusal at 15.0 ft.	FILL CL/ ML	[A	SB-2-2 at 1.5- 2.0 ft. SB-2-5 at 4.5- 5.0 ft.	0.0	rods were place long 2.25-inch (The smaller rod 5.0-ft. long 1.75 transparent acet Free water not eduring drilling. Temporary 1.0-PVC casing place (blank casing free long 2.25-inch (blank casing free long 2.	uously cored of t. using dual ystem where ong 1.5-inch O.D. d inside 5.0-ft. O.D. outer casing. was lined with a i-inch O.D. ate tube. encountered inch O.D. new ced in borehole om 0.0 to 10.0 ft; i. 10.0 to 15.0 ft); ing. ed on 7/10/20 at g neat cement roval by		
20						Drilling Notes: 1. Field estimate gravel, sand, an in parentheses. 2. Density deter	es of percent d fines are shown minations are are not based on		

							PAGE 1 OF 1		
BORING NO.	: SB-3 PROJECTNO.: 0829 PROJECTN	Аме: Го	rmei	Lumber Y	ard, A	Antioch, CA	4-77 G. Kenny		
BORING LO	CATION: South Central Portion of Site			, sur le	No je l	ELEVATION	AND DATUM: None		
DRILLING A	GENCY: Cascade Drilling	DRILLE	R: A	rtemio		TE & TIME STARTED:	DATE & TIME FINISHED:		
DRILLING E	QUIPMENT: Geoprobe Direct Push Truck-Mounted Dri	lling R	ig	-dwill no	7/	10/20 1154 hrs	7/10/20 1159 hrs		
COMPLETIC	N DEPTH: 5 Feet BEDROCK DEPTH: N	lot Enc	ount	ered		LOGGED BY:	CHECKED BY:		
FIRST WATE	R DEPTH: Not Encountered No. of samples: 2 s	soil			Li	ta Freeman	CTT 1 A P API DOUBLE		
DEPTH (FT.)	DESCRIPTION	GRAPHIC	BLOW COUNT PFR 6"		PID	** A.O.C. A.O. A.O.	ARKS		
beja dag ta d	0.0 to 1.0 ft. Light brown silt (FILL); low plasticity; dry; stiff; some medium- to coarsegrained gravel (10,0,90)	FILL	W/mil	No well constructed	0.1		uously cored ft. using dual tube		
5 -	1.0 to 5.0 ft. Brown silty clay; low to medium plasticity; dry; medium stiff (0,0,100)	CL/ CH	Sera	SB-3-2 at 1.5- 2.0 ft.	0.0	sampling system where sma 5.0 ft. long 1.5-inch O.D. ro were placed inside 5.0-ft. lo 2.25-inch O.D. outer casing			
	transfer out market out market w transfer out transfer out to the			SB-3-5 at 4.5- 5.0 ft.		smaller rod was lined with a 5.0 ft. long 1.75-inch O.D. transparent acetate tube.			
10 —	ca Caserras, Alade todo secure pint a simon (1887) pl la venaes Ledic, Alaev					Borehole groute 1325 hours usin with verbal appr	g neat cement		
710-1	a hid_uiGluiG					CCCEHD to backfill without grout inspector present.			
15 _	syllo mitholosissen." . sags entro usudaseng					Drilling Notes: 1. Field estimate gravel, sand, and in parentheses.	es of percent d fines are shown		
981 <u>- 2</u> 19 1 ts 24	pdard i cedarcha (C. 1) Come has schoolsep Lickadon a rate map					2. Density deter qualitative and a quantitative eva	are not based on		
20 _									
25 _						*			
- 20									
- 30 —							T 106 T 4		

	PAGE 1 OF 1										
ВО	BORING NO.: SB-4 PROJECT NO.: 0829 PROJECT NAME: Former Lumber Yard, Antioch, CA									,	
ВС	BORING LOCATION: North Central Portion of Site ELEVATION AND DATUM: None										
DR	ILLIN	GAC	GENCY: Cascade Drilling		DRILLEF	R: A	rtemio		TE & TIME STARTED:	DATE & TIME FINISHED:	
DRILLING EQUIPMENT: Geoprobe Direct Push Truck-Mounted Drilling Rig								7/.	10/20 1150 hrs	7/10/20 1154 hrs	
COMPLETION DEPTH: 5 Feet BEDROCK DEPTH: Not Encountered									LOGGED BY:	CHECKED BY:	
FII	PIRST WATER DEPTH: Not Encountered No. OF SAMPLES: 3 SOII							Lit	a Freeman	1	
	DEPTH (FT)	GRAPHIC COLUMN BLOW COUNT PER 6" WELL WELL CONSTRUCTION				WELL CONSTRUCTION LOG	PID		ARKS		
			0.0 to 1.0 ft. Light brown silt (FILL); low plasticity; dry; stiff; some fine- to coarse-grained gravel (10,0,90)	/	FILL		No well constructed SB-4-1 at 0.5-1.0 ft.		Hard-packed so Borehole contin from 0.0 to 5.0 is sampling system	uously cored ft. using dual tube	
	5		1.0 to 5.0 ft. Brown silty clay; low to medium plasticity; dry; medium stiff (0,0,100)		CL/ CH		SB-4-2 at 1.5- 2.0 ft. SB-4-5 at	0.0	5.0 ft. long 1.5- were placed insi 2.25-inch O.D.	nch O.D. rods	
							4.5- 5.0 ft.		smaller rod was ft. long 1.75-inc transparent acet		
	10								Borehole groute 1330 hours usin with verbal appr CCCEHD to ba grout inspector	g neat cement roval by ckfill without	
	15								in parentheses.	d fines are shown	
				2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					2. Density determinations are qualitative and are not based o quantitative evaluation.		
	20										
	25										
			•								
	30	_									

DRILLING AG	CATION: Southeast Portion of Site GENCY: Cascade Drilling	DRILLE		581	P ha	Antioch, CA	AND DATUM: None
DRILLING ACCOMPLETION FIRST WATER (LL) HLL AGG	GENCY: Cascade Drilling	DRILLE	р. Л	- 50	2 %	ELEVATION	AND DATUM: None
COMPLETION FIRST WATER (L)	Control of the following to the control of the cont	DRILLE	р. Л				
COMPLETION FIRST WATER OPENLIN	Visit C. Land HALL WARRED Land Land Land		K: 73	rtemio		The Mark Address of the	DATE & TIME FINISHED
DEPTH (FT.)	QUIPMENT: Geoprobe Direct Push Truck-Mounted Dr	illing Ri	g	alauri da	7/	10/20 1004 hrs	7/10/20 1040 hrs
DEPTH (FT.)	N DEPTH: 15 Feet BEDROCK DEPTH: 1	Not Enc	ounte	ered		LOGGED BY:	CHECKED BY:
be in diament allowing dece	R DEPTH: Not Encountered NO. OF SAMPLES: 2	soil	66A8T	0.0%	Li	ta Freeman	$\phi = 10.440 \mathrm{MeV}$
- 5 -	DESCRIPTION	GRAPHIC	BLOW COUNT PER 6"		PID	5100 809	ARKS
5 -	0.0 to 1.5 ft. Light brown silt (FILL); low plasticity; dry; stiff; some fine- to coarse-grained gravel (10,0,90)	FILL	ensi es E	No well constructed	0.0	Hard-packed soil Borehole contin from 0.0 to 15.0	uously cored ft. using dual
n re to	1.5 to 15.0 ft. Brown silty clay; low to medium plasticity; dry; medium stiff (0,0,100)	CL/ CH	3 - 17	SB-5-2 at 1.5- 2.0 ft. SB-5-5 at 4.5- 5.0 ft.	0.0	rods were placed	ng 1.5-inch O.D. I inside 5.0-ft. O.D. outer casing. was lined with a -inch O.D.
10 =	-moist at 11.0 ft. -very hard drilling at 14.0 ft.				0.0	slotted casing at	nch O.D. new red in borehole om 0.0 to 10.0 ft; 10.0 to 15.0 ft);
	-refusal at 15.0 ft.				0.0	no water in cas Borehole groute 1450 hours usin with verbal appr CCCEHD to ba grout inspector	d on 7/10/20 at g neat cement oval by kfill without
20 =						Drilling Notes: 1. Field estimate gravel, sand, and in parentheses. 2. Density determined qualitative and a quantitative evaluative evaluation.	I fines are shown minations are re not based on
30				-			

_	PAGE 1 OF 1									
BORING NO.: SB-6 PROJECT NO.: 0829 PROJECT NAME: Former Lumber Yard, Antioch, CA										
В	BORING LOCATION: Northeast Portion of Site ELEVATION AND DATUM: None									
DRILLING AGENCY: Cascade Drilling DRILLER: Artemio									TE & TIME STARTED:	DATE & TIME FINISHED:
Di	DRILLING EQUIPMENT: Geoprobe Direct Push Truck-Mounted Drilling Rig								10/20 1141 hrs	7/10/20 1145 hrs
C	COMPLETION DEPTH: 5 Feet BEDROCK DEPTH: Not Encountered								LOGGED BY:	CHECKED BY:
FI	RST W	ATEI	R DEPTH: Not Encountered NO. OF SAMPLES: 2	so	oil			Lit	ta Freeman	6:
	DEPTH (FT.)		DESCRIPTION		GRAPHIC COLUMN	BLOW COUNT PER 6"		PID	REM	ARKS
			0.0 to 1.0 ft. Brown silt (FILL); low plasticity; dry; stiff; some fine- to coarse-grained gravel (10,0,90)		FILL		No well constructed	0.0	from 0.0 to 5.0	uously cored ft. using dual tube
	5		1.0 to 5.0 ft. Brown silty clay; low to medium plasticity; dry; medium stiff (0,0,100)		CL/ CH		SB-6-2 at 1.5- 2.0 ft.	0.1	sampling system 5.0 ft. long 1.5-i were placed insi 2.25-inch O.D.	nch O.D. rods
							SB-6-5 at 4.5- 5.0 ft.			lined with a 5.0-h O.D.
	10								Borehole groute 1335 hours usin with verbal appr CCCEHD to ba grout inspector	g neat cement oval by ckfill without
	15								Drilling Notes: 1. Field estimate gravel, sand, an in parentheses. 2. Density deter qualitative and a	d fines are shown minations are
	20								quantitative eva	
	25									
	30									

	PAGE _1 OF _1_								
BORII	BORING NO.: SB-7 PROJECT NO.: 0829 PROJECT NAME: Former Lumber Yard, Antioch, CA								
BORING LOCATION: East Portion of Site ELEVATION AND DATUM: None									
DRILLING AGENCY: Cascade Drilling DRILLER: Artemio								TE & TIME STARTED:	DATE & TIME FINISHED:
DRILLING EQUIPMENT: Geoprobe Direct Push Truck-Mounted Drilling Rig							//	10/20 1041 hrs	7/10/20 1140 hrs
СОМІ	COMPLETION DEPTH: 15 Feet BEDROCK DEPTH: Not Encountered							LOGGED BY:	CHECKED BY:
FIRST	FIRST WATER DEPTH: 13.0 ft. NO. OF SAMPLES: 3 soil, 1 groundwater					Li	ta Freeman	¥.	
	DEPTH (FT.)	GRAPHIC COLUMN BLOW COUNT PER 6" WELL CONSTRUCTION LOG				PID	REM	ARKS	
15	55		0.0 to 1.0 ft. Light brown silt with gravel (FILL); low plasticity; dry; stiff; medium- to coarse-grained gravel; some brick fragments (30,0,100) 1.0 to 15.0 ft. Brown silty clay; low to medium plasticity; dry; medium stiff (0,0,100) -moist at 10.0 ftvery hard drilling below 10.0 ftbecomes very stiff -wet at 13.0 ft.	FILL CL/CH	NOTES	No well constructed SB-7-1 at 0.5-1.0 ft. SB-7-2 at 1.5-2.0 ft. SB-7-5 at 4.5-5.0 ft. HP-7	0.1 0.0 0.0 0.0	rods were placed long 2.25-inch Con The smaller rod 5.0-ft. long 1.75 transparent aceta. Water encounter at 13.0 ft at 1135. Temporary 1.0-i PVC casing place (blank casing fros slotted casing at Water level mean at 1420 hours. Water sample of peristaltic pump at 1430 hours. Borehole grouter 1455 hours using with verbal approached casing at 1455 hours using with verbal approached productions of the production of the production of the production of the place of the plac	uously cored ft. using dual ystem where ong 1.5-inch O.D. d inside 5.0-ft. D.D. outer casing. was lined with a -inch O.D. ate tube. red during drilling fo hours. nch O.D. new red in borehole om 0.0 to 10.0 ft; 10.0 to 15.0 ft). sured at 5.81 ft. collected using a and new tubing d on 7/10/20 at g neat cement oval by resent.
	0 -								fines are shown ninations are re not based on

APPENDIX III

Laboratory Analytical Results, ESLs and Chain of Custody

HP-1 Groundwater Sample Rerun Results

Chromatographs for Soil and Groundwater Samples



 \star



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:

2007558

Report Created for:

Trident Env. & Eng., Inc.

110 L Street, Suite 1 Antioch, CA 94509

Project Contact:

Jesse Wilson

Project P.O.:

Project:

19-042-01; Antioch Lumber

Project Received:

07/10/2020

Analytical Report reviewed & approved for release on 07/20/2020 by:

Jennifer Lagerbom

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

Glossary of Terms & Qualifier Definitions

Client:

Trident Env. & Eng., Inc.

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Glossary Abbreviation

%D

Serial Dilution Percent Difference

95% Interval

95% Confident Interval

CPT

Consumer Product Testing not NELAP Accredited

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)

Glossary of Terms & Qualifier Definitions

Client:

Trident Env. & Eng., Inc.

Project:

19-042-01; Antioch Lumber

WorkOrder: 2007558

Analytical Qualifiers

В	Analyte detected in the associated Method Blank and in the sample	
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.	
S	Spike recovery outside accepted recovery limits	
a1	Sample diluted due to matrix interference	
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.	
c2	Surrogate recovery outside of the control limits due to matrix interference.	
e2	Diesel range compounds are significant; no recognizable pattern	
e7	Oil range compounds are significant	
e8	Pattern resembles kerosene/kerosene range/jet fuel range	
j1	See attached narrative	

Quality Control Qualifiers

F2 LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.

Case Narrative

Client:

Trident Env. & Eng., Inc.

Work Order: 2007558

Project:

19-042-01; Antioch Lumber

July 21, 2020

j1:

Total Extractable Petroleum Hydrocarbons- Diesel, Motor Oil

Samples 2007558-001A were analyzed on an instrument sequence with a passing closing CCV that was analyzed outside of the method specified 12 hour time window due to tower error that stopped the sequence prior to its completion. The results are considered estimates.

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 (2) about 16/4 about 26/4

Date Prepared: 07/13/2020 ASMAN shortests leading to a A

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Unit:

mg/kg A 10-010-01

Volatile Organics

Client ID	tomounteal	Lab II) Matrix	Date Colle	ected	Instrument	Batch ID
SB-2-2	GC138 GATESOTTD	2007558-004B Soil		07/10/2020 09:05		GC38 07162033.D	201653
Analytes and additional		Result	18	<u>RL</u>	<u>DF</u>		Date Analyzed
Acetone		ND		0.10	1 014		07/17/2020 03:46
tert-Amyl methyl ether	(TAME)	ND	0.0000	0.0050	1 00	en	07/17/2020 03:46
Benzene		ND	0300.0	0.0050	1 00	onadi	07/17/2020 03:46
Bromobenzene		ND	00000	0.0050	1 00	ah	07/17/2020 03:46
Bromochloromethane		ND	6800 0	0.0050	1 (7)4		07/17/2020 03:46
Bromodichloromethane)	ND	0.0050	0.0050	1 04	(8078)	07/17/2020 03:46
Bromoform		ND	0.0050	0.0050	1 0 9		07/17/2020 03:46
Bromomethane		ND	0.0050	0.0050	1 3/4		07/17/2020 03:46
2-Butanone (MEK)		ND	0.0000	0.050	1 08		07/17/2020 03:46
t-Butyl alcohol (TBA)		ND	9800 C	0.050	1 0/4		07/17/2020 03:46
n-Butyl benzene		ND	0500.0	0.0050	1 GW	,	07/17/2020 03:46
sec-Butyl benzene		ND	0.0050	0.0050	1 004		07/17/2020 03:46
tert-Butyl benzene		ND	0.0050	0.0050	1 04	(38 TM	07/17/2020 03:46
Carbon Disulfide		ND	0.020	0.0050	1 084		07/17/2020 03:46
Carbon Tetrachloride		ND	0200,0	0.0050	1.014	Craffing a	07/17/2020 03:46
Chlorobenzene		ND	0.0050	0.0050	1 04		07/17/2020 03:46
Chloroethane		ND	ganun	0.0050	1 1		07/17/2020 03:46
Chloroform		ND	Degua	0.0050	1		07/17/2020 03:46
Chloromethane		ND	09000	0.0050	1	9mp.10	07/17/2020 03:46
2-Chlorotoluene		ND	0.0000	0.0050	1 (1)/	en el	07/17/2020 03:46
4-Chlorotoluene		ND	naggjo	0.0050	1 00		07/17/2020 03:46
Dibromochloromethane)	ND	a809.0	0.0050	1 GM		07/17/2020 03:46
1,2-Dibromo-3-chloropi	opane	ND	p=60.0	0.0050	1 🖽	en	07/17/2020 03:46
1,2-Dibromoethane (ED	OB)	ND	0200 U	0.0040	1 CH	[4] [07/17/2020 03:46
Dibromomethane		ND	0209.6	0.0050	1 1714		07/17/2020 03:46
1,2-Dichlorobenzene		ND	0.0050	0.0050	1 34		07/17/2020 03:46
1,3-Dichlorobenzene		ND	(20) (I	0.0050	1 014		07/17/2020 03:46
1,4-Dichlorobenzene		ND	6.10000	0.0050	1 GM	9/10	07/17/2020 03:46
Dichlorodifluoromethan	e	ND	0.000 0	0.0050	1 Gh	20	07/17/2020 03:46
1,1-Dichloroethane		ND	0.300.0	0.0050	1 06	909	07/17/2020 03:46
1,2-Dichloroethane (1,2	P-DCA)	ND	napo.e	0.0040	1 @/	हत <u>ा</u>	07/17/2020 03:46
1,1-Dichloroethene		ND	1300.0	0.0050	1 30		07/17/2020 03:46
cis-1,2-Dichloroethene		ND P	03000	0.0050	1 GM		07/17/2020 03:46
trans-1,2-Dichloroether	ie	ND	0,509r <i>0</i>	0.0050	1 11/1		07/17/2020 03:46
1,2-Dichloropropane		ND	4560.0	0.0050	1 0 /1		07/17/2020 03:46
1,3-Dichloropropane		ND		0.0050	1		07/17/2020 03:46
2,2-Dichloropropane		ND		0.0050	1		07/17/2020 03:46

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID	
SB-2-2	2007558-004B	Soil	07/10/2020	09:05	GC38 07162033.D	201653	
Analytes	Result		RL	<u>DF</u>		Date Analyzed	
1,1-Dichloropropene	ND		0.0050	1		07/17/2020 03:46	
cis-1,3-Dichloropropene	ND		0.0050	1	W (07/17/2020 03:46	
trans-1,3-Dichloropropene	ND	37	0.0050	1	Section and discount of the section	07/17/2020 03:46	
Diisopropyl ether (DIPE)	ND		0.0050	1		07/17/2020 03:46	
Ethylbenzene	ND		0.0050	1		07/17/2020 03:46	
Ethyl tert-butyl ether (ETBE)	ND		0.0050	1		07/17/2020 03:46	
Freon 113	ND		0.0050	1		07/17/2020 03:46	
Hexachlorobutadiene	ND		0.0050	1		07/17/2020 03:46	
Hexachloroethane	ND		0.0050	1		07/17/2020 03:46	
2-Hexanone	ND		0.0050	1		07/17/2020 03:46	
Isopropylbenzene	ND		0.0050	1		07/17/2020 03:46	
4-Isopropyl toluene	ND		0.0050	1		07/17/2020 03:46	
Methyl-t-butyl ether (MTBE)	ND		0.0050	1		07/17/2020 03:46	
Methylene chloride	ND		0.020	1		07/17/2020 03:46	
4-Methyl-2-pentanone (MIBK)	ND		0.0050	1		07/17/2020 03:46	
Naphthalene	ND		0.0050	1		07/17/2020 03:46	
n-Propyl benzene	ND		0.0050	1		07/17/2020 03:46	
Styrene	ND		0.0050	1		07/17/2020 03:46	
1,1,1,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 03:46	
1,1,2,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 03:46	
Tetrachloroethene	ND		0.0050	1		07/17/2020 03:46	
Toluene	ND		0.0050	1		07/17/2020 03:46	
1,2,3-Trichlorobenzene	ND		0.0050	1		07/17/2020 03:46	
1,2,4-Trichlorobenzene	ND		0.0050	1		07/17/2020 03:46	
1,1,1-Trichloroethane	ND		0.0050	1		07/17/2020 03:46	
1,1,2-Trichloroethane	ND		0.0050	1		07/17/2020 03:46	
Trichloroethene	ND		0.0050	1		07/17/2020 03:46	
Trichlorofluoromethane	ND		0.0050	1		07/17/2020 03:46	
1,2,3-Trichloropropane	ND		0.0050	1		07/17/2020 03:46	
1,2,4-Trimethylbenzene	ND		0.0050	1		07/17/2020 03:46	
1,3,5-Trimethylbenzene	ND		0.0050	1		07/17/2020 03:46	
Vinyl Chloride	ND		0.0050	1		07/17/2020 03:46	
m,p-Xylene	ND		0.0050	1		07/17/2020 03:46	
o-Xylene	ND		0.0050	1		07/17/2020 03:46	
Xylenes, Total	ND		0.0050	1		07/17/2020 03:46	

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 https://doi.org/10.1001/10.1

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

W7 I	4.1	0	
Vol	atile	Org	anics

Client ID	Instrument	Lab ID Matrix 2007558-004B Soil		Date Collected		Instrument	Batch ID	
SB-2-2	GC36 OTTERONED			07/10/2020	09:05	GC38 07162033.D	201653	
Analytes Analytes		Result	.18	<u>RL</u>	<u>DF</u>		Date Analyzed	
07/17/2020 04:24			01.0		OM		anelsaA	
<u>Surrogates</u>		REC (%)		<u>Limits</u>				
Dibromofluoromethane		99		66-116			07/17/2020 03:46	
Toluene-d8		108	0.0050	86-110	TIM		07/17/2020 03:46	
4-BFB		101	9200.0	71-114	QVI		07/17/2020 03:46	
Benzene-d6		96	0200.0	62-122	CM	90	07/17/2020 03:46	
Ethylbenzene-d10		96	03.00 0	69-130	GИ		07/17/2020 03:46	
1,2-DCB-d4		81	0.000.0	55-108	CIM		07/17/2020 03:46	
Analyst(s): AK								

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber WorkOrder: 2007558

Extraction Method: SW5030B Analytical Method: SW8260B

Unit:

mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID	
SB-2-5	2007558-005B	Soil	07/10/2020	09:05	GC38 07162034.D	201653	
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed	
Acetone	ND		0.10	1		07/17/2020 04:24	
tert-Amyl methyl ether (TAME)	ND .		0.0050	1		07/17/2020 04:24	
Benzene	ND		0.0050	1		07/17/2020 04:24	
Bromobenzene	ND		0.0050	1		07/17/2020 04:24	
Bromochloromethane	ND		0.0050	1		07/17/2020 04:24	
Bromodichloromethane	ND		0.0050	1		07/17/2020 04:24	
Bromoform	ND		0.0050	1		07/17/2020 04:24	
Bromomethane	ND		0.0050	1		07/17/2020 04:24	
2-Butanone (MEK)	ND		0.050	1		07/17/2020 04:24	
t-Butyl alcohol (TBA)	ND		0.050	1	2-11-	07/17/2020 04:24	
n-Butyl benzene	ND		0.0050	1		07/17/2020 04:24	
sec-Butyl benzene	ND		0.0050	1		07/17/2020 04:24	
tert-Butyl benzene	ND		0.0050	1		07/17/2020 04:24	
Carbon Disulfide	ND		0.0050	1		07/17/2020 04:24	
Carbon Tetrachloride	ND		0.0050	1		07/17/2020 04:24	
Chlorobenzene	ND		0.0050	1		07/17/2020 04:24	
Chloroethane	ND		0.0050	1		07/17/2020 04:24	
Chloroform	ND		0.0050	1	***************************************	07/17/2020 04:24	
Chloromethane	ND		0.0050	1		07/17/2020 04:24	
2-Chlorotoluene	ND		0.0050	1		07/17/2020 04:24	
4-Chlorotoluene	ND		0.0050	1		07/17/2020 04:24	
Dibromochloromethane	ND		0.0050	1		07/17/2020 04:24	
1,2-Dibromo-3-chloropropane	ND		0.0050	1		07/17/2020 04:24	
1,2-Dibromoethane (EDB)	ND		0.0040	1		07/17/2020 04:24	
Dibromomethane	ND		0.0050	1		07/17/2020 04:24	
1,2-Dichlorobenzene	ND		0.0050	1		07/17/2020 04:24	
1,3-Dichlorobenzene	ND		0.0050	1		07/17/2020 04:24	
1,4-Dichlorobenzene	ND		0.0050	1		07/17/2020 04:24	
Dichlorodifluoromethane	ND		0.0050	1		07/17/2020 04:24	
1,1-Dichloroethane	ND		0.0050	1		07/17/2020 04:24	
1,2-Dichloroethane (1,2-DCA)	ND		0.0040	1		07/17/2020 04:24	
1,1-Dichloroethene	ND		0.0050	1		07/17/2020 04:24	
cis-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 04:24	
trans-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 04:24	
1,2-Dichloropropane	ND		0.0050	1		07/17/2020 04:24	
1,3-Dichloropropane	ND		0.0050	1		07/17/2020 04:24	
2,2-Dichloropropane	ND		0.0050	1		07/17/2020 04:24	

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 DATE Shades in the land of the property of the prope

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: 10dmud mg/kg A: 10-1240-01

	Volatile C	Organics	
Client ID tecomestant	Lab ID Matrix	Date Collected	Instrument Batch ID
SB-2-5 (1,4000cento 2000)	2007558-005B Soil	07/10/2020 09:05	GC38 07162034.D 201653
Analytes MA SMI	Result	RL DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050 1	07/17/2020 04:24
cis-1,3-Dichloropropene	ND STREET	0.0050 1	07/17/2020 04:24
trans-1,3-Dichloropropene	ND 311-09	0.0050 1	07/17/2020 04:24
Diisopropyl ether (DIPE)	ND 011-88	0.0050 1	07/17/2020 04:24
Ethylbenzene	ND	0.0050 1	07/17/2020 04:24
Ethyl tert-butyl ether (ETBE)	ND	0.0050 1	07/17/2020 04:24
Freon 113	ND	0.0050 1	07/17/2020 04:24
Hexachlorobutadiene	ND	0.0050 1	07/17/2020 04:24
Hexachloroethane	ND	0.0050 1	07/17/2020 04:24
2-Hexanone	ND	0.0050 1	07/17/2020 04:24
Isopropylbenzene	ND	0.0050 1	07/17/2020 04:24
4-Isopropyl toluene	ND	0.0050 1	07/17/2020 04:24
Methyl-t-butyl ether (MTBE)	ND	0.0050 1	07/17/2020 04:24
Methylene chloride	ND	0.020 1	07/17/2020 04:24
4-Methyl-2-pentanone (MIBK)	ND	0.0050 1	07/17/2020 04:24
Naphthalene	ND	0.0050 1	07/17/2020 04:24
n-Propyl benzene	ND	0.0050 1	07/17/2020 04:24
Styrene	ND	0.0050 1	07/17/2020 04:24
1,1,1,2-Tetrachloroethane	ND	0.0050 1	07/17/2020 04:24
1,1,2,2-Tetrachloroethane	ND	0.0050 1	07/17/2020 04:24
Tetrachloroethene	ND	0.0050 1	07/17/2020 04:24
Toluene	ND	0.0050 1	07/17/2020 04:24
1,2,3-Trichlorobenzene	ND	0.0050 1	07/17/2020 04:24
1,2,4-Trichlorobenzene	ND	0.0050 1	07/17/2020 04:24
1,1,1-Trichloroethane	ND	0.0050 1	07/17/2020 04:24
1,1,2-Trichloroethane	ND	0.0050 1	07/17/2020 04:24
Trichloroethene	ND	0.0050 1	07/17/2020 04:24
Trichlorofluoromethane	ND	0.0050 1	07/17/2020 04:24
1,2,3-Trichloropropane	ND	0.0050 1	07/17/2020 04:24
1,2,4-Trimethylbenzene	ND	0.0050 1	07/17/2020 04:24
1,3,5-Trimethylbenzene	ND	0.0050 1	07/17/2020 04:24
Vinyl Chloride	ND	0.0050 1	07/17/2020 04:24
m,p-Xylene	ND	0.0050 1	07/17/2020 04:24
o-Xylene	ND	0.0050 1	07/17/2020 04:24
Xylenes, Total	ND	0.0050 1	07/17/2020 04:24

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Volatile Organics									
Client ID	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID			
SB-2-5	5 2007558-005B Soil 07/10/2020 09:05 GC38 0		GC38 07162034.D	201653					
<u>Analytes</u>	Result		<u>RL</u>	DF		Date Analyzed			
Surrogates	REC (%)		<u>Limits</u>						
Dibromofluoromethane	99		66-116			07/17/2020 04:24			
Toluene-d8	109		86-110			07/17/2020 04:24			
4-BFB	101		71-114			07/17/2020 04:24			
Benzene-d6	92		62-122	4.3		07/17/2020 04:24			
Ethylbenzene-d10	91		69-130			07/17/2020 04:24			
1,2-DCB-d4	-DCB-d4 78		55-108			07/17/2020 04:24			
Analyst(s): AK									

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 December 1 State of St

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B

Analytical Method: SW8260B USW INTO share good share

Unit: 12d and 1 mg/kg (A ; 10 5 h 0 s 0)

Volatile Organics

Acetone ND 0.10 1 0 tert-Amyl methyl ether (TAME) ND 0.0050 1 0 Berzene ND 0.0050 1 0 Bromobenzene ND 0.0050 1 0 Bromodichloromethane ND 0.0050 1 0 2-Butanone (MEK) ND 0.050 1 0 2-Butanone (MEK) ND 0.050 1 0 2-Butanone (MEK) ND 0.0550 1 0	Client ID	Instrument	Lab II	D Matrix	Date Coll	ected	Instrument	Batch ID
Acetone	SB-5-2	GC35 07/62036.0	2007558-011A Soil		07/10/2020 10:25		GC38 07162035.D	201653
tert-Amyl methyl ether (TAME) ND 0.0550 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Analytes Manager		Result	19	RL	<u>DF</u>		Date Analyzed
Benzene	Acetone		ND		0.10	1 04		07/17/2020 05:02
Bromobenzene ND 0.0050 1 0 Bromochtoromethane ND 0.0050 1 0 Bromodichloromethane ND 0.0050 1 0 Bromoform ND 0.0050 1 0 Bromomethane ND 0.0050 1 0 2-Butanone (MEK) ND 0.050 1 0 1-Butyl alcohol (TBA) ND 0.050 1 0 -Butyl benzene ND 0.0050 1 0 -Butyl benzene ND 0.0050 1 0 sec-Butyl benzene ND 0.0050 1 0 tert-Butyl benzene ND 0.0050 1 0 carbon Tetrachloride ND 0.0050 1 0 Carbon Tetrachloride ND 0.0050 1 0 Chloroethane ND 0.0050 1 0 Chloroform ND 0.0050 1 0 Chlorof	tert-Amyl methyl et	ther (TAME)	ND	0.0000	0.0050	1 🗆 /	309	07/17/2020 05:02
Bromochloromethane	Benzene		ND	0.0050	0.0050	1,04	snoqu	07/17/2020 05:02
Bromodichloromethane	Bromobenzene		ND	0300.0	0.0050	1 (14)	(391	07/17/2020 05:02
Bromoform	Bromochlorometha	ine	ND	0,0050	0.0050	1 014		07/17/2020 05:02
Brommethane	Bromodichlorometh	hane	ND	0.0050	0.0050	1 00	(Balley)	07/17/2020 05:02
2-Butanone (MEK) ND 0.050 1 0 t-Butyl alcohol (TBA) ND 0.050 1 0 n-Butyl benzene ND 0.0050 1 0 sec-Butyl benzene ND 0.0050 1 0 tert-Butyl benzene ND 0.0050 1 0 Carbon Disulfide ND 0.0050 1 0 Carbon Disulfide ND 0.0050 1 0 Carbon Tetrachloride ND 0.0050 1 0 Chlorobenzene ND 0.0050 1 0 Chlorotenare ND 0.0050 1 0 Chlorotenare ND 0.0050 1 0 Chlorotenare ND 0.0050 1 0 Chlorotoluene ND 0.0050 1 0 4-Chlorotoluene ND 0.0050 1 0 4-Chlorotoluene ND 0.0050 1 0 Dibromoch	Bromoform		ND	0.0000	0.0050	1 014		07/17/2020 05:02
EButyl alcohol (TBA)	Bromomethane		ND	0300.0	0.0050	1 CM	a	07/17/2020 05:02
n-Butyl benzene ND 0.0050 1 0.0050 sec-Butyl benzene ND 0.0050 1 0.0050 tert-Butyl benzene ND 0.0050 1 0.0050 Carbon Disulfide ND 0.0050 1 0.0050 Carbon Tetrachloride ND 0.0050 1 0.0050 Chlorobenzene ND 0.0050 1 0.0050 Chloroethane ND 0.0050 1 0.0050 Chloroform ND 0.0050 1 0.0050 Chloromethane ND 0.0050 1 0.0050 Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dibromo-dhane (EDB) ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND	2-Butanone (MEK)		ND	0.0000	0.050	1 GM	II	07/17/2020 05:02
sec-Butyl benzene ND 0.0050 1 0.0050 tert-Butyl benzene ND 0.0050 1 0.0050 Carbon Disulfide ND 0.0050 1 0.0050 Carbon Tetrachloride ND 0.0050 1 0.0050 Chlorobenzene ND 0.0050 1 0.0050 Chlorotethane ND 0.0050 1 0.0050 Chloroform ND 0.0050 1 0.0050 Chlorotoluene ND 0.0050 1 0.0050 C-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND	t-Butyl alcohol (TB/	A)	ND	0600.0	0.050	1 GM		07/17/2020 05:02
tert-Butyl benzene ND 0.0050 1 07 Carbon Disulfide ND 0.0050 1 07 Carbon Tetrachloride ND 0.0050 1 07 Chlorobenzene ND 0.0050 1 07 Chlorotethane ND 0.0050 1 07 Chloroform ND 0.0050 1 07 Chlorotoluene ND 0.0050 1 07 4-Chlorotoluene ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07<	n-Butyl benzene		ND	0.0050	0.0050	1.014		07/17/2020 05:02
tert-Butyl benzene ND 0.0050 1 07 Carbon Disulfide ND 0.0050 1 07 Carbon Tetrachloride ND 0.0050 1 07 Chlorobenzene ND 0.0050 1 07 Chlorotethane ND 0.0050 1 07 Chloroform ND 0.0050 1 07 Chlorotoluene ND 0.0050 1 07 4-Chlorotoluene ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07<	sec-Butyl benzene		ND	050000	0.0050	1 014		07/17/2020 05:02
Carbon Tetrachloride ND 0.0050 1 0.0050 Chlorobenzene ND 0.0050 1 0.0050 Chloroform ND 0.0050 1 0.0050 Chloroform ND 0.0050 1 0.0050 Chlorotoluene ND 0.0050 1 0.0050 2-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 1,2-Dibromoethane ND 0.0050 1 0.0050 1,2-Dibromoethane (EDB) ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,3-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichlorobenzene ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,1-Dichloroethene ND 0.005		N.	ND	0.04.0	0.0050	1 011	(HSDM)	07/17/2020 05:02
Chlorobenzene ND 0.0050 1 0 Chloroethane ND 0.0050 1 0 Chloroform ND 0.0050 1 0 Chloromethane ND 0.0050 1 0 2-Chlorotoluene ND 0.0050 1 0 4-Chlorotoluene ND 0.0050 1 0 4-Chlorotoluene ND 0.0050 1 0 Dibromochloromethane ND 0.0050 1 0 1,2-Dibromochloromethane ND 0.0050 1 0 1,2-Dibromochloromethane (EDB) ND 0.0050 1 0 1,2-Dibromoethane (EDB) ND 0.0040 1 0 1,2-Dichlorobenzene ND 0.0050 1 0 1,2-Dichlorobenzene ND 0.0050 1 0 1,1-Dichloroethane ND 0.0050 1 0 1,1-Dichloroethane ND 0.0050 1 0 <	Carbon Disulfide		ND	0.020	0.0050	109		07/17/2020 05:02
Chloroethane ND 0.0050 1 0.0050 Chloroform ND 0.0050 1 0.0050 Chlorotoluene ND 0.0050 1 0.0050 2-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 1,2-Dibromochloromethane ND 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dibromoethane (EDB) ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichloroethane ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,1-Dichloroethene N	Carbon Tetrachloric	de	ND	0800 ti	0.0050	1 971	ne (Mark)	07/17/2020 05:02
Chloroform ND 0.0050 1 0.0050 Chloroteluene ND 0.0050 1 0.0050 2-Chlorotoluene ND 0.0050 1 0.0050 4-Chlorotoluene ND 0.0050 1 0.0050 Dibromochloromethane ND 0.0050 1 0.07 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.07 1,2-Dibromoethane (EDB) ND 0.0040 1 0.07 1,2-Dichlorobenzene ND 0.0050 1 0.07 1,2-Dichlorobenzene ND 0.0050 1 0.07 1,4-Dichlorobenzene ND 0.0050 1 0.07 1,4-Dichloroethane ND 0.0050 1 0.07 1,1-Dichloroethane ND 0.0050 1 0.07 1,2-Dichloroethane ND 0.0050 1 0.07 1,1-Dichloroethene ND 0.0050 1 0.07 1,2-Dichloroethene ND <td< td=""><td>Chlorobenzene</td><td></td><td>ND</td><td>0.0050</td><td>0.0050</td><td>1 UV</td><td></td><td>07/17/2020 05:02</td></td<>	Chlorobenzene		ND	0.0050	0.0050	1 UV		07/17/2020 05:02
Chloromethane ND 0.0050 1 07 2-Chlorotoluene ND 0.0050 1 07 4-Chlorotoluene ND 0.0050 1 07 4-Chlorotoluene ND 0.0050 1 07 1,2-Dibromochloromethane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0040 1 07 1,2-Dichlorobenzene (EDB) ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethane (1,2-DCA) ND 0.0050 1 07 1,1-Dichloroethene ND 0.0050 1 07 cis-1,2-Dichloroethene ND 0.0050 1 07 trans-1,2-Dichloroethene ND 0.0050 </td <td>Chloroethane</td> <td></td> <td>ND</td> <td>0.90010.</td> <td>0.0050</td> <td>1 00</td> <td></td> <td>07/17/2020 05:02</td>	Chloroethane		ND	0.90010.	0.0050	1 00		07/17/2020 05:02
2-Chlorotoluene ND 0.0050 1 07 4-Chlorotoluene ND 0.0050 1 07 Dibromochloromethane ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0040 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethane (1,2-DCA) ND 0.0050 1 07 1,2-Dichloroethene ND 0.0050 1 07 cis-1,2-Dichloroethene ND 0.0050 1 07 trans-1,2-Dichloroethene ND 0.0050 1 07 trans-1,2-Dichloroethene ND	Chloroform		ND	0609.0	0.0050	1 0 M		07/17/2020 05:02
4-Chlorotoluene ND 0.0050 1 07 Dibromochloromethane ND 0.0050 1 07 1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0040 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,2-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethene ND 0.0050 1 07 1,2-Dichloroethene ND 0.0050 1 07 1,2-Dichloroethene ND 0.0050 1 07 1,2-Dichloroethene ND 0.0050	Chloromethane		ND	0.500.0	0.0050	1 68	emette	07/17/2020 05:02
Dibromochloromethane ND 400 0.0050 1 0.0050 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.0050 1,2-Dibromoethane (EDB) ND 0.0040 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,3-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichlorobenzene ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,1-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloroethene ND 0.0050 1 0.0050 <	2-Chlorotoluene		ND	0800.0	0.0050	1 091	enadje	07/17/2020 05:02
Instruction of the trained ND 0.0050 1 0.7 1,2-Dibromo-3-chloropropane ND 0.0050 1 0.7 1,2-Dibromoethane (EDB) ND 0.0050 1 0.7 Dibromomethane ND 0.0050 1 0.7 1,2-Dichlorobenzene ND 0.0050 1 0.7 1,3-Dichlorobenzene ND 0.0050 1 0.7 1,4-Dichlorobenzene ND 0.0050 1 0.7 1,1-Dichloroethane ND 0.0050 1 0.7 1,2-Dichloroethane ND 0.0050 1 0.7 1,1-Dichloroethane ND 0.0050 1 0.7 1,1-Dichloroethene ND 0.0050 1 0.7 1,2-Dichloroethene ND 0.0050 1 0.7 trans-1,2-Dichloroethene ND 0.0050 1 0.7 1,2-Dichloropropane ND 0.0050 1 0.7	4-Chlorotoluene		ND	osco,o	0.0050	1 0 1		07/17/2020 05:02
1,2-Dibromo-3-chloropropane ND 0.0050 1 07 1,2-Dibromoethane (EDB) ND 0.0040 1 07 Dibromomethane ND 0.0050 1 07 1,2-Dichlorobenzene ND 0.0050 1 07 1,3-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,1-Dichloroethane ND 0.0040 1 07 1,1-Dichloroethene ND 0.0050 1 07 cis-1,2-Dichloroethene ND 0.0050 1 07 trans-1,2-Dichloroethene ND 0.0050 1 07 1,2-Dichloropropane ND 0.0050 1 07	Dibromochlorometh	nane	ND	0.000.0	0.0050	1.00		07/17/2020 05:02
1,2-Dibromoethane (EDB) ND 0.0040 1 0.0050 Dibromomethane ND 0.0050 1 0.0050 1,2-Dichlorobenzene ND 0.0050 1 0.0050 1,3-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichlorobenzene ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,1-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloropropane ND 0.0050 1 0.0050 1			ND	0.000.0	0.0050	1.00	9/10	07/17/2020 05:02
Dibromomethane ND 0.0050 1 0.7 1,2-Dichlorobenzene ND 0.0050 1 0.7 1,3-Dichlorobenzene ND 0.0050 1 0.7 1,4-Dichlorobenzene ND 0.0050 1 0.0050 Dichlorodifluoromethane ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloropropane ND 0.0050 1 0.0050			ND	9800 u	0.0040	1 01/1	3116	07/17/2020 05:02
1,3-Dichlorobenzene ND 0.0050 1 07 1,4-Dichlorobenzene ND 0.0050 1 07 Dichlorodifluoromethane ND 0.0050 1 07 1,1-Dichloroethane ND 0.0050 1 07 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 07 1,1-Dichloroethane ND 0.0050 1 07 cis-1,2-Dichloroethane ND 0.0050 1 07 trans-1,2-Dichloroethane ND 0.0050 1 07 1,2-Dichloropropane ND 0.0050 1 07		(ND	0.600.0	0.0050	1 04	ŝi	07/17/2020 05:02
1,3-Dichlorobenzene ND 0.0050 1 0.0050 1,4-Dichlorobenzene ND 0.0050 1 0.0050 Dichlorodifluoromethane ND 0.0050 1 0.0050 1,1-Dichloroethane ND 0.0050 1 0.0050 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 1,1-Dichloroethene ND 0.0050 1 0.0050 cis-1,2-Dichloroethene ND 0.0050 1 0.0050 trans-1,2-Dichloroethene ND 0.0050 1 0.0050 1,2-Dichloropropane ND 0.0050 1 0.0050	1,2-Dichlorobenzer	ne	ND	0200,0	0.0050	1 01/1	9.0	07/17/2020 05:02
1,4-Dichlorobenzene ND 0.0050 1 0.0050 Dichlorodifluoromethane ND 0.0050 1 0.07 1,1-Dichloroethane ND 0.0050 1 0.07 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 0.07 1,1-Dichloroethene ND 0.0050 1 0.07 cis-1,2-Dichloroethene ND 0.0050 1 0.07 trans-1,2-Dichloroethene ND 0.0050 1 0.07 1,2-Dichloropropane ND 0.0050 1 0.0050			ND	02000	0.0050	1 074		07/17/2020 05:02
1,1-Dichloroethane ND 0.0050 1 0.007 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 <td></td> <td></td> <td></td> <td>0800.0</td> <td>0.0050</td> <td>1.00</td> <td>5/16</td> <td>07/17/2020 05:02</td>				0800.0	0.0050	1.00	5/16	07/17/2020 05:02
1,1-Dichloroethane ND 0.0050 1 0.007 1,2-Dichloroethane (1,2-DCA) ND 0.0040 1 0.0050 <td></td> <td>1000</td> <td></td> <td>M8080 0</td> <td>0.0050</td> <td>1 04</td> <td>3010</td> <td>07/17/2020 05:02</td>		1000		M8080 0	0.0050	1 04	3010	07/17/2020 05:02
1,2-Dichloroethane (1,2-DCA) ND 0000 0.0040 1 07 1,1-Dichloroethene ND 0.0050 1 07 cis-1,2-Dichloroethene ND 0.0050 1 07 trans-1,2-Dichloroethene ND 0.0050 1 07 1,2-Dichloropropane ND 0.0050 1 07				0,0050		1 17/4	ensi	07/17/2020 05:02
1,1-Dichloroethene ND 0.0050 1 0.0050 1 0.0050 cis-1,2-Dichloroethene ND 0.0050 1 0.0050				0300.0			ene	07/17/2020 05:02
cis-1,2-Dichloroethene ND 0000 1 0000 1 0000 0000 1 0000 0000 0000 1 0000				ostoid				07/17/2020 05:02
trans-1,2-Dichloroethene ND 68000 0.0050 1 MI 07 1,2-Dichloropropane ND 0.0050 1 MI 07				66040-0				07/17/2020 05:02
1,2-Dichloropropane ND 0000 0.0050 1 0 07				0.0000		1 0/4		07/17/2020 05:02
20 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -				0590.0				07/17/2020 05:02
			ND	VI				07/17/2020 05:02
								07/17/2020 05:02

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

Unit:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

mg/kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID	
SB-5-2	2007558-011A	Soil	07/10/2020 10:25		GC38 07162035.D	201653	
Analytes	Result		RL	DF		Date Analyzed	
1,1-Dichloropropene	ND		0.0050	1		07/17/2020 05:02	
cis-1,3-Dichloropropene	ND		0.0050	1		07/17/2020 05:02	
trans-1,3-Dichloropropene	ND .		0.0050	1		07/17/2020 05:02	
Diisopropyl ether (DIPE)	ND		0.0050	1		07/17/2020 05:02	
Ethylbenzene	ND		0.0050	1		07/17/2020 05:02	
Ethyl tert-butyl ether (ETBE)	ND		0.0050	1		07/17/2020 05:02	
Freon 113	ND		0.0050	1 1		07/17/2020 05:02	
Hexachlorobutadiene	ND		0.0050	1		07/17/2020 05:02	
Hexachloroethane	ND		0.0050	1		07/17/2020 05:02	
2-Hexanone	ND		0.0050	1		07/17/2020 05:02	
Isopropylbenzene	ND		0.0050	1		07/17/2020 05:02	
4-Isopropyl toluene	ND	4	0.0050	1		07/17/2020 05:02	
Methyl-t-butyl ether (MTBE)	ND		0.0050	1		07/17/2020 05:02	
Methylene chloride	ND		0.020	1		07/17/2020 05:02	
4-Methyl-2-pentanone (MIBK)	ND		0.0050	1		07/17/2020 05:02	
Naphthalene	ND		0.0050	1		07/17/2020 05:02	
n-Propyl benzene	ND		0.0050	1		07/17/2020 05:02	
Styrene	ND		0.0050	1		07/17/2020 05:02	
1,1,1,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 05:02	
1,1,2,2-Tetrachloroethane	ND)	0.0050	1		07/17/2020 05:02	
Tetrachloroethene	ND		0.0050	1		07/17/2020 05:02	
Toluene	ND	1	0.0050	1 .		07/17/2020 05:02	
1,2,3-Trichlorobenzene	ND .		0.0050	1		07/17/2020 05:02	
1,2,4-Trichlorobenzene	ND	k	0.0050	1		07/17/2020 05:02	
1,1,1-Trichloroethane	ND	x	0.0050	1		07/17/2020 05:02	
1,1,2-Trichloroethane	ND		0.0050	1		07/17/2020 05:02	
Trichloroethene	ND		0.0050	1		07/17/2020 05:02	
Trichlorofluoromethane	ND		0.0050	1		07/17/2020 05:02	
1,2,3-Trichloropropane	ND		0.0050	1		07/17/2020 05:02	
1,2,4-Trimethylbenzene	ND		0.0050	1		07/17/2020 05:02	
1,3,5-Trimethylbenzene	ND	1	0.0050	1		07/17/2020 05:02	
Vinyl Chloride	ND		0.0050	1		07/17/2020 05:02	
m,p-Xylene	ND		0.0050	1		07/17/2020 05:02	
o-Xylene	ND -		0.0050	1		07/17/2020 05:02	
Xylenes, Total	ND	0	0.0050	1		07/17/2020 05:02	

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 MSW// should Maximulan &

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B (05/04/10 charless) and

Analytical Method: SW8260B WWW therespecial study

Unit: under ung/kg

			Volutile	or games				
Client ID		Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID	
SB-5-2	G038 0/162088.D	2007558-	011A Soil	07/10/2020 10:25		GC38 07162035.D	201653	
Analytes MANALED		Result	JE	RL	<u>DF</u>		Date Analyzed	
07/17/2020 05:40			0.10		OM		Acelone	
Surrogates		REC (%)		<u>Limits</u>				
Dibromofluoromethane		102		66-116			07/17/2020 05:02	
Toluene-d8		110	0.0050	86-110	GM		07/17/2020 05:02	
4-BFB		103	0.0050	71-114	Gla		07/17/2020 05:02	
Benzene-d6		103	0.00.0	62-122	du	Dis.	07/17/2020 05:02	
Ethylbenzene-d10		96	0800 O	69-130	CIM		07/17/2020 05:02	
1,2-DCB-d4		80	0.000.0	55-108	avi		07/17/2020 05:02	
Analyst(s): AK								

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID	
SB-5-5	2007558-012A	Soil	07/10/2020	10:25	GC38 07162036.D	201653	
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed	
Acetone	ND		0.10	1		07/17/2020 05:40	
tert-Amyl methyl ether (TAME)	ND		0.0050	1		07/17/2020 05:40	
Benzene	ND		0.0050	1		07/17/2020 05:40	
Bromobenzene	ND		0.0050	1		07/17/2020 05:40	
Bromochloromethane	ND		0.0050	1		07/17/2020 05:40	
Bromodichloromethane	ND		0.0050	1		07/17/2020 05:40	
Bromoform	ND		0.0050	1		07/17/2020 05:40	
Bromomethane	ND		0.0050	1		07/17/2020 05:40	
2-Butanone (MEK)	ND		0.050	1		07/17/2020 05:40	
t-Butyl alcohol (TBA)	ND		0.050	1		07/17/2020 05:40	
n-Butyl benzene	ND		0.0050	1		07/17/2020 05:40	
sec-Butyl benzene	ND		0.0050	1		07/17/2020 05:40	
tert-Butyl benzene	ND		0.0050	1		07/17/2020 05:40	
Carbon Disulfide	ND		0.0050	1		07/17/2020 05:40	
Carbon Tetrachloride	ND		0.0050	1		07/17/2020 05:40	
Chlorobenzene	ND		0.0050	1		07/17/2020 05:40	
Chloroethane	ND		0.0050	1		07/17/2020 05:40	
Chloroform	ND		0.0050	1		07/17/2020 05:40	
Chloromethane	ND		0.0050	1		07/17/2020 05:40	
2-Chlorotoluene	ND		0.0050	1		07/17/2020 05:40	
4-Chlorotoluene	ND		0.0050	1		07/17/2020 05:40	
Dibromochloromethane	ND		0.0050	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	07/17/2020 05:40	
1,2-Dibromo-3-chloropropane	ND		0.0050	1		07/17/2020 05:40	
1,2-Dibromoethane (EDB)	ND		0.0040	1		07/17/2020 05:40	
Dibromomethane	ND		0.0050	1		07/17/2020 05:40	
1,2-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:40	
1,3-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:40	
1,4-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:40	
Dichlorodifluoromethane	ND		0.0050	1		07/17/2020 05:40	
1,1-Dichloroethane	ND		0.0050	1		07/17/2020 05:40	
1,2-Dichloroethane (1,2-DCA)	ND		0.0040	1		07/17/2020 05:40	
1,1-Dichloroethene	ND		0.0050	1		07/17/2020 05:40	
cis-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 05:40	
trans-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 05:40	
1,2-Dichloropropane	ND		0.0050	1		07/17/2020 05:40	
1,3-Dichloropropane	ND		0.0050	1		07/17/2020 05:40	
2,2-Dichloropropane	ND		0.0050	1		07/17/2020 05:40	

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 Mac W. S. Shortbake has been all

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Client ID mamarian	Lab ID Holl 91	Matrix	Date Colle	ected	Instrument	Batch ID
SB-5-512 0.889281Y6 8L00	2007558-012A	Soil	07/10/2020	10:25	GC38 07162036.D	201653
Analytes and also	Result		<u>RL</u>	DF 🥖		Date Analyzed
1,1-Dichloropropene	ND		0.0050	1		07/17/2020 05:40
cis-1,3-Dichloropropene	ND		0.0050	TA COM		07/17/2020 05:40
trans-1,3-Dichloropropene	ND 811-58		0.0050	1 88	er	07/17/2020 05:40
Diisopropyl ether (DIPE)	ND 011-83		0.0050	1	Ŷ	07/17/2020 05:40
Ethylbenzene	ND		0.0050	1 1/18		07/17/2020 05:40
Ethyl tert-butyl ether (ETBE)	ND		0.0050	1		07/17/2020 05:40
Freon 113	ND		0.0050	-1		07/17/2020 05:40
Hexachlorobutadiene	ND		0.0050	1		07/17/2020 05:40
Hexachloroethane	ND		0.0050	1		07/17/2020 05:40
2-Hexanone	ND		0.0050	1		07/17/2020 05:40
Isopropylbenzene	ND		0.0050	1		07/17/2020 05:40
4-Isopropyl toluene	ND		0.0050	1		07/17/2020 05:40
Methyl-t-butyl ether (MTBE)	ND		0.0050	1		07/17/2020 05:40
Methylene chloride	ND		0.020	1		07/17/2020 05:40
4-Methyl-2-pentanone (MIBK)	ND		0.0050	1		07/17/2020 05:40
Naphthalene	ND		0.0050	1		07/17/2020 05:40
n-Propyl benzene	ND		0.0050	1		07/17/2020 05:40
Styrene	ND		0.0050	1		07/17/2020 05:40
1,1,1,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 05:40
1,1,2,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 05:40
Tetrachloroethene	ND		0.0050	1		07/17/2020 05:40
Toluene	ND		0.0050	1		07/17/2020 05:40
1,2,3-Trichlorobenzene	ND		0.0050	1		07/17/2020 05:40
1,2,4-Trichlorobenzene	ND		0.0050	1		07/17/2020 05:40
1,1,1-Trichloroethane	ND		0.0050	1		07/17/2020 05:40
1,1,2-Trichloroethane	ND		0.0050	1		07/17/2020 05:40
Trichloroethene	ND		0.0050	1		07/17/2020 05:40
Trichlorofluoromethane	ND		0.0050	1		07/17/2020 05:40
1,2,3-Trichloropropane	ND		0.0050	1		07/17/2020 05:40
1,2,4-Trimethylbenzene	ND		0.0050	1		07/17/2020 05:40
1,3,5-Trimethylbenzene	ND		0.0050	1		07/17/2020 05:40
Vinyl Chloride	ND		0.0050	1		07/17/2020 05:40
m,p-Xylene	ND		0.0050	1		07/17/2020 05:40
o-Xylene	ND		0.0050	1		07/17/2020 05:40
Xylenes, Total	ND		0.0050	1		07/17/2020 05:40

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Client ID	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-5-5	2007558-012A	Soil	07/10/2020	10:25	GC38 07162036.D	201653
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
Surrogates	REC (%)		<u>Limits</u>	(r		N (8)
Dibromofluoromethane	95		66-116			07/17/2020 05:40
Toluene-d8	109		86-110			07/17/2020 05:40
4-BFB	99		71-114			07/17/2020 05:40
Benzene-d6	91		62-122			07/17/2020 05:40
Ethylbenzene-d10	91		69-130			07/17/2020 05:40
1,2-DCB-d4	77		55-108			07/17/2020 05:40
Analyst(s): AK						

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 May Will all addults having land

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: 12dmg/m

mg/kg

Volatile Organics

Client ID		Lab ID	ite Coll	Matrix	Date Colle	ected	Instrument	Batch ID
GC15 07162033.0 2 1-7-82		2007558-015A Soil		Soil	07/10/2020	11:15	GC16 07162033.D	201653
Analytes MA Jack		Result		3	RL	DF		Date Analyzed
Acetone		ND			0.10	1 014		07/17/2020 05:02
tert-Amyl methyl ether (TA	AME)	ND	0.000	3	0.0050	1 QV	3/19	07/17/2020 05:02
Benzene		ND	05008	0	0.0050	1 CM	onequ	07/17/2020 05:02
Bromobenzene		ND	5300	0	0.0050	1 014	(39)	07/17/2020 05:02
Bromochloromethane		ND	7200	0	0.0050	1 04		07/17/2020 05:02
Bromodichloromethane		ND	0200.	0.	0.0050	1 44	(aura)	07/17/2020 05:02
Bromoform		ND	0200	0	0.0050	1 014		07/17/2020 05:02
Bromomethane		ND	0800.	Di	0.0050	1 GM	9	07/17/2020 05:02
2-Butanone (MEK)		ND	0200	3	0.050	1 QM	Ã:	07/17/2020 05:02
t-Butyl alcohol (TBA)		ND	0890)	0.050	1 0%		07/17/2020 05:02
n-Butyl benzene		ND	0800	0	0.0050	1 094		07/17/2020 05:02
sec-Butyl benzene		ND	08000)	0.0050	1 01/1		07/17/2020 05:02
tert-Butyl benzene		ND	.0050		0.0050	1 GM	(BEE)	07/17/2020 05:02
Carbon Disulfide		ND	USTON)	0.0050	1 GM		07/17/2020 05:02
Carbon Tetrachloride		ND	0800	9	0.0050	1 CM	nr (MPRK)	07/17/2020 05:02
Chlorobenzene		ND	0800.)	0.0050	1 014		07/17/2020 05:02
Chloroethane		ND	0800)	0.0050	1 U/4		07/17/2020 05:02
Chloroform		ND	0.490.0	3	0.0050	1 00		07/17/2020 05:02
Chloromethane		ND	0.000.9)	0.0050	1 QM	phsette	07/17/2020 05:02
2-Chlorotoluene		ND	0800.0	2	0.0050	1 0/4	enadi	07/17/2020 05:02
4-Chlorotoluene		ND	7200.0	91	0.0050	1 🗆		07/17/2020 05:02
Dibromochloromethane		ND	0200		0.0050	1 00		07/17/2020 05:02
1,2-Dibromo-3-chloropropa	ane	ND	08000)	0.0050	1 04	en.	07/17/2020 05:02
1,2-Dibromoethane (EDB)	(ND	0300.1	;	0.0040	1 G/4	3016	07/17/2020 05:02
Dibromomethane		ND	0409.1	2	0.0050	1 014	¢)	07/17/2020 05:02
1,2-Dichlorobenzene		ND	00000)	0.0050	1 00	91	07/17/2020 05:02
1,3-Dichlorobenzene		ND	(E)(1)	à	0.0050	1 G/A		07/17/2020 05:02
1,4-Dichlorobenzene		ND	08000)	0.0050	1.074	DELE	07/17/2020 05:02
Dichlorodifluoromethane		ND	nanor		0.0050	1 (30)	an	07/17/2020 05:02
1,1-Dichloroethane		ND	0600.)	0.0050	1 OV	2002	07/17/2020 05:02
1,2-Dichloroethane (1,2-D	CA)	ND	08007	3	0.0040	1 04	5(15)	07/17/2020 05:02
1,1-Dichloroethene		ND	9200,0	1	0.0050	1 Ø		07/17/2020 05:02
cis-1,2-Dichloroethene		, ND	0809.0)	0.0050	1 01/2		07/17/2020 05:02
trans-1,2-Dichloroethene		ND	OFOC I		0.0050	1.04		07/17/2020 05:02
1,2-Dichloropropane		ND	(300.0)	0.0050	1		07/17/2020 05:02
1,3-Dichloropropane		ND			0.0050	1		07/17/2020 05:02
2,2-Dichloropropane		ND			0.0050	1		07/17/2020 05:02

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: mg/kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-7-1	2007558-015A	Soil	07/10/2020 1	11:15	GC16 07162033.D	201653
<u>Analytes</u>	Result	n.	<u>RL</u>	<u>DF</u>		Date Analyzed
1,1-Dichloropropene	ND		0.0050	1		07/17/2020 05:02
cis-1,3-Dichloropropene	ND		0.0050	1		07/17/2020 05:02
trans-1,3-Dichloropropene	ND	E.	0.0050	1		07/17/2020 05:02
Diisopropyl ether (DIPE)	ND		0.0050	1		07/17/2020 05:02
Ethylbenzene	ND		0.0050	1		07/17/2020 05:02
Ethyl tert-butyl ether (ETBE)	ND		0.0050	1		07/17/2020 05:02
Freon 113	ND		0.0050	1		07/17/2020 05:02
Hexachlorobutadiene	ND		0.0050	1		07/17/2020 05:02
Hexachloroethane	ND		0.0050	1		07/17/2020 05:02
2-Hexanone	ND	15.	0.0050	1		07/17/2020 05:02
Isopropylbenzene	ND		0.0050	1		07/17/2020 05:02
4-Isopropyl toluene	ND		0.0050	1		07/17/2020 05:02
Methyl-t-butyl ether (MTBE)	ND		0.0050	1		07/17/2020 05:02
Methylene chloride	ND		0.020	1		07/17/2020 05:02
4-Methyl-2-pentanone (MIBK)	ND		0.0050	1		07/17/2020 05:02
Naphthalene	ND	1	0.0050	1		07/17/2020 05:02
n-Propyl benzene	ND		0.0050	1		07/17/2020 05:02
Styrene	ND		0.0050	1		07/17/2020 05:02
1,1,1,2-Tetrachloroethane	ND		0.0050	1	,	07/17/2020 05:02
1,1,2,2-Tetrachloroethane	ND		0.0050	1		07/17/2020 05:02
Tetrachloroethene	ND		0.0050	1		07/17/2020 05:02
Toluene	ND		0.0050	1		07/17/2020 05:02
1,2,3-Trichlorobenzene	ND		0.0050	1	A ^{rr}	07/17/2020 05:02
1,2,4-Trichlorobenzene	ND		0.0050	1		07/17/2020 05:02
1,1,1-Trichloroethane	ND		0.0050	1		07/17/2020 05:02
1,1,2-Trichloroethane	ND		0.0050	1		07/17/2020 05:02
Trichloroethene	ND		0.0050	1		07/17/2020 05:02
Trichlorofluoromethane	ND		0.0050	1		07/17/2020 05:02
1,2,3-Trichloropropane	ND	0	0.0050	1		07/17/2020 05:02
1,2,4-Trimethylbenzene	ND		0.0050	1		07/17/2020 05:02
1,3,5-Trimethylbenzene	ND		0.0050	1		07/17/2020 05:02
Vinyl Chloride	ND		0.0050	1		07/17/2020 05:02
m,p-Xylene	ND		0.0050	1		07/17/2020 05:02
o-Xylene	ND		0.0050	1	income comment of the second of	07/17/2020 05:02
Xylenes, Total	ND		0.0050	1		07/17/2020 05:02

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 00 28 7/8 2000 05 8/8 4 2000 05 8/8

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Vo	latile	Oı	gan	ics

Volatile Organics								
Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID		
SB-7-1	GC16 07162034.0	2007558-015A Soil		07/10/2020	11:15	GC16 07162033.D	201653	
Analytes Analytes		Result	18	<u>RL</u>	<u>DF</u>		Date Analyzed	
07/17/2020 05:43			010		QV.		and as A	
Surrogates		REC (%)	Qualifiers	<u>Limits</u>				
Dibromofluoromethane		102		66-116			07/17/2020 05:02	
Toluene-d8		114	((app.a S	86-110	avi		07/17/2020 05:02	
4-BFB gagggaga		108	0.0050	71-114	ON		07/17/2020 05:02	
Benzene-d6		102	U2000 0	62-122	GM	A)	07/17/2020 05:02	
Ethylbenzene-d10		112	dano n	69-130	171/4		07/17/2020 05:02	
1,2-DCB-d4		77	67:00:0	55-108	(3)/4		07/17/2020 05:02	
Analyst(s): KF				Analytical Com	ments: c2			

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-7-5	2007558-017A	Soil	07/10/2020	11:15	GC16 07162034.D	201653
Analytes	Result		RL	DF		Date Analyzed
Acetone	ND		0.10	1		07/17/2020 05:43
tert-Amyl methyl ether (TAME)	ND		0.0050	1		07/17/2020 05:43
Benzene	ND		0.0050	1	*1	07/17/2020 05:43
Bromobenzene	ND		0.0050	1		07/17/2020 05:43
Bromochloromethane	ND		0.0050	1		07/17/2020 05:43
Bromodichloromethane	ND		0.0050	1		07/17/2020 05:43
Bromoform	ND		0.0050	1		07/17/2020 05:43
Bromomethane	ND		0.0050	1		07/17/2020 05:43
2-Butanone (MEK)	ND		0.050	1		07/17/2020 05:43
t-Butyl alcohol (TBA)	ND		0.050	1		07/17/2020 05:43
n-Butyl benzene	ND		0.0050	1		07/17/2020 05:43
sec-Butyl benzene	ND		0.0050	1		07/17/2020 05:43
tert-Butyl benzene	ND		0.0050	1		07/17/2020 05:43
Carbon Disulfide	ND	2	0.0050	1		07/17/2020 05:43
Carbon Tetrachloride	ND		0.0050	1		07/17/2020 05:43
Chlorobenzene	ND		0.0050	1		07/17/2020 05:43
Chloroethane	ND		0.0050	1		07/17/2020 05:43
Chloroform	ND		0.0050	1		07/17/2020 05:43
Chloromethane	ND		0.0050	1		07/17/2020 05:43
2-Chlorotoluene	ND		0.0050	1		07/17/2020 05:43
4-Chlorotoluene	ND		0.0050	1		07/17/2020 05:43
Dibromochloromethane	ND		0.0050	1		07/17/2020 05:43
1,2-Dibromo-3-chloropropane	ND		0.0050	1		07/17/2020 05:43
1,2-Dibromoethane (EDB)	ND		0.0040	1		07/17/2020 05:43
Dibromomethane	ND		0.0050	1		07/17/2020 05:43
1,2-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:43
1,3-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:43
1,4-Dichlorobenzene	ND		0.0050	1		07/17/2020 05:43
Dichlorodifluoromethane	ND		0.0050	1		07/17/2020 05:43
1,1-Dichloroethane	ND		0.0050	1		07/17/2020 05:43
1,2-Dichloroethane (1,2-DCA)	ND		0.0040	1		07/17/2020 05:43
1,1-Dichloroethene	ND		0.0050	1		07/17/2020 05:43
cis-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 05:43
trans-1,2-Dichloroethene	ND		0.0050	1		07/17/2020 05:43
1,2-Dichloropropane	ND		0.0050	1		07/17/2020 05:43
1,3-Dichloropropane	ND		0.0050	1		07/17/2020 05:43
2,2-Dichloropropane	ND		0.0050	1		07/17/2020 05:43

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 Death // See Booking Medical plans

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B 05 4 15 0 days ages 9 stard

Unit: mg/kg: A: 10-540-01

Client ID	Instrument	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-7-5	SB-7-512 (0.80959770 8700)		-017A Soil	07/10/2020	11:15	GC16 07162034.D	201653
Analytes and shall		Result	JET.	<u>RL</u>	<u>DF</u>		Date Analyzed
1,1-Dichloroprope	ene	ND		0.0050	1		07/17/2020 05:43
cis-1,3-Dichlorop	ropene	ND	0.00110.4	0.0050	OK JULIA		07/17/2020 05:43
trans-1,3-Dichlore	opropene	ND	65-116	0.0050	101	91	07/17/2020 05:43
Diisopropyl ether	(DIPE)	ND	86.110	0.0050	1		07/17/2020 05:43
Ethylbenzene	y .	ND	E1-114	0.0050	1		07/17/2020 05:43
Ethyl tert-butyl et	her (ETBE)	ND	271-70	0.0050	1	2 22	07/17/2020 05:43
Freon 113		ND	DETRU	0.0050	1		07/17/2020 05:43
Hexachlorobutad	iene	ND	THAT HES	0.0050	1		07/17/2020 05:43
Hexachloroethan	е	ND	Analytical Loan	0.0050	1		07/17/2020 05:43
2-Hexanone		ND		0.0050	1		07/17/2020 05:43
Isopropylbenzene	9	ND		0.0050	1		07/17/2020 05:43
4-Isopropyl toluer	ne	ND		0.0050	1		07/17/2020 05:43
Methyl-t-butyl eth	er (MTBE)	ND		0.0050	1		07/17/2020 05:43
Methylene chloric	de	ND		0.020	1		07/17/2020 05:43
4-Methyl-2-pentar	none (MIBK)	ND		0.0050	1		07/17/2020 05:43
Naphthalene		ND		0.0050	1		07/17/2020 05:43
n-Propyl benzene	9	ND		0.0050	1		07/17/2020 05:43
Styrene		ND		0.0050	1		07/17/2020 05:43
1,1,1,2-Tetrachlo	roethane	ND		0.0050	1		07/17/2020 05:43
1,1,2,2-Tetrachlo	roethane	ND		0.0050	1		07/17/2020 05:43
Tetrachloroethen	e	ND		0.0050	1		07/17/2020 05:43
Toluene		ND		0.0050	1		07/17/2020 05:43
1,2,3-Trichlorobe	nzene	ND		0.0050	1		07/17/2020 05:43
1,2,4-Trichlorober	nzene	ND		0.0050	1		07/17/2020 05:43
1,1,1-Trichloroeth	nane	ND		0.0050	1		07/17/2020 05:43
1,1,2-Trichloroeth	nane	ND		0.0050	1		07/17/2020 05:43
Trichloroethene		ND		0.0050	1		07/17/2020 05:43
Trichlorofluorome	ethane	ND		0.0050	1		07/17/2020 05:43
1,2,3-Trichloropro	pane	ND		0.0050	1		07/17/2020 05:43
1,2,4-Trimethylbe	enzene	ND		0.0050	1		07/17/2020 05:43
1,3,5-Trimethylbe	enzene	ND		0.0050	1		07/17/2020 05:43
Vinyl Chloride		ND		0.0050	1		07/17/2020 05:43
m,p-Xylene		ND		0.0050	1		07/17/2020 05:43
o-Xylene		ND		0.0050	1		07/17/2020 05:43
Xylenes, Total		ND		0.0050	1		07/17/2020 05:43

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Volatile Organics								
Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID		
SB-7-5	2007558-017A	Soil	07/10/2020	07/10/2020 11:15 GC16 071		201653		
<u>Analytes</u>	<u>Result</u>		RL	<u>DF</u>		Date Analyzed		
Surrogates	REC (%)	Qualifiers	<u>Limits</u>					
Dibromofluoromethane	101		66-116			07/17/2020 05:43		
Toluene-d8	111	S	86-110			07/17/2020 05:43		
4-BFB	110		71-114			07/17/2020 05:43		
Benzene-d6	94		62-122			07/17/2020 05:43		
Ethylbenzene-d10	99		69-130			07/17/2020 05:43		
1,2-DCB-d4	72	1	55-108			07/17/2020 05:43		
Analyst(s): KF			Analytical Com	ments: c	2			

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/18/2020 MS MA shudball look fland

Project: 19-042-01; Antioch Lumber

WorkOrder:

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Extraction Method: SW5030B 00200 000 decided and other

Analytical Method: SW8260B 05281V0 sharingar'i shaff

Unit:

19-042-01: Am**J\g**µLumber

Volatile Organics

Client ID	lastrument	Lab ID	Matrix	Date Col	lected	Instrument	Batch ID
C16 07172036.D 202019H		2007558-003C Water		07/10/2020 13:50		GC16 07172035.D	202085
Analytes Analytes		Result	Result RL DF		DF ⊎R		Date Analyzed
Acetone		ND		40	1 0/1		07/18/2020 05:57
tert-Amyl methyl ether (TA	AME)	ND	0.60	0.50	1 09	8099	07/18/2020 05:57
Benzene		ND	0.50	0.50	1 GM	ensge	07/18/2020 05:57
Bromobenzene		ND	ne.o	0.50	1 014	(BE)	07/18/2020 05:57
Bromochloromethane		ND	0.50	0.50	1 084		07/18/2020 05:57
Bromodichloromethane		ND	0.50	0.50	1 00	(3613)	07/18/2020 05:57
Bromoform		ND	0.50	0.50	1 QM		07/18/2020 05:57
Bromomethane		ND	0/8/0/	0.50	1 0/4	13	07/18/2020 05:57
2-Butanone (MEK)		ND	0.50	5.0	1 04		07/18/2020 05:57
t-Butyl alcohol (TBA)		ND	0.1	5.0	1 0/4		07/18/2020 05:57
n-Butyl benzene		ND	08.0	0.50	1 GM		07/18/2020 05:57
sec-Butyl benzene		ND	0.50	0.50	1 DM		07/18/2020 05:57
tert-Butyl benzene		ND 1	0.50	0.50	1 04	(Edmy)	07/18/2020 05:57
Carbon Disulfide		ND	2.0	0.50	1 0/1		07/18/2020 05:57
Carbon Tetrachloride		ND	03.0	0.50	1 074	es (MIBK)	07/18/2020 05:57
Chlorobenzene		ND	0.1	0.50	1 0/4		07/18/2020 05:57
Chloroethane		ND	0.50	0.50	1 94		07/18/2020 05:57
Chloroform		0.63	0.8.	0.50	1 014		07/18/2020 05:57
Chloromethane		ND	03.0	0.50	1 G//	emitte	07/18/2020 05:57
2-Chlorotoluene		ND	08 4	0.50	1 01/1	enarite	07/18/2020 05:57
4-Chlorotoluene		ND	0.50	0.50	1 0/4		07/18/2020 05:57
Dibromochloromethane		ND	08.0	0.50	1 01/4		07/18/2020 05:57
1,2-Dibromo-3-chloroprop	ane	ND	02.0	1.0	1 04	90-1	07/18/2020 05:57
1,2-Dibromoethane (EDB)		ND	0.50	0.50	1 00	ene	07/18/2020 05:57
Dibromomethane		ND	na n	0.50	1 00	91	07/18/2020 05:57
1,2-Dichlorobenzene		ND	0.50	0.50	1 47	BT	07/18/2020 05:57
1,3-Dichlorobenzene		ND	0.50	0.50	1 30		07/18/2020 05:57
1,4-Dichlorobenzene		ND	0.50	0.50	1.00	5616	07/18/2020 05:57
Dichlorodifluoromethane		ND	03.0	0.50	1 0/4	SOF	07/18/2020 05:57
1,1-Dichloroethane		ND	06.0	0.50	1 04	e nar	07/18/2020 05:57
1,2-Dichloroethane (1,2-D	CA)	ND	De D	0.50	1 04	Qffer*	07/18/2020 05:57
1,1-Dichloroethene		ND	08.0	0.50	1/7//		07/18/2020 05:57
cis-1,2-Dichloroethene		ND	08-M	0.50	1 04		07/18/2020 05:57
trans-1,2-Dichloroethene		ND	0.50	0.50	104		07/18/2020 05:57
1,2-Dichloropropane		ND	(12-71	0.50	1 011		07/18/2020 05:57
1,3-Dichloropropane		ND		0.50	1		07/18/2020 05:57
2,2-Dichloropropane		ND		0.50	1		07/18/2020 05:57

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/18/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B **Analytical Method:** SW8260B

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Unit: μg/L

Client ID	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
HP1	2007558-003C	Water	07/10/2020	13:50	GC16 07172035.D	202085
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
1,1-Dichloropropene	ND		0.50	1		07/18/2020 05:57
cis-1,3-Dichloropropene	ND		0.50	1	N.	07/18/2020 05:57
trans-1,3-Dichloropropene	ND		0.50	1		07/18/2020 05:57
Diisopropyl ether (DIPE)	ND	. Y.	0.50	1		07/18/2020 05:57
Ethylbenzene	ND		0.50	1		07/18/2020 05:57
Ethyl tert-butyl ether (ETBE)	ND		0.50	1		07/18/2020 05:57
Freon 113	ND		0.50	1		07/18/2020 05:57
Hexachlorobutadiene	ND		0.50	1		07/18/2020 05:57
Hexachloroethane	ND	o *	0.50	1		07/18/2020 05:57
2-Hexanone	ND		1.0	1		07/18/2020 05:57
Isopropylbenzene	ND	84	0.50	1		07/18/2020 05:57
4-Isopropyl toluene	ND		0.50	1		07/18/2020 05:57
Methyl-t-butyl ether (MTBE)	ND		0.50	1		07/18/2020 05:57
Methylene chloride	ND		2.0	1		07/18/2020 05:57
4-Methyl-2-pentanone (MIBK)	ND		0.50	1		07/18/2020 05:57
Naphthalene	ND		1.0	1		07/18/2020 05:57
n-Propyl benzene	ND		0.50	1		07/18/2020 05:57
Styrene	ND		2.0	1		07/18/2020 05:57
1,1,1,2-Tetrachloroethane	ND		0.50	1		07/18/2020 05:57
1,1,2,2-Tetrachloroethane	ND		0.50	1		07/18/2020 05:57
Tetrachloroethene	ND		0.50	1		07/18/2020 05:57
Toluene	ND		0.50	1		07/18/2020 05:57
1,2,3-Trichlorobenzene	ND		0.50	1		07/18/2020 05:57
1,2,4-Trichlorobenzene	ND		0.50	1		07/18/2020 05:57
1,1,1-Trichloroethane	ND		0.50	1	3 5 5 5 6 3 4 5	07/18/2020 05:57
1,1,2-Trichloroethane	ND		0.50	1		07/18/2020 05:57
Trichloroethene	ND		0.50	1		07/18/2020 05:57
Trichlorofluoromethane	ND		0.50	1		07/18/2020 05:57
1,2,3-Trichloropropane	ND		0.50	1		07/18/2020 05:57
1,2,4-Trimethylbenzene	ND		0.50	1		07/18/2020 05:57
1,3,5-Trimethylbenzene	ND	1	0.50	1	v "	07/18/2020 05:57
Vinyl Chloride	ND		0.50	1		07/18/2020 05:57
m,p-Xylene	ND		0.50	1 .		07/18/2020 05:57
o-Xylene	ND		0.50	1		07/18/2020 05:57
Xylenes, Total	ND		0.50	1		07/18/2020 05:57

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/18/2020 DAWN about M family lon A

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B 000 R 1000 streamper I shall

Unit:

μg/L

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Vo	atil	e	()	rga	nics

volatile Organics								
Client ID	Instrument	Lab ID Matrix 2007558-003C Water		Date Collected		Instrument	Batch ID	
HP10505	GS15 07782011.D			07/10/2020	13:50	GC16 07172035.D	202085	
Analytes No. 1920		Result	18	<u>RL</u>	<u>DF</u>		Date Analyzed	
07/16/20/0 13:45			05		GM		anntsa/	
Surrogates		REC (%)		<u>Limits</u>				
Dibromofluoromethan	е	106		78-112			07/18/2020 05:57	
Toluene-d8		95	08.0	82-109	Cyt		07/18/2020 05:57	
4-BFB		97	0850	63-121	C/14	, , , , , , , , , , , , , , , , , , , ,	07/18/2020 05:57	
Analyst(s): KF		†	0,50,		GM	90	Bramodici loromedis	

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/18/2020

Project: 1

19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

μg/L

Volatile Organics

Unit:

Client ID	Lab ID	Matrix	Date Collected 07/10/2020 14:30		Instrument	Batch ID
HP7	2007558-018C	Water			GC16 07182011.D	202090
<u>Analytes</u>	Result		<u>RL</u>	DF		Date Analyzed
Acetone	ND		40	1		07/18/2020 13:45
tert-Amyl methyl ether (TAME)	ND		0.50	1		07/18/2020 13:45
Benzene	ND		0.50	1		07/18/2020 13:45
Bromobenzene	ND		0.50	1		07/18/2020 13:45
Bromochloromethane	ND		0.50	1		07/18/2020 13:45
Bromodichloromethane	ND		0.50	1		07/18/2020 13:45
Bromoform	ND		0.50	1		07/18/2020 13:45
Bromomethane	ND		0.50	1		07/18/2020 13:45
2-Butanone (MEK)	ND		5.0	1		07/18/2020 13:45
t-Butyl alcohol (TBA)	ND		5.0	1		07/18/2020 13:45
n-Butyl benzene	ND		0.50	1		07/18/2020 13:45
sec-Butyl benzene	ND		0.50	1		07/18/2020 13:45
tert-Butyl benzene	ND		0.50	1		07/18/2020 13:45
Carbon Disulfide	ND		0.50	1		07/18/2020 13:45
Carbon Tetrachloride	ND		0.50	1	102.2.3	07/18/2020 13:45
Chlorobenzene	ND		0.50	1		07/18/2020 13:45
Chloroethane	ND		0.50	1		07/18/2020 13:45
Chloroform	ND		0.50	1	\$100 mm ang and a second a second and a second a second and a second a second and a	07/18/2020 13:45
Chloromethane	ND		0.50	1		07/18/2020 13:45
2-Chlorotoluene	ND		0.50	1		07/18/2020 13:45
4-Chlorotoluene	ND		0.50	1		07/18/2020 13:45
Dibromochloromethane	ND		0.50	1		07/18/2020 13:45
1,2-Dibromo-3-chloropropane	ND		1.0	1		07/18/2020 13:45
1,2-Dibromoethane (EDB)	ND		0.50	1		07/18/2020 13:45
Dibromomethane	ND		0.50	1		07/18/2020 13:45
1,2-Dichlorobenzene	ND		0.50	1		07/18/2020 13:45
1,3-Dichlorobenzene	ND		0.50	1		07/18/2020 13:45
1,4-Dichlorobenzene	ND		0.50	1		07/18/2020 13:45
Dichlorodifluoromethane	ND		0.50	1		07/18/2020 13:45
1,1-Dichloroethane	ND		0.50	1		07/18/2020 13:45
1,2-Dichloroethane (1,2-DCA)	ND		0.50	1		07/18/2020 13:45
1,1-Dichloroethene	ND		0.50	1		07/18/2020 13:45
cis-1,2-Dichloroethene	ND		0.50	1		07/18/2020 13:45
trans-1,2-Dichloroethene	ND		0.50	1		07/18/2020 13:45
1,2-Dichloropropane	ND		0.50	1		07/18/2020 13:45
1,3-Dichloropropane	ND		0.50	1		07/18/2020 13:45
2,2-Dichloropropane	ND		0.50	1		07/18/2020 13:45

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 2 should be moltrown as

Project:

Date Prepared: 07/18/2020 MER/F2 should all toolinds at A

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B 08 31000 days apail and

Unit:

radgmLμg/LmA;10-116-01

Client ID magnument	Lab ID Matrix	Date Collected	Instrument	Batch ID
GC15 07132011.D 202.79H	2007558-018C Water	07/10/2020 14:30	GC16 07182011.D	202090
Analytes nA GEO	Result	RL DF	1	Date Analyzed
1,1-Dichloropropene	ND	0.50 1		07/18/2020 13:45
cis-1,3-Dichloropropene	ND SIME	0.50 1		07/18/2020 13:45
trans-1,3-Dichloropropene	78/112 DN	0.50 1	5/	07/18/2020 13:45
Diisopropyl ether (DIPE)	ND (M) 488	0.50 1		07/18/2020 13:45
Ethylbenzene	ND FELSE	0.50 1		07/18/2020 13:45
Ethyl tert-butyl ether (ETBE)	ND	0.50 1		07/18/2020 13:45
Freon 113	ND	0.50 1		07/18/2020 13:45
Hexachlorobutadiene	ND	0.50 1		07/18/2020 13:45
Hexachloroethane	ND	0.50 1		07/18/2020 13:45
2-Hexanone	ND	1.0 1		07/18/2020 13:45
Isopropylbenzene	ND	0.50 1		07/18/2020 13:45
4-Isopropyl toluene	ND	0.50 1		07/18/2020 13:45
Methyl-t-butyl ether (MTBE)	ND	0.50 1		07/18/2020 13:45
Methylene chloride	ND	2.0 1		07/18/2020 13:45
4-Methyl-2-pentanone (MIBK)	ND	0.50 1		07/18/2020 13:45
Naphthalene	ND	1.0 1		07/18/2020 13:45
n-Propyl benzene	ND	0.50 1		07/18/2020 13:45
Styrene	ND	2.0 1		07/18/2020 13:45
1,1,1,2-Tetrachloroethane	ND	0.50 1		07/18/2020 13:45
1,1,2,2-Tetrachloroethane	ND	0.50 1		07/18/2020 13:45
Tetrachloroethene	ND	0.50 1		07/18/2020 13:45
Toluene	ND	0.50 1		07/18/2020 13:45
1,2,3-Trichlorobenzene	ND	0.50 1		07/18/2020 13:45
1,2,4-Trichlorobenzene	ND	0.50 1		07/18/2020 13:45
1,1,1-Trichloroethane	ND	0.50 1		07/18/2020 13:45
1,1,2-Trichloroethane	ND	0.50 1		07/18/2020 13:45
Trichloroethene	ND	0.50 1		07/18/2020 13:45
Trichlorofluoromethane	ND	0.50 1		07/18/2020 13:45
1,2,3-Trichloropropane	ND	0.50 1		07/18/2020 13:45
1,2,4-Trimethylbenzene	ND	0.50 1		07/18/2020 13:45
1,3,5-Trimethylbenzene	ND	0.50 1		07/18/2020 13:45
Vinyl Chloride	ND	0.50 1		07/18/2020 13:45
m,p-Xylene	ND	0.50 1		07/18/2020 13:45
o-Xylene	ND	0.50 1		07/18/2020 13:45
Xylenes, Total	ND	0.50 1		07/18/2020 13:45



Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/18/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Volatile Organics								
Client ID	Lab ID	Matrix	Date Collected	d Instrument	Batch ID			
HP7	2007558-018C	2007558-018C Water		0 GC16 07182011.D	202090			
<u>Analytes</u>	Result		<u>RL</u> D	<u>DF</u>	Date Analyzed			
Surrogates	REC (%)		<u>Limits</u>		6.1			
Dibromofluoromethane	106		78-112		07/18/2020 13:45			
Toluene-d8	94		82-109		07/18/2020 13:45			
4-BFB	96		63-121		07/18/2020 13:45			
Analyst(s): KF								

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Colle	Date Collected		Batch ID
SB-2-2 S G. BY DY STYO 43	2007558	-004A Soil	07/10/2020 08:45		GC21 07182016.D	201664
Analytes and staff	Result	151	<u>RL</u>	<u>DF</u>		Date Analyzed
Acenaphthene	ND		0.0013	1 0/4		07/18/2020 15:49
Acenaphthylene	ND	6.013	0.0013	1 0 4		07/18/2020 15:49
Acetochlor	ND	0.013	0.25	1 014		07/18/2020 15:49
Anthracene	ND	6100	0.0013	1 0 0		07/18/2020 15:49
Benzidine Mark 0	ND	0.25	1.2	1.014	÷	07/18/2020 15:49
Benzo (a) anthracene	ND	6,002	0.013	1 94		07/18/2020 15:49
Benzo (a) pyrene	ND	65mg.0	0.0025	1 044		07/18/2020 15:49
Benzo (b) fluoranthene	ND	0.0025	0.0025	1 0/4		07/18/2020 15:49
Benzo (g,h,i) perylene	ND	0.0013	0.0025	1 024		07/18/2020 15:49
Benzo (k) fluoranthene	ND	0.5	0.0025	1 014	опоре	07/18/2020 15:49
Benzyl Alcohol	ND	0.013	1.2	1 98		07/18/2020 15:49
1,1-Biphenyl 1170	ND	2100	0.013	1 (19)	Side	07/18/2020 15:49
Bis (2-chloroethoxy) Methane	ND	0.25	0.25	1 00		07/18/2020 15:49
Bis (2-chloroethyl) Ether	ND	8100,0	0.0025	1 (79)		07/18/2020 15:49
Bis (2-chloroisopropyl) Ether	ND	£700 0	0.013	1 00		07/18/2020 15:49
Bis (2-ethylhexyl) Adipate	ND	60.0	0.25	1 01/4	(1.19	07/18/2020 15:49
Bis (2-ethylhexyl) Phthalate	ND	0.26	0.025	1 94	m n Creson	07/18/2020 15:49
4-Bromophenyl Phenyl Ether	ND	t rao.n	0.25	1 ØM	4	07/18/2020 15:49
Butylbenzyl Phthalate	ND	<u>\$</u> .r	0.025	1 ()4		07/18/2020 15:49
4-Chloroaniline	ND	1.2	0.0013	1 3/4		07/18/2020 15:49
4-Chloro-3-methylphenol	ND	\$ 1	0.25	1 02		07/18/2020 15:49
2-Chloronaphthalene	ND	0.26	0.25	1 QM		07/18/2020 15:49
2-Chlorophenol	ND	8.1	0.013	1 QN		07/18/2020 15:49
4-Chlorophenyl Phenyl Ether	ND	5.3	0.25	1 GM		07/18/2020 15:49
Chrysene	ND	35.0	0.0025	1.00	anh	07/18/2020 15:49
Dibenzo (a,h) anthracene	ND	112.0	0.0025	1 db	anine	07/18/2020 15:49
Dibenzofuran	ND	, CEQ 0:	0.25	1 GM		07/18/2020 15:49
Di-n-butyl Phthalate	ND	03600	0.013	1 90		07/18/2020 15:49
1,2-Dichlorobenzene	ND	0.0.0	0.25	1 00		07/18/2020 15:49
1,3-Dichlorobenzene	ND	(SEC.)	0.25	1 OM		07/18/2020 15:49
1,4-Dichlorobenzene	ND	£1. d	0.25	1 GV	8 - 8	07/18/2020 15:49
3,3-Dichlorobenzidine	ND	65.0	0.0025	1 044	80	07/18/2020 15:49
2,4-Dichlorophenol	ND	37.00 B	0.0013	1 OM	1	07/18/2020 15:49
Diethyl Phthalate	ND	a200 h	0.013	1 🖽	J	07/18/2020 15:49
2,4-Dimethylphenol	ND		0.25	1		07/18/2020 15:49
Dimethyl Phthalate	ND		0.0025	1		07/18/2020 15:49
4,6-Dinitro-2-methylphenol	ND		1.2	1		07/18/2020 15:49

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected 07/10/2020 08:45		Instrument	Batch ID
SB-2-2	2007558-004A	Soil			GC21 07182016.D	201664
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
2,4-Dinitrophenol	ND -		0.25	1		07/18/2020 15:49
2,4-Dinitrotoluene	ND		0.013	1		07/18/2020 15:49
2,6-Dinitrotoluene	ND		0.013	1		07/18/2020 15:49
Di-n-octyl Phthalate	ND		0.013	1		07/18/2020 15:49
1,2-Diphenylhydrazine	ND		0.25	1		07/18/2020 15:49
Fluoranthene	ND		0.0025	1		07/18/2020 15:49
Fluorene	ND		0.0025	1		07/18/2020 15:49
Hexachlorobenzene	ND		0.0025	1		07/18/2020 15:49
Hexachlorobutadiene	ND		0.0013	1	-	07/18/2020 15:49
Hexachlorocyclopentadiene	ND		2.0	1		07/18/2020 15:49
Hexachloroethane	ND		0.013	1		07/18/2020 15:49
Indeno (1,2,3-cd) pyrene	ND		0.013	1		07/18/2020 15:49
Isophorone	ND		0.25	1		07/18/2020 15:49
1-Methylnaphthalene	ND		0.0013	1		07/18/2020 15:49
2-Methylnaphthalene	ND		0.0013	1		07/18/2020 15:49
2-Methylphenol (o-Cresol)	ND		0.25	1		07/18/2020 15:49
3 & 4-Methylphenol (m,p-Cresol)	ND		0.25	1		07/18/2020 15:49
Naphthalene	ND		0.0013	1	,	07/18/2020 15:49
2-Nitroaniline	ND	1	1.2	1		07/18/2020 15:49
3-Nitroaniline	ND		1.2	1		07/18/2020 15:49
4-Nitroaniline	ND		1.2	1 1		07/18/2020 15:49
Nitrobenzene	ND		0.25	1		07/18/2020 15:49
2-Nitrophenol	ND		1.2	1		07/18/2020 15:49
4-Nitrophenol	ND		1.2	1		07/18/2020 15:49
N-Nitrosodiphenylamine	ND		0.25	1		07/18/2020 15:49
N-Nitrosodi-n-propylamine	ND		0.25	1		07/18/2020 15:49
Pentachlorophenol	ND		0.062	1		07/18/2020 15:49
Phenanthrene	ND		0.0050	1		07/18/2020 15:49
Phenol	ND		0.050	1		07/18/2020 15:49
Pyrene	ND		0.0025	1		07/18/2020 15:49
Pyridine	ND		0.25	1		07/18/2020 15:49
1,2,4-Trichlorobenzene	ND		0.25	1		07/18/2020 15:49
2,4,5-Trichlorophenol	ND		0.0025	1		07/18/2020 15:49
2,4,6-Trichlorophenol	ND		0.0025	1		07/18/2020 15:49

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 15 8 7/2 shooting being less

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270CSMS/FINTU share government

Unit:

mg/Kg

Semi-Volatile Organics

	Semi Voluene Organies									
Client ID	Lostentonenc	Lab ID Matrix		Date Collected		Instrument	Batch ID			
SB-2-2	O. VI OUSEYO 1200 2007		004A Soil	07/10/2020	08:45	GC21 07182016.D	201664			
Analytes Analytes		Result	19	<u>RL</u>	<u>DF</u> 95		Date Analyzed			
07/18/2020 16:17		1	0,0013		OH		Acenaphyrene			
<u>Surrogates</u>		REC (%)	Qualifiers	<u>Limits</u>						
2-Fluorophenol		88		60-130			07/18/2020 15:49			
Phenol-d5		81	£100.0	50-130	ПM		07/18/2020 15:49			
Nitrobenzene-d5		72	<1	60-130	(16)		07/18/2020 15:49			
2-Fluorobiphenyl		78	0.013	60-130	TV:		07/18/2020 15:49			
2,4,6-Tribromophenol		19	S	50-130	nw		07/18/2020 15:49			
4-Terphenyl-d14		77	0.0026	50-130	(1)/4	-3	07/18/2020 15:49			
Analyst(s): HD				Analytical Com			adelyse (i.n.) oznae			
71:01-030susr5m			0.0025		GN	9	Penzo (k) flyoranthen			

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
SB-2-5	2007558-005A	Soil	07/10/2020	08:47	GC21 07182017.D	201664
Analytes	Result		<u>RL</u>	DF		Date Analyzed
Acenaphthene	ND		0.0013	1		07/18/2020 16:17
Acenaphthylene	ND		0.0013	1		07/18/2020 16:17
Acetochlor	ND		0.25	1		07/18/2020 16:17
Anthracene	ND		0.0013	1		07/18/2020 16:17
Benzidine	ND		1.2	1		07/18/2020 16:17
Benzo (a) anthracene	ND		0.013	1		07/18/2020 16:17
Benzo (a) pyrene	ND		0.0025	1		07/18/2020 16:17
Benzo (b) fluoranthene	ND		0.0025	1		07/18/2020 16:17
Benzo (g,h,i) perylene	ND	Si w	0.0025	1		07/18/2020 16:17
Benzo (k) fluoranthene	ND		0.0025	1		07/18/2020 16:17
Benzyl Alcohol	ND		1.2	1		07/18/2020 16:17
1,1-Biphenyl	ND		0.013	1		07/18/2020 16:17
Bis (2-chloroethoxy) Methane	ND		0.25	1		07/18/2020 16:17
Bis (2-chloroethyl) Ether	ND		0.0025	1		07/18/2020 16:17
Bis (2-chloroisopropyl) Ether	ND		0.013	1		07/18/2020 16:17
Bis (2-ethylhexyl) Adipate	ND		0.25	1		07/18/2020 16:17
Bis (2-ethylhexyl) Phthalate	ND		0.025	1		07/18/2020 16:17
4-Bromophenyl Phenyl Ether	ND		0.25	1		07/18/2020 16:17
Butylbenzyl Phthalate	ND		0.025	1		07/18/2020 16:17
4-Chloroaniline	ND		0.0013	1		07/18/2020 16:17
4-Chloro-3-methylphenol	ND		0.25	1		07/18/2020 16:17
2-Chloronaphthalene	ND		0.25	1		07/18/2020 16:17
2-Chlorophenol	ND		0.013	1		07/18/2020 16:17
4-Chlorophenyl Phenyl Ether	ND		0.25	1		07/18/2020 16:17
Chrysene	ND	,	0.0025	1		07/18/2020 16:17
Dibenzo (a,h) anthracene	ND		0.0025	1		07/18/2020 16:17
Dibenzofuran	ND		0.25	1		07/18/2020 16:17
Di-n-butyl Phthalate	ND		0.013	1		07/18/2020 16:17
1,2-Dichlorobenzene	ND		0.25	1		07/18/2020 16:17
1,3-Dichlorobenzene	ND		0.25	1		07/18/2020 16:17
1,4-Dichlorobenzene	ND		0.25	1		07/18/2020 16:17
3,3-Dichlorobenzidine	ND		0.0025	1		07/18/2020 16:17
2,4-Dichlorophenol	ND		0.0013	1		07/18/2020 16:17
Diethyl Phthalate	ND		0.013	1		07/18/2020 16:17
2,4-Dimethylphenol	ND		0.25	1		07/18/2020 16:17
Dimethyl Phthalate	ND		0.0025	1		07/18/2020 16:17
4,6-Dinitro-2-methylphenol	ND		1.2	1		07/18/2020 16:17

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 12 shodset and page 13

Project:

Date Prepared: 07/13/2020 PERMITS about the layers and

19-042-01; Antioch Lumber

WorkOrder:

2007558

Analytical Method: SW8270C 005 A 1500 a beauty and a lad

Unit:

nodmu.lmg/Kg A : 10-24-0-01

Semi-Volatile Organics

Client ID		Lab ID Matrix		Date Collected		Instrument	Batch ID	
SB-2-5	GC21 07182017.D	2007558-	005A	Soil	07/10/2020 08:47		GC21 07182017.D	201664
<u>Analytes</u>]	Result	_15	3	<u>RL</u>	<u>DF</u>		Date Analyzed
2,4-Dinitrophenol		ND			0.25	1		07/18/2020 16:17
2,4-Dinitrotoluene)	ND	FILLIA.		0.013	(a) 0371		07/18/2020 16:17
2,6-Dinitrotoluene		ND	OEF DO		0.013	1 V8		07/18/2020 16:17
Di-n-octyl Phthala	ite	ND	061-06		0.013	1 18		07/18/2020 16:17
1,2-Diphenylhydra		ND	UST-UC		0.25	1 1		07/18/2020 16:17
Fluoranthene		ND	061-00		0.0025	1 = 1		07/18/2020 16:17
Fluorene		ND	14-03		0.0025	1 05	1	07/18/2020 16:17
Hexachlorobenze	ne	ND	00.1-00	3	0.0025	1		07/18/2020 16:17
Hexachlorobutadi	ene	ND	000 160	Apalve	0.0013	1		07/18/2020 16:17
Hexachlorocyclop	entadiene	ND			2.0	1		07/18/2020 16:17
Hexachloroethane	9	ND			0.013	1		07/18/2020 16:17
Indeno (1,2,3-cd)	pyrene	ND			0.013	1		07/18/2020 16:17
Isophorone		ND			0.25	1		07/18/2020 16:17
1-Methylnaphthal	ene	ND			0.0013	1		07/18/2020 16:17
2-Methylnaphthal		ND			0.0013	1		07/18/2020 16:17
2-Methylphenol (c	o-Cresol)	ND			0.25	1		07/18/2020 16:17
3 & 4-Methylphen	ol (m,p-Cresol)	ND			0.25	1		07/18/2020 16:17
Naphthalene		ND			0.0013	1		07/18/2020 16:17
2-Nitroaniline		ND			1.2	1		07/18/2020 16:17
3-Nitroaniline		ND			1.2	1		07/18/2020 16:17
4-Nitroaniline		ND			1.2	1		07/18/2020 16:17
Nitrobenzene		ND			0.25	1		07/18/2020 16:17
2-Nitrophenol		ND			1.2	1		07/18/2020 16:17
4-Nitrophenol		ND			1.2	1		07/18/2020 16:17
N-Nitrosodipheny	lamine	ND			0.25	1		07/18/2020 16:17
N-Nitrosodi-n-pro	pylamine	ND			0.25	1		07/18/2020 16:17
Pentachloropheno	ol	ND			0.062	1		07/18/2020 16:17
Phenanthrene		ND			0.0050	1		07/18/2020 16:17
Phenol	***************************************	ND			0.050	1		07/18/2020 16:17
Pyrene		ND			0.0025	1		07/18/2020 16:17
Pyridine		ND	14		0.25	1		07/18/2020 16:17
1,2,4-Trichlorober	nzene	ND		0	0.25	1		07/18/2020 16:17
2,4,5-Trichlorophe	enol	ND			0.0025	1		07/18/2020 16:17
2,4,6-Trichlorophe	enol	ND			0.0025	1		07/18/2020 16:17

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

			ann y Ontetan	Cigames			
Client ID	y' '4	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-2-5	1 " *	2007558-005A	Soil	07/10/2020	08:47	GC21 07182017.D	201664
<u>Analytes</u>		Result	1	<u>RL</u>	<u>DF</u>		Date Analyzed
Surrogates		REC (%)	Qualifiers	<u>Limits</u>	01		4
2-Fluorophenol		87		60-130			07/18/2020 16:17
Phenol-d5		81		50-130			07/18/2020 16:17
Nitrobenzene-d5		74		60-130			07/18/2020 16:17
2-Fluorobiphenyl		76		60-130			07/18/2020 16:17
2,4,6-Tribromophenol		20	S	50-130			07/18/2020 16:17
4-Terphenyl-d14		75		50-130			07/18/2020 16:17
Analyst(s): HD		y y		Analytical Com	ments: c2	2	THE STATE OF

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 SAVVA shodraW hadred

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics

Acenaphthene ND 0.0013 1 07/18/2020 16 Acenaphthylene ND 0.0013 1 07/18/2020 18 Acetochlor ND 0.25 1 07/18/2020 18 Benzo (a) anthracene ND 0.0013 1 07/18/2020 18 Benzo (a) anthracene ND 0.0013 1 07/18/2020 18 Benzo (a) anthracene ND 0.0025 1 07/18/2020 16 Benzo (a) pyrene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzy (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzy (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzy (b) fluoranthene ND 0.0025 1 07/18/2020 16 Bis (2-chloroethyy) Ether ND 0.0025 1 07/18/2020 16 Bis (2-chloroethyy) Phylhalate ND 0.025 1 07/18/2020 16 Bis (2-chloroethyy) Phylhalate ND 0.025 1 07/18/2020 16 Butylbenzyl Phylhalate ND 0.025 1 07/18/2020 16 Butylbenzyl Phylhalate ND 0.0025 1 07/18/2020 16 Butylbenzyl Phylhalate ND 0.	Client ID	Instrument	Lab ID	MoD at	Matrix	Date Colle	ected	Instrument	Batch ID
Acenaphthylene ND	SB-5-2	GG21 SYRZUISD	2007558	8-011B	Soil	07/10/2020	10:55	GC21 07182018.D	201664
Aceanphthylene ND 0.0013 1 07/18/2020 16 Acetochlor ND 0.25 1 07/18/2020 16 Anthracene ND 0.0013 1 07/18/2020 16 Benzo (a) anthracene ND 0.0013 1 07/18/2020 16 Benzo (a) anthracene ND 0.0013 1 07/18/2020 16 Benzo (a) pyrene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzo (g), li) perylene ND 0.0025 1 07/18/2020 16 Benzo (g), fluoranthene ND 0.0025 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.0025 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.0025 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.0025 1 07/18/2020 16 Bis (2-chloroethoxy) Helper ND 0.0025 1 07/18/2020 16 Bis (2-chloroethy) Phinlate ND 0.0025 1 07/18/2020 16 Bis (2-chloroethy) Phinlate ND 0.025 1 07/18/2020 16 Bis (2-chlyhexy) Adipate ND 0.025 1 07/18/2020 16 Bis (2-chlyhexy) Phinlate ND 0.025 1 07/18/2020 16 Butylbenzyl Phinlate ND 0.025 1 07/18/2020 16 Butylbenzylbenzene ND 0.025 1 07/18	Analytes and all all	1	Result			<u>RL</u>	<u>DF</u>		Date Analyzed
Acetochlor ND 0.25 1 07/18/2020 16 Anthracene ND 0.0013 1 07/18/2020 16 Benzo (a) anthracene ND 0.013 1 07/18/2020 16 Benzo (a) anthracene ND 0.013 1 07/18/2020 16 Benzo (a) pyrene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzo (k) fluoranthene ND 0.013 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.025 1 07/18/2020 16 Bis (2-chloroethy) Ether ND 0.013 1 07/18/2020 16 Bis (2-chloroethy) Ether ND 0.013 1 07/18/2020 16 Bis (2-chloroethy) Ether ND 0.013 1 07/18/2020 16 Bis (2-cthylnexy) Adipate ND 0.025 1 07/18/2020 16 Bis (2-cthylnexy) Phrhalate ND 0.025 1 07/18/2020 16 Bis (2-cthylnexy) Phrhalate ND 0.025 1 07/18/2020 16 C-Bromopheny Phenyl Ether ND 0.025 1 07/18/2020 16 C-Bromophenyl Phenyl Ether ND 0.025 1 07/18/2020	Acenaphthene		ND			0.0013	1 014		07/18/2020 16:44
Anthracene ND 0.0013 1 07/18/2020 16 Benzic (a) anthracene ND 1.2 1 07/18/2020 16 Benzo (a) anthracene ND 0.0025 1 07/18/2020 16 Benzo (b) greene ND 0.0025 1 07/18/2020 16 Benzo (b) fluoranthene ND 0.0025 1 07/18/2020 16 Benzo (k) fluoranthene ND 0.0025 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.013 1 07/18/2020 16 Bis (2-chloroethy) Ether ND 0.0025 1 07/18/2020 16 Bis (2-chloroethy) Ether ND 0.0025 1 07/18/2020 16 Bis (2-chlyflexy) Adjate ND 0.025 1 07/18/2020 16 Bis (2-chlyflexy) Phthalate ND 0.025 1 07/18/2020 16 Bis (2-chlyflexy) Phthalate ND 0.025 1 07/18/2020 16 Buylbenzyl Phthalate ND 0.025 1 07/18/2020 16 Buylbenzyl Phthalate ND 0.025 1 07/18/2020 16 Buylbenzyl Phthalate ND 0.025 1 07/18/2020 16 C-Chloroanthiphenol ND 0.25 1 07/18/2020 16 C-Chlorophenol ND 0.025 1 07/18/2020 16 C-Chlorophenol ND 0	Acenaphthylene)	ND	270	9	0.0013	1 04		07/18/2020 16:44
Benzo (a) anthracene	Acetochlor)	ND	610	0:	0.25	1 🗆 🗸		07/18/2020 16:44
Benzo (a) anthracene	Anthracene)	ND	270	0.	0.0013	1 0//		07/18/2020 16:44
Benzo (a) pyrene ND	Benzidine		ND	25	0	1.2	1 GM	9.0	07/18/2020 16:44
Benzo (b) Ruoranthene ND	Benzo (a) anthrac	cene	ND	a 10.1	0	0.013	1 014		07/18/2020 16:44
Benzo (g,h.i) perylene ND	Benzo (a) pyrene		ND	-5,7,10	Ç	0.0025	1 024		07/18/2020 16:44
Benzo (K) fluoranthene	Benzo (b) fluoran	thene	ND	3840;	0	0.0025	1 UN		07/18/2020 16:44
Benzyl Alcohol	Benzo (g,h,i) pery	/lene	ND	E100	0	0.0025	1 🗆	f	07/18/2020 16:44
1,1-Biphenyl ND 0.013 1 07/18/2020 16 Bis (2-chloroethoxy) Methane ND 0.25 1 07/18/2020 16 Bis (2-chloroethyl) Ether ND 0.0025 1 07/18/2020 16 Bis (2-chloroisopropyl) Ether ND 0.013 1 07/18/2020 16 Bis (2-chlylhexyl) Adipate ND 0.25 1 07/18/2020 16 Bis (2-ethylhexyl) Adipate ND 0.025 1 07/18/2020 16 Bis (2-ethylhexyl) Phthalate ND 0.025 1 07/18/2020 16 4-Bromophenyl Phenyl Ether ND 0.025 1 07/18/2020 16 4-Bromophenyl Phenyl Ether ND 0.025 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.025 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 4-Chlorophenol ND 0.25 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether<	Benzo (k) fluorani	thene	ND	0.	8	0.0025	1 0/4	angiba)	07/18/2020 16:44
Bis (2-chloroethoxy) Methane ND 0.25 1 07/18/2020 16	Benzyl Alcohol)	ND	510	6	1.2	1 QV		07/18/2020 16:44
Bis (2-chloroethyl) Ether ND 0.0025 1 07/18/2020 16	1,1-Biphenyl		ND	Era.	0	0.013	1 014	9(45)	07/18/2020 16:44
Bis (2-chloroisopropyl) Ether ND 0.013 1 07/18/2020 16 Bis (2-ethylhexyl) Adipate ND 0.25 1 07/18/2020 16 Bis (2-ethylhexyl) Phthalate ND 0.025 1 07/18/2020 16 4-Bromophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 4-Bromophenyl Phenyl Ether ND 0.025 1 07/18/2020 16 4-Chloroanliline ND 0.025 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 4-Chlorophenol ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.025 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.025 <td>Bis (2-chloroethox</td> <td>xy) Methane</td> <td>ND</td> <td>25</td> <td>0</td> <td>0.25</td> <td>1 01/1</td> <td></td> <td>07/18/2020 16:44</td>	Bis (2-chloroethox	xy) Methane	ND	25	0	0.25	1 01/1		07/18/2020 16:44
Bis (2-ethylhexyl) Adipate ND 0.25 1 07/18/2020 16	Bis (2-chloroethyl) Ether	ND	Croo.	0	0.0025	1 00		07/18/2020 16:44
Bis (2-ethylhexyl) Phthalate	Bis (2-chloroisopr	opyl) Ether	ND	£7 000.	G:	0.013	1 01/1	-	07/18/2020 16:44
4-Bromophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Butylbenzyl Phthalate ND 0.025 1 07/18/2020 16 4-Chloroanilline ND 0.0013 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.025 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07	Bis (2-ethylhexyl)	Adipate	ND	30	0	0.25	1 QM	(lare)	07/18/2020 16:44
Butylbenzyl Phthalate ND 0.025 1 07/18/2020 16 4-Chloroaniline ND 0.0013 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 2-Chloronaphthalene ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.013	Bis (2-ethylhexyl)	Phthalate	ND	775	(1)	0.025	1 0/4	m.p-Cresusy	07/18/2020 16:44
4-Chloroaniline ND 0.0013 1 07/18/2020 16 4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 2-Chloronaphthalene ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 2,4-Dichlorobenzene ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.025 1 07/18/2020 16 2,4-Dimethylphenol ND 0.025 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	4-Bromophenyl P	henyl Ether	ND	6100	0	0.25	1 097		07/18/2020 16:44
4-Chloro-3-methylphenol ND 0.25 1 07/18/2020 16 2-Chloronaphthalene ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 2,4-Dichlorophenol ND 0.013 1	Butylbenzyl Phtha	alate	ND	5.	Ī.	0.025	1 0//		07/18/2020 16:44
2-Chloronaphthalene ND 0.25 1 07/18/2020 16 2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.025 1 <td< td=""><td>4-Chloroaniline</td><td>1</td><td>ND</td><td>.2</td><td>ŀ</td><td>0.0013</td><td>1 (1//</td><td></td><td>07/18/2020 16:44</td></td<>	4-Chloroaniline	1	ND	.2	ŀ	0.0013	1 (1//		07/18/2020 16:44
2-Chlorophenol ND 0.013 1 07/18/2020 16 4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 2,4-Dimethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethyl Phthalate ND 0.025 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1	4-Chloro-3-methy	Iphenol	ND	\$,	r	0.25	1 01/4		07/18/2020 16:44
4-Chlorophenyl Phenyl Ether ND 0.25 1 07/18/2020 16 Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 2,4-Dimethyl Phthalate ND 0.013 1 07/18/2020 16 Dimethyl Phthalate ND 0.025 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	2-Chloronaphthal	ene	ND	733	i n	0.25	1 014		07/18/2020 16:44
Chrysene ND 0.0025 1 07/18/2020 16 Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	2-Chlorophenol		ND	8	ħ	0.013	1 00		07/18/2020 16:44
Dibenzo (a,h) anthracene ND 0.0025 1 07/18/2020 16 Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	4-Chlorophenyl P	henyl Ether	ND	1	1	0.25	1 11		07/18/2020 16:44
Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.025 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	Chrysene		ND	25.	0	0.0025	1-03/4	W-744	07/18/2020 16:44
Dibenzofuran ND 0.25 1 07/18/2020 16 Di-n-butyl Phthalate ND 0.013 1 07/18/2020 16 1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.025 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	Dibenzo (a,h) ant	hracene	ND	25	2	0.0025	1 00	anima	07/18/2020 16:44
1,2-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16			ND	200	0	0.25	1 04		07/18/2020 16:44
1,3-Dichlorobenzene ND 0.25 1 07/18/2020 16 1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	Di-n-butyl Phthala	nte	ND	DeGu.	0	0.013	1 Clivi		07/18/2020 16:44
1,4-Dichlorobenzene ND 0.25 1 07/18/2020 16 3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	1,2-Dichlorobenze	ene	ND	(135)	9	0.25	1 (94		07/18/2020 16:44
3,3-Dichlorobenzidine ND 0.0025 1 07/18/2020 16 2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	1,3-Dichlorobenze	ene	ND	65,00	ð	0.25	1 44		07/18/2020 16:44
2,4-Dichlorophenol ND 0.0013 1 07/18/2020 16 Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	1,4-Dichlorobenze	ene	ND	25	9	0.25	1.014		07/18/2020 16:44
Diethyl Phthalate ND 0.013 1 07/18/2020 16 2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	3,3-Dichlorobenzi	dine	ND	25	3	0.0025	1 44	0,1	07/18/2020 16:44
2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	2,4-Dichloropheno	ol	ND	8500)	0.0013	1 U/I	fe	07/18/2020 16:44
2,4-Dimethylphenol ND 0.25 1 07/18/2020 16 Dimethyl Phthalate ND 0.0025 1 07/18/2020 16	Diethyl Phthalate		ND	-30n	9	0.013	1 %	į.	07/18/2020 16:44
		ol	ND			0.25	1		07/18/2020 16:44
4,6-Dinitro-2-methylphenol ND 1.2 1 07/18/2020 16	Dimethyl Phthalat	te	ND			0.0025	1		07/18/2020 16:44
	4,6-Dinitro-2-meth	nylphenol	ND			1.2	1		07/18/2020 16:44

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-5-2	2007558-011B	Soil	07/10/2020	10:55	GC21 07182018.D	201664
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
2,4-Dinitrophenol	ND		0.25	1		07/18/2020 16:44
2,4-Dinitrotoluene	ND		0.013	1		07/18/2020 16:44
2,6-Dinitrotoluene	ND		0.013	1		07/18/2020 16:44
Di-n-octyl Phthalate	ND ·		0.013	1		07/18/2020 16:44
1,2-Diphenylhydrazine	ND		0.25	1		07/18/2020 16:44
Fluoranthene	ND		0.0025	1		07/18/2020 16:44
Fluorene	ND		0.0025	1		07/18/2020 16:44
Hexachlorobenzene	ND		0.0025	1	0	07/18/2020 16:44
Hexachlorobutadiene	ND		0.0013	1		07/18/2020 16:44
Hexachlorocyclopentadiene	ND		2.0	1		07/18/2020 16:44
Hexachloroethane	ND		0.013	1		07/18/2020 16:44
Indeno (1,2,3-cd) pyrene	ND		0.013	1		07/18/2020 16:44
Isophorone	ND		0.25	1		07/18/2020 16:44
1-Methylnaphthalene	ND		0.0013	1		07/18/2020 16:44
2-Methylnaphthalene	ND		0.0013	1		07/18/2020 16:44
2-Methylphenol (o-Cresol)	ND		0.25	1		07/18/2020 16:44
3 & 4-Methylphenol (m,p-Cresol)	ND		0.25	1		07/18/2020 16:44
Naphthalene	ND		0.0013	1		07/18/2020 16:44
2-Nitroaniline	ND		1.2	1		07/18/2020 16:44
3-Nitroaniline	ND		1.2	1		07/18/2020 16:44
4-Nitroaniline	ND		1.2	1		07/18/2020 16:44
Nitrobenzene	ND		0.25	1		07/18/2020 16:44
2-Nitrophenol	ND		1.2	1		07/18/2020 16:44
4-Nitrophenol	ND		1.2	1		07/18/2020 16:44
N-Nitrosodiphenylamine	ND		0.25	1		07/18/2020 16:44
N-Nitrosodi-n-propylamine	ND		0.25	1		07/18/2020 16:44
Pentachlorophenol	ND		0.062	1		07/18/2020 16:44
Phenanthrene	ND		0.0050	1		07/18/2020 16:44
Phenol	ND		0.050	1		07/18/2020 16:44
Pyrene	ND		0.0025	1		07/18/2020 16:44
Pyridine	ND		0.25	1		07/18/2020 16:44
1,2,4-Trichlorobenzene	ND		0.25	1		07/18/2020 16:44
2,4,5-Trichlorophenol	ND	0	0.0025	1		07/18/2020 16:44
2,4,6-Trichlorophenol	ND		0.0025	1		07/18/2020 16:44

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics	Sem	i-V	ola	tile	0	rgan	ics
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			Dellii y Olati	ie organies				
Client ID		Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID	
SB-5-2 S 0.35558110 (1330)		2007558-011B Soil		07/10/2020	10:55	GC21 07182018.D	201664	
Analytes MA MAG		Result	.19	<u>RL</u>	DF 6		Date Analyzed	
67/18/2020 17:39		2	0.0026		_ GN		eaudifiquisaA	
<u>Surrogates</u>		REC (%)	Qualifiers	<u>Limits</u>				
2-Fluorophenol		80		60-130			07/18/2020 16:44	
Phenol-d5		73	0.0026	50-130	OM		07/18/2020 16:44	
Nitrobenzene-d5		67	3.4	60-130	DИ		07/18/2020 16:44	
2-Fluorobiphenyl		69	aso n	60-130	GM		07/18/2020 16:44	
2,4,6-Tribromophenol		15	0200 n S	50-130	CEA		07/18/2020 16:44	
4-Terphenyl-d14		72	oagn o	50-130	(3)4	50	07/18/2020 16:44	
Analyst(s): HD			0100.0	Analytical Com	ments: c2	0	Binzo (g.h.i) perylen	

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 **Date Prepared:** 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW3550B **Analytical Method:** SW8270C

Unit: mg/Kg

Semi-Volatile Organics

Analytes Result RL DE Date Analyzed Acenaphthene ND 0.0026 2 07/18/2020 17:36 Acenaphthylene ND 0.0026 2 07/18/2020 17:36 Anthracene ND 0.0026 2 07/18/2020 17:36 Benzidine ND 0.0026 2 07/18/2020 17:36 Benzo (a) anthracene ND 0.0026 2 07/18/2020 17:38 Benzo (a) anthracene ND 0.0026 2 07/18/2020 17:38 Benzo (a) pyrene ND 0.0050 2 07/18/2020 17:38 Benzo (b) fluoranthene ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethoxy) Methane ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethoxy) Methane ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethoxy) Methane ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethoxy) Hethalate ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethy) Ether ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroethy	Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
Acenaphthene ND 0.0026 2 07/18/2020 17:38 Acenaphthylene ND 0.0028 2 07/18/2020 17:38 Acelochlor ND 0.50 2 07/18/2020 17:38 Anthracene ND 0.0028 2 07/18/2020 17:38 Benzd (a) anthracene ND 0.0028 2 07/18/2020 17:38 Benzo (a) pyrene ND 0.0050 2 07/18/2020 17:38 Benzo (b) fluoranthene ND	SB-5-5	2007558-012B	Soil	07/10/2020	10:55	GC21 07182020.D	201664
Acetaphthylene ND 0.0026 2 07/18/2020 17:38 Acetochlor ND 0.50 2 07/18/2020 17:38 Acetochlor ND 0.050 2 07/18/2020 17:38 Benzo (a) mithracene ND 0.026 2 07/18/2020 17:38 Benzo (a) pyrene ND 0.0050 2 07/18/2020 17:38 Benzo (b) fluoranthene ND 0.0050 2 07/18/2020 17:38 Benzo (a) fluoranthene <th< td=""><td><u>Analytes</u></td><td>Result</td><td></td><td><u>RL</u></td><td><u>DF</u></td><td></td><td>Date Analyzed</td></th<>	<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Acetochlor ND	Acenaphthene	ND		0.0026	2		07/18/2020 17:39
Anthracene ND 0.0026 2 07/18/2020 17:38 Benzidine ND 2.5 2 07/18/2020 17:38 Benzo (a) anthracene ND 0.026 2 07/18/2020 17:38 Benzo (b) Iguranthene ND 0.0050 2 07/18/2020 17:38 Benzo (g)-I) perylene 0.0093 0.0050 2 07/18/2020 17:38 Benzo (g) Iduranthene ND 0.0050 2 07/18/2020 17:38 Benzo (k) Iduranthene ND 0.0050 2 07/18/2020 17:38 Benzo (k) Iduranthene ND 0.0050 2 07/18/2020 17:38 Benzyl Alcohol ND 0.026 2 07/18/2020 17:38 Bescy-Increativity Bertal ND 0.026 2 07/18/2020 17:38 Bis (2-chlorosthyl) Ether ND 0.050 2 07/18/2020 17:38 Bis (2-chlorosthyl) Ether ND 0.056 2 07/18/2020 17:38 Bis (2-chlorosthyl) Ether ND 0.050 2 07/18/2020 17:38 Bis (2-chlorosthyl) Ether <td>Acenaphthylene</td> <td>ND</td> <td></td> <td>0.0026</td> <td>2</td> <td></td> <td>07/18/2020 17:39</td>	Acenaphthylene	ND		0.0026	2		07/18/2020 17:39
Benzidine ND 2.5 2 07/18/2020 17:38	Acetochlor	ND	1	0.50	2		07/18/2020 17:39
Benzo (a) anthracene ND 0.026 2 07/18/2020 17:36 Benzo (a) pyrene ND 0.0050 2 07/18/2020 17:36 Benzo (b) fluoranthene ND 0.0050 2 07/18/2020 17:36 Benzo (b), fluoranthene ND 0.0050 2 07/18/2020 17:36 Benzo (k) fluoranthene ND 0.0050 2 07/18/2020 17:36 Benzy (k) fluoranthene ND 0.0050 2 07/18/2020 17:36 Benzy (Alcohol ND 0.25 2 07/18/2020 17:36 Benzy (Alcohol ND 0.026 2 07/18/2020 17:36 Bis (2-chloroethoxy) Methane ND 0.50 2 07/18/2020 17:36 Bis (2-chloroethyr) Ether ND 0.0060 2 07/18/2020 17:36 Bis (2-chloroethyr) Ether ND 0.050 2 07/18/2020 17:36 Bis (2-chloroethyr) Ether ND 0.050 2 07/18/2020 17:36 Bis (2-chloroethyr) Ether ND 0.050 2 07/18/2020 17:36 Bis (2-ch	Anthracene	ND		0.0026	2		07/18/2020 17:39
Benzo (a) pyrene ND 0.0050 2 07/18/2020 17:38 Benzo (b) fluoranthene ND 0.0050 2 07/18/2020 17:38 Benzo (g), hi) perylene 0.0083 0.0050 2 07/18/2020 17:38 Benzo (k) fluoranthene ND 0.0060 2 07/18/2020 17:38 Benzyl Alcohol ND 0.026 2 07/18/2020 17:38 Benzyl Alcohol ND 0.026 2 07/18/2020 17:38 Bis (2-chloroethy) Methane ND 0.026 2 07/18/2020 17:39 Bis (2-chloroethy) Ether ND 0.0060 2 07/18/2020 17:39 Bis (2-chloroisopropyl) Ether ND 0.026 2 07/18/2020 17:39 Bis (2-chlylhexyl) Adlpate ND 0.050 2 07/18/2020 17:39 Bis (2-chlylhexyl) Phthalate ND 0.050 2 07/18/2020 17:39 Bis (2-chlylhexyl) Phthalate ND 0.050 2 07/18/2020 17:39 Bulylbenzyl Phthalate ND 0.050 2 07/18/2020 17:39	Benzidine	ND		2.5	2		07/18/2020 17:39
Benzo (b) fluoranthene ND 0.0050 2 07/18/2020 17:38 Benzo (g),h.l) perylene 0.0093 0.0050 2 07/18/2020 17:38 Benzo (k) fluoranthene ND 0.0050 2 07/18/2020 17:38 Benzyl Alcohol ND 0.026 2 07/18/2020 17:38 1,1-Biphenyl ND 0.026 2 07/18/2020 17:38 Bis (2-chloroethoxy) Methane ND 0.050 2 07/18/2020 17:38 Bis (2-chloroethoxy) Ether ND 0.050 2 07/18/2020 17:38 Bis (2-chloroethyl) Ether ND 0.026 2 07/18/2020 17:38 Bis (2-ethylhexyl) Adipate ND 0.050 2 07/18/2020 17:38 Bis (2-ethylhexyl) Phthalate ND 0.050 2 07/18/2020 17:38 <td>Benzo (a) anthracene</td> <td>ND</td> <td></td> <td>0.026</td> <td>2</td> <td></td> <td>07/18/2020 17:39</td>	Benzo (a) anthracene	ND		0.026	2		07/18/2020 17:39
Benzo (g,h.l) perylene	Benzo (a) pyrene	ND		0.0050	2		07/18/2020 17:39
Benzo (k) fluoranthene ND 0.0050 2 07/18/2020 17:38 Benzy Alcohol ND 2.5 2 07/18/2020 17:38 Bery Alcohol ND 0.026 2 07/18/2020 17:38 Isi (2-chloroethoxy) Methane ND 0.050 2 07/18/2020 17:38 Bis (2-chloroethry) Ether ND 0.0050 2 07/18/2020 17:38 Bis (2-chloroisopropy) Ether ND 0.028 2 07/18/2020 17:38 Bis (2-chtylhexyl) Adipate ND 0.50 2 07/18/2020 17:38 Bis (2-chtylhexyl) Phthalate ND 0.50 2 07/18/2020 17:38 4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:38 4-Bromophenyl Phenyl Ether ND 0.050 2 07/18/2020 17:38 4-Chloro-alline ND 0.050 2 07/18/2020 17:38 4-Chloro-alline ND 0.050 2 07/18/2020 17:38 4-Chloro-alline ND 0.050 2 07/18/2020 17:38 4-Chloro-alline <td>Benzo (b) fluoranthene</td> <td>ND</td> <td></td> <td>0.0050</td> <td>2</td> <td></td> <td>07/18/2020 17:39</td>	Benzo (b) fluoranthene	ND		0.0050	2		07/18/2020 17:39
Benzyl Alcohol ND 2.5 2 07/18/2020 17:35 1,1-Biphenyl ND 0.026 2 07/18/2020 17:35 Bis (2-chloroethyl) Methane ND 0.50 2 07/18/2020 17:35 Bis (2-chloroethyl) Ether ND 0.0050 2 07/18/2020 17:35 Bis (2-chlorostopropyl) Ether ND 0.026 2 07/18/2020 17:35 Bis (2-chlylhexyl) Adipate ND 0.50 2 07/18/2020 17:35 Bis (2-chlylhexyl) Phthalate ND 0.050 2 07/18/2020 17:35 Bis (2-chlylhexyl) Phthalate ND 0.050 2 07/18/2020 17:35 Bis (2-chlylhexyl) Phthalate ND 0.050 2 07/18/2020 17:35	Benzo (g,h,i) perylene	0.0093	10-	0.0050	2		07/18/2020 17:39
1,1-Biphenyl ND 0.026 2 07/18/2020 17:35 Bis (2-chloroethoxy) Methane ND 0.50 2 07/18/2020 17:35 Bis (2-chloroethyl) Ether ND 0.0050 2 07/18/2020 17:35 Bis (2-chlorosthyl) Ether ND 0.026 2 07/18/2020 17:35 Bis (2-chlyrlexyl) Adipate ND 0.50 2 07/18/2020 17:35 Bis (2-ethylhexyl) Phthalate ND 0.50 2 07/18/2020 17:35 4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:35 4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:35 4-Bromophenyl Phenyl Ether ND 0.050 2 07/18/2020 17:35 4-Chloro-3-methylphenol ND 0.0026 2 07/18/2020 17:35 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:35 2-Chlorophenol ND 0.50 2 07/18/2020 17:35 2-Chlorophenol ND 0.026 2 07/18/2020 17:35 2-C	Benzo (k) fluoranthene	ND		0.0050	2		07/18/2020 17:39
Bis (2-chloroethoxy) Methane	Benzyl Alcohol	ND		2.5	2		07/18/2020 17:39
Bis (2-chloroethyl) Ether ND 0.0050 2 07/18/2020 17:38	1,1-Biphenyl	ND		0.026	2		07/18/2020 17:39
Bis (2-chloroisopropyl) Ether ND 0.026 2 07/18/2020 17:35 Bis (2-ethylhexyl) Adipate ND 0.50 2 07/18/2020 17:35 Bis (2-ethylhexyl) Phthalate ND 0.050 2 07/18/2020 17:35 4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:35 4-Bromophenyl Phenyl Ether ND 0.050 2 07/18/2020 17:35 4-Chloroaniline ND 0.050 2 07/18/2020 17:35 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:35 2-Chlorophenol ND 0.50 2 07/18/2020 17:35 2-Chlorophenol ND 0.026 2 07/18/2020 17:35 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:35 Chrysene ND 0.50 2 07/18/2020 17:35 Dibenzofuran ND 0.0050 2 07/18/2020 17:35 Dibenzofuran ND 0.50 2 07/18/2020 17:35 1,2-Dichlorobenzene ND<	Bis (2-chloroethoxy) Methane	ND		0.50	2		07/18/2020 17:39
Bis (2-ethylhexyl) Adipate	Bis (2-chloroethyl) Ether	ND		0.0050	2		07/18/2020 17:39
Bis (2-ethylhexyl) Phthalate ND 0.050 2 07/18/2020 17:39 4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Butylbenzyl Phthalate ND 0.050 2 07/18/2020 17:39 4-Chloroaniline ND 0.0026 2 07/18/2020 17:39 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:39 2-Chloroaphthalene ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.50 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene	Bis (2-chloroisopropyl) Ether	ND		0.026	2		07/18/2020 17:39
4-Bromophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Butylbenzyl Phthalate ND 0.050 2 07/18/2020 17:39 4-Chloroaniline ND 0.0026 2 07/18/2020 17:39 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.0050 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.50 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene N	Bis (2-ethylhexyl) Adipate	ND		0.50	2		07/18/2020 17:39
Butylbenzyl Phthalate ND 0.050 2 07/18/2020 17:38 4-Chloroaniline ND 0.0026 2 07/18/2020 17:38 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.050 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND	Bis (2-ethylhexyl) Phthalate	ND	0.70	0.050	2		07/18/2020 17:39
4-Chloroaniline ND 0.0026 2 07/18/2020 17:39 4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:39 2-Chloronaphthalene ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0	4-Bromophenyl Phenyl Ether	ND		0.50	2		07/18/2020 17:39
4-Chloro-3-methylphenol ND 0.50 2 07/18/2020 17:38 2-Chloronaphthalene ND 0.50 2 07/18/2020 17:38 2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzene ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0	Butylbenzyl Phthalate	ND		0.050	2		07/18/2020 17:39
2-Chloronaphthalene ND 0.50 2 07/18/2020 17:39 2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 2,4-Dimethyl Phthalate ND 0.50 2 07/18/2020 17:39 2,4-Dimethyl Phthalate ND	4-Chloroaniline	ND		0.0026	2		07/18/2020 17:39
2-Chlorophenol ND 0.026 2 07/18/2020 17:39 4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 2,4-Dimethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethyl Phthalate ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	4-Chloro-3-methylphenol	ND		0.50	2		07/18/2020 17:39
4-Chlorophenyl Phenyl Ether ND 0.50 2 07/18/2020 17:39 Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 2,4-Dimethyl Phthalate ND 0.026 2 07/18/2020 17:39 0,18/2020 17:39 0.0050 2 07/18/2020 17:39 0,18/2020 17:39 0.0050 2 07/18/2020 17:39	2-Chloronaphthalene	ND		0.50	2		07/18/2020 17:39
Chrysene ND 0.0050 2 07/18/2020 17:39 Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39 0 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	2-Chlorophenol	ND		0.026	2		07/18/2020 17:39
Dibenzo (a,h) anthracene ND 0.0050 2 07/18/2020 17:39 Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39 0 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	4-Chlorophenyl Phenyl Ether	ND		0.50	2		07/18/2020 17:39
Dibenzofuran ND 0.50 2 07/18/2020 17:39 Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.50 2 07/18/2020 17:39	Chrysene	ND		0.0050	2		07/18/2020 17:39
Di-n-butyl Phthalate ND 0.026 2 07/18/2020 17:39 1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	Dibenzo (a,h) anthracene	ND		0.0050	2		07/18/2020 17:39
1,2-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	Dibenzofuran	ND		0.50	2		07/18/2020 17:39
1,3-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	Di-n-butyl Phthalate	ND		0.026	2		07/18/2020 17:39
1,4-Dichlorobenzene ND 0.50 2 07/18/2020 17:39 3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	1,2-Dichlorobenzene	ND		0.50	2		07/18/2020 17:39
3,3-Dichlorobenzidine ND 0.0050 2 07/18/2020 17:39 2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	1,3-Dichlorobenzene	ND		0.50	2		07/18/2020 17:39
2,4-Dichlorophenol ND 0.0026 2 07/18/2020 17:39 Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	1,4-Dichlorobenzene	ND		0.50	2		07/18/2020 17:39
Diethyl Phthalate ND 0.026 2 07/18/2020 17:39 2,4-Dimethylphenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	3,3-Dichlorobenzidine	ND		0.0050	2		07/18/2020 17:39
2,4-Dimethyl phenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	2,4-Dichlorophenol	ND		0.0026	2		07/18/2020 17:39
2,4-Dimethyl phenol ND 0.50 2 07/18/2020 17:39 Dimethyl Phthalate ND 0.0050 2 07/18/2020 17:39	Diethyl Phthalate	ND		0.026	2		07/18/2020 17:39
	2,4-Dimethylphenol	ND		0.50	2		07/18/2020 17:39
4,6-Dinitro-2-methylphenol ND 2.5 2 07/18/2020 17:39	Dimethyl Phthalate	ND		0.0050	2		07/18/2020 17:39
	4,6-Dinitro-2-methylphenol	ND		2.5	2		07/18/2020 17:39

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 WWW absolute (application)

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-5-5	ISC21 OVIG2018/E	2007558-012B	Soil	07/10/2020	10:55	GC21 07182020.D	201664
Analytes Analytes		Result	Ja	<u>RL</u>	<u>DF</u>		Date Analyzed
2,4-Dinitrophenol		ND		0.50	2		07/18/2020 17:39
2,4-Dinitrotoluene		ND	H.J.	0.026	2		07/18/2020 17:39
2,6-Dinitrotoluene		ND OE NO	Ö	0.026	2 18		07/18/2020 17:39
Di-n-octyl Phthala	ate	ND	16	0.026	2		07/18/2020 17:39
1,2-Diphenylhydr	azine	ND	10	0.50	2		07/18/2020 17:39
Fluoranthene	7	ND	10	0.0050	2		07/18/2020 17:39
Fluorene		ND	0	0.0050	2		07/18/2020 17:39
Hexachlorobenze	ene	ND		0.0050	2		07/18/2020 17:39
Hexachlorobutad	iene	ND	JAMES A	0.0026	2		07/18/2020 17:39
Hexachlorocyclop	pentadiene	ND		4.0	2		07/18/2020 17:39
Hexachloroethan		ND		0.026	2		07/18/2020 17:39
Indeno (1,2,3-cd)	pyrene	ND		0.026	2		07/18/2020 17:39
Isophorone	•	ND		0.50	2		07/18/2020 17:39
1-Methylnaphthal	lene	ND		0.0026	2		07/18/2020 17:39
2-Methylnaphthal	lene	ND		0.0026	2		07/18/2020 17:39
2-Methylphenol (o-Cresol)	ND		0.50	2		07/18/2020 17:39
3 & 4-Methylpher	nol (m,p-Cresol)	ND		0.50	2		07/18/2020 17:39
Naphthalene		ND		0.0026	2		07/18/2020 17:39
2-Nitroaniline		ND		2.5	2		07/18/2020 17:39
3-Nitroaniline		ND		2.5	2		07/18/2020 17:39
4-Nitroaniline		ND		2.5	2		07/18/2020 17:39
Nitrobenzene		ND		0.50	2		07/18/2020 17:39
2-Nitrophenol		ND		2.5	2		07/18/2020 17:39
4-Nitrophenol	, , , , , , , , , , , , , , , , , , , 	ND		2.5	2		07/18/2020 17:39
N-Nitrosodipheny	vlamine	ND		0.50	2		07/18/2020 17:39
N-Nitrosodi-n-pro	pylamine	ND		0.50	2		07/18/2020 17:39
Pentachlorophen	ol	ND		0.12	2		07/18/2020 17:39
Phenanthrene		ND		0.010	2		07/18/2020 17:39
Phenol		ND		0.10	2		07/18/2020 17:39
Pyrene		ND		0.0050	2		07/18/2020 17:39
Pyridine		ND		0.50	2		07/18/2020 17:39
1,2,4-Trichlorobe	nzene	ND		0.50	2		07/18/2020 17:39
2,4,5-Trichloroph	enol	ND		0.0050	2		07/18/2020 17:39
2,4,6-Trichloroph	enol	ND		0.0050	2		07/18/2020 17:39

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Coll	actod	Instrument	Batch ID
SB-5-5	2007558-012	3 Soil	07/10/2020	10:55	GC21 07182020.D	201664
Analytes	Result		RL	<u>DF</u>		Date Analyzed
Surrogates	REC (%)	<u>Qualifiers</u>	<u>Limits</u>			9
2-Fluorophenol	84		60-130			07/18/2020 17:39
Phenol-d5	81		50-130	77.7		07/18/2020 17:39
Nitrobenzene-d5	67		60-130			07/18/2020 17:39
2-Fluorobiphenyl	77		60-130			07/18/2020 17:39
2,4,6-Tribromophenol	19	S	50-130			07/18/2020 17:39
4-Terphenyl-d14	80		50-130			07/18/2020 17:39
Analyst(s): HD		* *	Analytical Com	ments: c1		

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 550 877 Shortsoft healty land

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B WWW WW Shares and an all

Analytical Method: SW8270C WWW allowed the statements of the statement of the statements of the statement of the statements of the statement of the statements of the statemen

Unit: mg/Kg

Semi-Volatile Organics

Client ID meanwright	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
SB-7-115. G (2008870 FX09	2007558-	015B Soil	07/10/2020	11:20	GC21 07182021.D	201664
Analytes = MA AMO	Result	18	RL	DF 3/2		Date Analyzed
Acenaphthene	ND S		0.021	2 014		07/18/2020 18:06
Acenaphthylene	ND	0.21	0.021	2 014		07/18/2020 18:06
Acetochlor	ND	15.0	4.0	2 04		07/18/2020 18:06
Anthracene	ND	(£.0)	0.021	2		07/18/2020 18:06
Benzidine Benzidine	ND	0.4	20	2	60	07/18/2020 18:06
Benzo (a) anthracene	ND	0,040	0.21	2 04		07/18/2020 18:06
Benzo (a) pyrene	ND S	(14-0,0)	0.040	2 GM		07/18/2020 18:06
Benzo (b) fluoranthene	ND S	ONGO	0.040	2		07/18/2020 18:06
Benzo (g,h,i) perylene	ND	P30.0	0.040	2 11/4	0	07/18/2020 18:06
Benzo (k) fluoranthene	ND	SE	0.040	2 014	tadiene	07/18/2020 18:06
Benzyl Alcohol	ND	0.21	20	2		07/18/2020 18:06
1,1-Biphenyl	ND	0.21	0.21	2	9(19)	07/18/2020 18:06
Bis (2-chloroethoxy) Methane	ND	0.4	4.0	2 0//		07/18/2020 18:06
Bis (2-chloroethyl) Ether	ND S	150.0	0.040	2	3	07/18/2020 18:06
Bis (2-chloroisopropyl) Ether	ND S	0.021	0.21	2	6)	07/18/2020 18:06
Bis (2-ethylhexyl) Adipate	ND	0.4	4.0	2 01/1	(102-51)	07/18/2020 18:06
Bis (2-ethylhexyl) Phthalate	ND S	4.0	0.40	2	(m.p.Crasol)	07/18/2020 18:06
4-Bromophenyl Phenyl Ether	ND	1300	4.0	2 01/4		07/18/2020 18:06
Butylbenzyl Phthalate	ND	20	0.40	2 014		07/18/2020 18:06
4-Chloroaniline	ND S	IK.	0.021	2 01/4		07/18/2020 18:06
4-Chloro-3-methylphenol	ND S	20	4.0	2		07/18/2020 18:06
2-Chloronaphthalene	ND	AT-JA	4.0	2 04		07/18/2020 18:06
2-Chlorophenol	ND	20	0.21	2 0 4		07/18/2020 18:06
4-Chlorophenyl Phenyl Ether	ND [©]	-20	4.0	2 9 14		07/18/2020 18:06
Chrysene Add Add	ND	0.3	0.040	2	STREET	07/18/2020 18:06
Dibenzo (a,h) anthracene	ND	0 =	0.040	2 0 1	=0005	07/18/2020 18:06
Dibenzofuran	ND	0.1	4.0	2		07/18/2020 18:06
Di-n-butyl Phthalate	ND	080.0	0.21	2		07/18/2020 18:06
1,2-Dichlorobenzene	ND S	.08 0	4.0	2 0		07/18/2020 18:06
1,3-Dichlorobenzene	ND	0.040	4.0	2		07/18/2020 18:06
1,4-Dichlorobenzene	ND S	0.45	4.0	2		07/18/2020 18:06
3,3-Dichlorobenzidine	ND S	0.8	0.040	2	900	07/18/2020 18:06
2,4-Dichlorophenol	ND	0500	0.021	2 04	10	07/18/2020 18:06
Diethyl Phthalate	ND	0.040	0.21	2	* fo	07/18/2020 18:06
2,4-Dimethylphenol	ND		4.0	2		07/18/2020 18:06
Dimethyl Phthalate	ND		0.040	2		07/18/2020 18:06
4,6-Dinitro-2-methylphenol	ND	# · · · · ·	20	2		07/18/2020 18:06

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-7-1	2007558-015B	Soil	07/10/2020	11:20	GC21 07182021.D	201664
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
2,4-Dinitrophenol	ND		4.0	2		07/18/2020 18:06
2,4-Dinitrotoluene	ND		0.21	2		07/18/2020 18:06
2,6-Dinitrotoluene	ND		0.21	2		07/18/2020 18:06
Di-n-octyl Phthalate	ND		0.21	2		07/18/2020 18:06
1,2-Diphenylhydrazine	ND		4.0	2		07/18/2020 18:06
Fluoranthene	ND		0.040	2		07/18/2020 18:06
Fluorene	ND		0.040	2		07/18/2020 18:06
Hexachlorobenzene	ND		0.040	2		07/18/2020 18:06
Hexachlorobutadiene	ND		0.021	2		07/18/2020 18:06
Hexachlorocyclopentadiene	ND	116	32	2		07/18/2020 18:06
Hexachloroethane	ND		0.21	2		07/18/2020 18:06
Indeno (1,2,3-cd) pyrene	ND		0.21	2		07/18/2020 18:06
Isophorone	ND		4.0	2		07/18/2020 18:06
1-Methylnaphthalene	ND		0.021	2 .	8	07/18/2020 18:06
2-Methylnaphthalene	ND .		0.021	2	, P	07/18/2020 18:06
2-Methylphenol (o-Cresol)	ND	X.	4.0	2		07/18/2020 18:06
3 & 4-Methylphenol (m,p-Cresol)	ND		4.0	2		07/18/2020 18:06
Naphthalene	ND		0.021	2		07/18/2020 18:06
2-Nitroaniline	ND		20	2		07/18/2020 18:06
3-Nitroaniline	ND		20	2		07/18/2020 18:06
4-Nitroaniline	ND		20	2		07/18/2020 18:06
Nitrobenzene	ND		4.0	2		07/18/2020 18:06
2-Nitrophenol	ND		20	2		07/18/2020 18:06
4-Nitrophenol	ND		20	2		07/18/2020 18:06
N-Nitrosodiphenylamine	ND		4.0	2		07/18/2020 18:06
N-Nitrosodi-n-propylamine	ND -		4.0	2		07/18/2020 18:06
Pentachlorophenol	ND		1.0	2		07/18/2020 18:06
Phenanthrene	ND		0.080	2		07/18/2020 18:06
Phenol	ND		0.80	2		07/18/2020 18:06
Pyrene	ND		0.040	2		07/18/2020 18:06
Pyridine	ND		4.0	2		07/18/2020 18:06
1,2,4-Trichlorobenzene	ND		4.0	2		07/18/2020 18:06
2,4,5-Trichlorophenol	ND		0.040	2		07/18/2020 18:06
2,4,6-Trichlorophenol	ND		0.040	2		07/18/2020 18:06

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 VC8VA abade W. heater and

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C 054 150 short approximate

Unit:

mg/Kg A.; 10-210-21

Client ID	Instrument	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-7-10% CLSSOSETS0 18:050		2007558-015B Soil		07/10/2020	11:20	GC21 07182021.D	201664
Analytes		Result	BL	RL	DF 3A		Date Analyzed
07/18/2020 18 33		1	0.0013		CM		Acenaphinere
<u>Surrogates</u>		REC (%)	Qualifiers Qualifiers	<u>Limits</u>			
2-Fluorophenol		90		60-130			07/18/2020 18:06
Phenol-d5		80	£10000	50-130	GM		07/18/2020 18:06
Nitrobenzene-d5		74	2.1	60-130	OM		07/18/2020 18:06
2-Fluorobiphenyl		88	0.013	60-130	OM		07/18/2020 18:06
2,4,6-Tribromophenol		31	S S	50-130	131/1		07/18/2020 18:06
4-Terphenyl-d14		86	0.0025	50-130	7367	(A)	07/18/2020 18:06
Analyst(s): HD				Analytical Com	ments: c1,a	3	

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-7-6	2007558-017B	Soil	07/10/2020	11:20	GC21 07182022.D	201664
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Acenaphthene	ND		0.0013	1		07/18/2020 18:33
Acenaphthylene	ND	11.0	0.0013	1		07/18/2020 18:33
Acetochlor	ND		0.25	1		07/18/2020 18:33
Anthracene	ND		0.0013	1		07/18/2020 18:33
Benzidine	ND		1.2	1		07/18/2020 18:33
Benzo (a) anthracene	ND		0.013	1		07/18/2020 18:33
Benzo (a) pyrene	ND		0.0025	1		07/18/2020 18:33
Benzo (b) fluoranthene	ND		0.0025	1		07/18/2020 18:33
Benzo (g,h,i) perylene	ND	w _x	0.0025	1		07/18/2020 18:33
Benzo (k) fluoranthene	ND		0.0025	1		07/18/2020 18:33
Benzyl Alcohol	ND		1.2	1		07/18/2020 18:33
1,1-Biphenyl	ND		0.013	1		07/18/2020 18:33
Bis (2-chloroethoxy) Methane	ND		0.25	1		07/18/2020 18:33
Bis (2-chloroethyl) Ether	ND		0.0025	1		07/18/2020 18:33
Bis (2-chloroisopropyl) Ether	ND		0.013	1		07/18/2020 18:33
Bis (2-ethylhexyl) Adipate	ND		0.25	1		07/18/2020 18:33
Bis (2-ethylhexyl) Phthalate	ND		0.025	1		07/18/2020 18:33
4-Bromophenyl Phenyl Ether	ND		0.25	1		07/18/2020 18:33
Butylbenzyl Phthalate	ND		0.025	1		07/18/2020 18:33
4-Chloroaniline	ND		0.0013	1		07/18/2020 18:33
4-Chloro-3-methylphenol	ND		0.25	1		07/18/2020 18:33
2-Chloronaphthalene	ND		0.25	1		07/18/2020 18:33
2-Chlorophenol	ND		0.013	1		07/18/2020 18:33
4-Chlorophenyl Phenyl Ether	ND		0.25	1		07/18/2020 18:33
Chrysene	ND		0.0025	1		07/18/2020 18:33
Dibenzo (a,h) anthracene	ND		0.0025	1	· · · · · · · · · · · · · · · · · · ·	07/18/2020 18:33
Dibenzofuran	ND		0.25	1		07/18/2020 18:33
Di-n-butyl Phthalate	ND		0.013	1		07/18/2020 18:33
1,2-Dichlorobenzene	ND		0.25	1		07/18/2020 18:33
1,3-Dichlorobenzene	ND		0.25	1		07/18/2020 18:33
1,4-Dichlorobenzene	ND		0.25	1		07/18/2020 18:33
3,3-Dichlorobenzidine	ND		0.0025	1	***************************************	07/18/2020 18:33
2,4-Dichlorophenol	ND		0.0013	1		07/18/2020 18:33
Diethyl Phthalate	ND		0.013	1		07/18/2020 18:33
2,4-Dimethylphenol	ND		0.25	1		07/18/2020 18:33
Dimethyl Phthalate	ND		0.0025	1		07/18/2020 18:33
4,6-Dinitro-2-methylphenol	ND		1.2	1		07/18/2020 18:33

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B (S. 01.00) charles and small

Analytical Method: SW8270C (1771) abantages S eas (1771)

Unit:

mg/Kg

Client ID	Lab ID 10	Matrix	Date Coll	ected	Instrument	Batch ID	
SB-7-5	2007558-017	2007558-017B Soil		07/10/2020 11:20		201664	
Analytes (1946)	Result	18	<u>RL</u>	<u>DF</u>		Date Analyzed	
2,4-Dinitrophenol	ND		0.25	1		07/18/2020 18:33	
2,4-Dinitrotoluene	ND	Paul	0.013	1001		07/18/2020 18:33	
2,6-Dinitrotoluene	ND (1)	rea	0.013	1 💯		07/18/2020 18:33	
Di-n-octyl Phthalate	ND	1-0d	0.013	1 3		07/18/2020 18:33	
1,2-Diphenylhydrazine	ND 08	r 0a	0.25	1 88		07/18/2020 18:33	
Fluoranthene	ND	145	0.0025	1 PA		07/18/2020 18:33	
Fluorene	ND ND	In-Cat	0.0025	1 55		07/18/2020 18:33	
Hexachlorobenzene	ND	(men)	0.0025	1		07/18/2020 18:33	
Hexachlorobutadiene	ND	I LUIVISTA	0.0013	1		07/18/2020 18:33	
Hexachlorocyclopentadiene	ND		2.0	1		07/18/2020 18:33	
Hexachloroethane	ND		0.013	1		07/18/2020 18:33	
Indeno (1,2,3-cd) pyrene	ND	-	0.013	1		07/18/2020 18:33	
Isophorone	ND		0.25	1		07/18/2020 18:33	
1-Methylnaphthalene	ND		0.0013	1		07/18/2020 18:33	
2-Methylnaphthalene	ND		0.0013	1		07/18/2020 18:33	
2-Methylphenol (o-Cresol)	ND		0.25	1		07/18/2020 18:33	
3 & 4-Methylphenol (m,p-Creso	ol) ND		0.25	1		07/18/2020 18:33	
Naphthalene	ND		0.0013	1		07/18/2020 18:33	
2-Nitroaniline	ND		1.2	1		07/18/2020 18:33	
3-Nitroaniline	ND		1.2	1		07/18/2020 18:33	
4-Nitroaniline	ND		1.2	1		07/18/2020 18:33	
Nitrobenzene	ND		0.25	1		07/18/2020 18:33	
2-Nitrophenol	ND		1.2	1		07/18/2020 18:33	
4-Nitrophenol	ND		1.2	1		07/18/2020 18:33	
N-Nitrosodiphenylamine	ND		0.25	1		07/18/2020 18:33	
N-Nitrosodi-n-propylamine	ND		0.25	1	2	07/18/2020 18:33	
Pentachlorophenol	ND		0.062	1		07/18/2020 18:33	
Phenanthrene	ND		0.0050	1		07/18/2020 18:33	
Phenol	ND		0.050	1	***************************************	07/18/2020 18:33	
Pyrene	ND		0.0025	1		07/18/2020 18:33	
Pyridine	ND		0.25	1		07/18/2020 18:33	
1,2,4-Trichlorobenzene	ND		0.25	1		07/18/2020 18:33	
2,4,5-Trichlorophenol	ND		0.0025	1		07/18/2020 18:33	
2,4,6-Trichlorophenol	ND		0.0025	1		07/18/2020 18:33	

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Matrix Date Collected Instr		Instrument	Batch ID
SB-7-5	2007558-017B	2007558-017B Soil		11:20	GC21 07182022.D	201664
Analytes	Result		RL	<u>DF</u>		Date Analyzed
Surrogates	REC (%)	Qualifiers	<u>Limits</u>			. (
2-Fluorophenol	81		60-130			07/18/2020 18:33
Phenol-d5	78		50-130			07/18/2020 18:33
Nitrobenzene-d5	68		60-130	6		07/18/2020 18:33
2-Fluorobiphenyl	74		60-130			07/18/2020 18:33
2,4,6-Tribromophenol	25	S	50-130			07/18/2020 18:33
4-Terphenyl-d14	77		50-130			07/18/2020 18:33
Analyst(s): HD	4		Analytical Com	ments: c2		

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020 WWW shodes of leasing to a

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625 W 0200 0 Not described and

Analytical Method: SW8270C 000 1 500 diseasoger 4 at all

Unit:

19-042-01: Ant/μg/Lumber

Semi-Volatile Organics

Client ID		Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
GG21 67182616.D 201119H		2007558-003E	Water	07/10/2020 13:50		GC21 07182015.D	201688
Analytes and all a	3	Result	153	RL	DF 3		Date Analyzed
Acenaphthene		ND S		0.017	2 01/4		07/18/2020 15:22
Acenaphthylene	1	ND S	J.	0.017	2 0/4		07/18/2020 15:22
Acetochlor	1	ND	.0	3.5	2		07/18/2020 15:22
Anthracene		ND	.0	0.035	2,014		07/18/2020 15:22
Benzidine)	ND	.0	17	2		07/18/2020 15:22
Benzo (a) anthrac	cene	ND S	.0	0.17	2		07/18/2020 15:22
Benzo (a) pyrene)	2 DN	8	0.035	2 014	ŝn	07/18/2020 15:22
Benzo (b) fluoran	thene	ND 2 ago	.0	0.069	2		07/18/2020 15:22
Benzo (g,h,i) pery	lene	ND	.0	0.069	2 QM		07/18/2020 15:22
Benzo (k) fluoran	thene	ND S TIO	.0	0.035	2 4		07/18/2020 15:22
Benzoic Acid		025 Z DN	.0	17	2 01/4	91	07/18/2020 15:22
Benzyl Alcohol		ND		17	2 04	nadiene	07/18/2020 15:22
1,1-Biphenyl)	ND S	.0	0.17	2 074		07/18/2020 15:22
Bis (2-chloroetho	xy) Methane	ND S 020	0	3.5	2 014	91 BT	07/18/2020 15:22
Bis (2-chloroethyl		ND S	3	0.035	2		07/18/2020 15:22
Bis (2-chloroisopr	opyl) Ether	ND S DN	1)	0.17	2	*	07/18/2020 15:22
Bis (2-ethylhexyl)	Adipate	ND S	ŝ.	3.5	2 0 4	Nosol)	07/18/2020 15:22
Bis (2-ethylhexyl)	Phthalate	ND	3	0.69	2 0 //	(lozácii g,m)	07/18/2020 15:22
4-Bromophenyl P	henyl Ether	ND S	0	3.5	2 04		07/18/2020 15:22
Butylbenzyl Phtha	alate	ND	1	0.17	2		07/18/2020 15:22
4-Chloroaniline	l.	ND	d	0.017	2 014		07/18/2020 15:22
4-Chloro-3-methy	Iphenol	ND S		3.5	2 (1)		07/18/2020 15:22
2-Chloronaphthal	ene	ND S	.C	3.5	2 014		07/18/2020 15:22
2-Chlorophenol		ND	1	0.17	2 1/4		07/18/2020 15:22
4-Chlorophenyl P	henyl Ether	ND	(3.5	2		07/18/2020 15:22
Chrysene		ND S	E"	0.035	2 04	ante	07/18/2020 15:22
Dibenzo (a,h) ant	hracene	ND	L.	0.035	2 014	marana	07/18/2020 15:22
Dibenzofuran		ND S	0	3.5	2		07/18/2020 15:22
Di-n-butyl Phthala	ate	ND S	Ď.	0.17	2		07/18/2020 15:22
1,2-Dichlorobenze	ene	ND	()	3.5	2 🕒		07/18/2020 15:22
1,3-Dichlorobenze	ene	ND S ASS	(3.5	2 GM		07/18/2020 15:22
1,4-Dichlorobenze	ene	ND	3	3.5	2		07/18/2020 15:22
3,3-Dichlorobenzi	dine	ND		0.069	2 014	1619	07/18/2020 15:22
2,4-Dichlorophen	ol	ND S	Ü	0.035	2 014	la	07/18/2020 15:22
Diethyl Phthalate	4	ND 3	g) - Eg	0.17	2 014	lo,	07/18/2020 15:22
2,4-Dimethylphen	nol	ND - ND	1	3.5	2 🗆	91	07/18/2020 15:22
Dimethyl Phthalat	te	ND		0.035	2		07/18/2020 15:22

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Semi-Volatile Organics

Client ID	Lab ID Matrix		Date Coll	ected	Instrument	Batch ID
HP1	2007558-003E	Water	07/10/2020 13:50		GC21 07182015.D	201688
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
4,6-Dinitro-2-methylphenol	ND		17	2		07/18/2020 15:22
2,4-Dinitrophenol	ND	п	6.9	2		07/18/2020 15:22
2,4-Dinitrotoluene	ND		0.17	2		07/18/2020 15:22
2,6-Dichlorophenol	ND		0.17	2		07/18/2020 15:22
2,6-Dinitrotoluene	ND		0.17	2	-	07/18/2020 15:22
Di-n-octyl Phthalate	ND		0.17	2		07/18/2020 15:22
1,2-Diphenylhydrazine	ND		3.5	2		07/18/2020 15:22
Fluoranthene	ND		0.035	2		07/18/2020 15:22
Fluorene	ND		0.035	2		07/18/2020 15:22
Hexachlorobenzene	ND		0.017	2		07/18/2020 15:22
Hexachlorobutadiene	ND		0.035	2		07/18/2020 15:22
Hexachlorocyclopentadiene	ND		17	2		07/18/2020 15:22
Hexachloroethane	ND		0.17	2		07/18/2020 15:22
Indeno (1,2,3-cd) pyrene	ND		0.069	2	1	07/18/2020 15:22
Isophorone	ND	3	3.5	2		07/18/2020 15:22
2-Methylnaphthalene	ND		0.035	2	¢ _{w1}	07/18/2020 15:22
2-Methylphenol (o-Cresol)	ND		3.5	2		07/18/2020 15:22
3 & 4-Methylphenol (m,p-Cresol)	ND		3.5	2		07/18/2020 15:22
Naphthalene	ND		0.17	2		07/18/2020 15:22
2-Nitroaniline	ND		17	2		07/18/2020 15:22
3-Nitroaniline	ND		17	2		07/18/2020 15:22
4-Nitroaniline	ND		17	2		07/18/2020 15:22
Nitrobenzene	ND		3.5	2		07/18/2020 15:22
2-Nitrophenol	ND		17	2		07/18/2020 15:22
4-Nitrophenol	ND		17	2		07/18/2020 15:22
N-Nitrosodiphenylamine	ND		3.5	2		07/18/2020 15:22
N-Nitrosodi-n-propylamine	ND		3.5	2		07/18/2020 15:22
Pentachlorophenol	ND		0.86	2		07/18/2020 15:22
Phenanthrene	ND		0.069	2		07/18/2020 15:22
Phenol	ND		0.69	2		07/18/2020 15:22
Pyrene	ND		0.035	2		07/18/2020 15:22
Pyridine	ND		3.5	2		07/18/2020 15:22
1,2,4-Trichlorobenzene	ND		3.5	2		07/18/2020 15:22
2,4,5-Trichlorophenol	ND		0.035	2		07/18/2020 15:22
2,4,6-Trichlorophenol	ND		0.035	2		07/18/2020 15:22
1-Methylnaphthalene	ND		0.017	2		07/18/2020 15:22

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 11 should be a not sport and

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Sein- Volatile Organies										
Client ID		Lab ID	Matrix	Date Collected		Instrument	Batch ID			
HP10192 Question 2001		2007558-	003E Water	07/10/2020	13:50	GC21 07182015.D	201688			
Analytes		Result	./B	<u>RL</u>	DF		Date Analyzed			
07/18/2020 17:11			1000 0		GИ		Acennohirana			
<u>Surrogates</u>		REC (%)		<u>Limits</u>						
2-Fluorophenol		44		20-130			07/18/2020 15:22			
Phenol-d5		35	0.012	20-130	OM		07/18/2020 15:22			
Nitrobenzene-d5		57	1.8	30-130	CIM		07/18/2020 15:22			
2-Fluorobiphenyl		64	180.0	40-130	CN	3	07/18/2020 15:22			
2,4,6-Tribromophenol		68	chan	40-130	CIM		07/18/2020 15:22			
4-Terphenyl-d14		88	E4001	40-130	CM	-	07/18/2020 15:22			
Analyst(s): HD				Analytical Com			Benzo (j. h.i) penjew			

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625

Analytical Method: SW8270C

Unit:

 $\mu g/L$

Semi-Volatile Organics

Acenaphthene ND 0.0061 Acenaphthylene ND 0.0061 Acetochlor ND 1.2 Anthracene ND 0.012 Benzidine ND 0.012 Benzo (a) anthracene ND 0.061 Benzo (a) pyrene ND 0.012 Benzo (b) fluoranthene ND 0.025 Benzo (g,h,i) perylene ND 0.025 Benzo (k) fluoranthene ND 0.025 Benzo (k) fluoranthene ND 0.012 Benzoic Acid ND 0.012 Benzoic Acid ND 6.1 Benzoic Acid ND 6.1 J.1-Biphenyl ND 0.061 Bis (2-chloroethoxy) Methane ND 1.2 Bis (2-chloroethyl) Ether ND 0.012 Bis (2-chloroethyl) Ether ND 0.061 Bis (2-chlorospopyl) Ether ND 0.25 Bis (2-ethylhexyl) Phthalate ND 0.25 4-Bromophenyl Phenyl Ether ND 0.061 <th>DE Date Analyzed 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17:</th>	DE Date Analyzed 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17:
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Benzyl Alcohol ND 6.1 1,1-Biphenyl ND 0.061 Bis (2-chloroethoxy) Methane ND 1.2 Bis (2-chloroethyl) Ether ND 0.012 Bis (2-chloroisopropyl) Ether ND 0.061 Bis (2-ethylhexyl) Adipate ND 1.2 Bis (2-ethylhexyl) Phthalate ND 0.25 4-Bromophenyl Phenyl Ether ND 1.2 Butylbenzyl Phthalate ND 0.061 4-Chloroaniline ND 0.0061 4-Chloro-3-methylphenol ND 1.2 2-Chlorophenol ND 1.2 2-Chlorophenol ND 0.061 4-Chlorophenyl Phenyl Ether ND 0.061 4-Chlorophenyl Phenyl Ether ND 0.012 Chrysene ND 0.012	1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17: 1 07/18/2020 17:
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4-Chlorophenyl Phenyl Ether ND 1.2 Chrysene ND 0.012 Dibenzo (a,h) anthracene ND 0.012	1 07/18/2020 17:1
Chrysene ND 0.012 Dibenzo (a,h) anthracene ND 0.012	1 07/18/2020 17:1
Dibenzo (a,h) anthracene ND 0.012	1 07/18/2020 17:1
	1 07/18/2020 17:1
Dihenzofuran ND 12	1 07/18/2020 17:1
Diperizordi di 112	1 07/18/2020 17:1
Di-n-butyl Phthalate 0.11 0.061	1 07/18/2020 17:1
1,2-Dichlorobenzene ND 1.2	1 07/18/2020 17:1
1,3-Dichlorobenzene ND 1.2	1 07/18/2020 17:1
	1 07/18/2020 17:1
	1 07/18/2020 17:1
2,4-Dichlorophenol 0.025 0.012	1 07/18/2020 17:1
- 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 197	1 07/18/2020 17:1
2,4-Dimethylphenol ND 1.2	
Dimethyl Phthalate ND 0.012	1 07/18/2020 17:1

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 A aborded nonlearned

Date Prepared: 07/13/2020 WWW about the body land

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625

Analytical Method: SW8270C MSA IN December 2013 And

Unit: 10-510-51

Semi-Volatile Organics

Client ID	Lab ID 1100	Lab ID Matrix 2007558-018D Water		Date Collected 07/10/2020 14:30		Batch ID
HP7 (F02 0.610,281)	2007558-018					201688
Analytes and atacl	Result	18	RL	<u>DF</u>		Date Analyzed
4,6-Dinitro-2-methylphenol	ND		6.1	1		07/18/2020 17:11
2,4-Dinitrophenol	ND	miji	2.5	IK DAN		07/18/2020 17:11
2,4-Dinitrotoluene	ND OF	-05.	0.061	1 88		07/18/2020 17:11
2,6-Dichlorophenol	ND	407	0.061	24 1		07/18/2020 17:11
2,6-Dinitrotoluene	ND	-UE	0.061	1 00		07/18/2020 17:11
Di-n-octyl Phthalate	ND ND	-UP	0.061	1 10		07/18/2020 17:11
1,2-Diphenylhydrazine	ND	-014	1.2	- 1		07/18/2020 17:11
Fluoranthene	ND	-122	0.012	1		07/18/2020 17:11
Fluorene	ND		0.012	1		07/18/2020 17:11
Hexachlorobenzene	ND		0.0061	1		07/18/2020 17:11
Hexachlorobutadiene	ND		0.012	1		07/18/2020 17:11
Hexachlorocyclopentadiene	ND		6.1	1		07/18/2020 17:11
Hexachloroethane	ND		0.061	1		07/18/2020 17:11
Indeno (1,2,3-cd) pyrene	ND		0.025	1		07/18/2020 17:11
Isophorone	ND		1.2	1		07/18/2020 17:11
2-Methylnaphthalene	ND		0.012	1		07/18/2020 17:11
2-Methylphenol (o-Cresol)	ND		1.2	1		07/18/2020 17:11
3 & 4-Methylphenol (m,p-Cresol)	ND		1.2	1		07/18/2020 17:11
Naphthalene	ND		0.061	1		07/18/2020 17:11
2-Nitroaniline	ND		6.1	1		07/18/2020 17:11
3-Nitroaniline	ND		6.1	1		07/18/2020 17:11
4-Nitroaniline	ND		6.1	1		07/18/2020 17:11
Nitrobenzene	ND		1.2	1		07/18/2020 17:11
2-Nitrophenol	ND		6.1	1		07/18/2020 17:11
4-Nitrophenol	ND		6.1	1		07/18/2020 17:11
N-Nitrosodiphenylamine	ND		1.2	1		07/18/2020 17:11
N-Nitrosodi-n-propylamine	ND		1.2	1		07/18/2020 17:11
Pentachlorophenol	ND		0.31	1		07/18/2020 17:11
Phenanthrene	ND		0.025	1		07/18/2020 17:11
Phenol	ND		0.25	1		07/18/2020 17:11
Pyrene	ND		0.012	1		07/18/2020 17:11
Pyridine	ND		1.2	1		07/18/2020 17:11
1,2,4-Trichlorobenzene	ND		1.2	1		07/18/2020 17:11
2,4,5-Trichlorophenol	ND		0.012	1	0	07/18/2020 17:11
2,4,6-Trichlorophenol	ND		0.012	1		07/18/2020 17:11
1-Methylnaphthalene	ND		0.0061	1		07/18/2020 17:11

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
HP7	2007558-018D	Water	07/10/2020 14:30		GC21 07182019.D	201688
Analytes	Result		<u>RL</u>	DF		Date Analyzed
Surrogates	REC (%)		<u>Limits</u>			
2-Fluorophenol	33		20-130			07/18/2020 17:11
Phenol-d5	24		20-130			07/18/2020 17:11
Nitrobenzene-d5	60		30-130	ā		07/18/2020 17:11
2-Fluorobiphenyl	64		40-130			07/18/2020 17:11
2,4,6-Tribromophenol	66	9	40-130			07/18/2020 17:11
4-Terphenyl-d14	71		40-130	0.9		07/18/2020 17:11
Analyst(s): HD						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 18 should be mailtained.

Date Prepared: 07/13/2020 MODEL shortes Model Model from the Model of the Model of

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E200.8 UCACAGO Charles and and

Analytical Method: E200.8 MEDIALING hearing also

Unit:

19-642-01; Art **J/g**µl.umber

Dissolved CAM / CCR 17 Metals

Client ID		Lab ID	Matrix	Date Col	llected	Instrument	Batch ID
2011PH	ICP-MS2 0975MPL.D	2007558-003D	Water	07/10/2020 13:50		ICP-MS2 085SMPL.D	201678
Analytes Analytes		Result	Qualifiers	RL.	<u>DF</u>	.,	Date Analyzed
Antimony		ND	.∂ F	5.0	10		07/15/2020 22:33
Arsenic		ND).3 F	5.0	10		07/15/2020 22:33
Barium		82	08 F	50	1034		07/15/2020 22:33
Beryllium		ND	1.8 F	5.0	10		07/15/2020 22:33
Cadmium		ND	SF	2.5	10		07/15/2020 22:33
Chromium		ND	∂F	5.0	10		07/15/2020 22:33
Cobalt		ND	lð F	5.0	101/4		07/15/2020 22:33
Copper		ND	3 F	5.0	10.314		07/15/2020 22:33
Lead USOS\arms0		ND	ΒF	5.0	10		07/15/2020 22:33
Mercury		ND	0 F	0.50	10		07/15/2020 22:33
Molybdenum		73	d F	5.0	10		07/15/2020 22:33
Nickel		5.9	ĕ F	5.0	10	F	07/15/2020 22:33
Selenium		ND	3 F	5.0	10		07/15/2020 22:33
Silver		ND	F	1.9	10 1/1		07/15/2020 22:33
Thallium		ND	-d F	5.0	10		07/15/2020 22:33
Vanadium	(2)	26	ê F	5.0	10	*	07/15/2020 22:33
Zinc		ND 0	i.L.	150	10		07/15/2020 22:33

Analyst(s): WV

Analytical Comments: a1

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E200.8

Analytical Method: E200.8

Unit:

μg/L

Dissolved CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Col	llected	Instrument	Batch ID
HP7	2007558-018E	Water	07/10/202	0 14:30	ICP-MS2 097SMPL.D	201678
Analytes	Result	Qualifiers	RL	DF		Date Analyzed
Antimony	ND	F	5.0	10		07/15/2020 23:47
Arsenic	7.7	F	5.0	10		07/15/2020 23:47
Barium	ND	F	50	10		07/15/2020 23:47
Beryllium	ND	F	5.0	10		07/15/2020 23:47
Cadmium	ND	F	2.5	10		07/15/2020 23:47
Chromium	ND	F	5.0	10		07/15/2020 23:47
Cobalt	ND ·	F	5.0	10		07/15/2020 23:47
Copper	ND	F	5.0	10		07/15/2020 23:47
Lead	ND	F	5.0	10	***************************************	07/15/2020 23:47
Mercury	ND	F	0.50	10		07/15/2020 23:47
Molybdenum	87	F	5.0	10		07/15/2020 23:47
Nickel	ND	F	5.0	10		07/15/2020 23:47
Selenium	ND	F	5.0	10		07/15/2020 23:47
Silver	ND	F	1.9	10		07/15/2020 23:47
Thallium	ND	F	5.0	10		07/15/2020 23:47
Vanadium	36	F	5.0	10		07/15/2020 23:47
Zinc	ND	F	150	10		07/15/2020 23:47

Analyst(s): WV

Analytical Comments: a1

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: E200.8 USOS ULLA CONTROL CO

Analytical Method: E200.8 USUS FIRST shares grad as a C

Unit:

μg/L n/ 10 CLO 0

Dissolved CAM / CCR 17 Metals

Client ID manufact		Lab ID		Matrix	Date Co	llected	Instrument	Batch ID
HP1a	ICP-MSs 1241SMPL d	2007558-	2007558-020C W		Water 07/10/2020		ICP-MS2 094SMPL.D	201678
Analytes Analytes		Result		Qualifiers	<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony		ND		F	5.0	10		07/15/2020 23:28
Arsenic		ND	0.50	F	5.0	10		07/15/2020 23:28
Barium		73	0,3	F	50	10		07/15/2020 23:28
Beryllium		ND	0.80	F	5.0	10		07/15/2020 23:28
Cadmium		ND	0.50	F	2.5	10		07/15/2020 23:28
Chromium		ND	U.8.10	F	5.0	10		07/15/2020 23:28
Cobalt		ND	0.50	F	5.0	10		07/15/2020 23:28
Copper		ND	0,30	F	5.0	10		07/15/2020 23:28
Lead		ND	0.50	F	5.0	10		07/15/2020 23:28
Mercury		ND	0.000	F	0.50	10		07/15/2020 23:28
Molybdenum		60	0.50	F	5.0	10		07/15/2020 23:28
Nickel		5.4	0.60	F	5.0	10		07/15/2020 23:28
Selenium		ND	0.50	F	5.0	10		07/15/2020 23:28
Silver		ND	0.50	F	1.9	10		07/15/2020 23:28
Thallium O.A.T.N.O.		ND	12.0	F	5.0	10		07/15/2020 23:28
Vanadium		19	05.0	F	5.0	10		07/15/2020 23:28
Zinc		ND	0.3	F	150	10		07/15/2020 23:28

Analyst(s): WV

Analytical Comments: a1

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-1-2	2007558-001A	Soil	07/10/2020		ICP-MS4 1341SMPL.d	201650
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
Antimony	0.51		0.50	1		07/17/2020 01:05
Arsenic	6.1		0.50	1		07/17/2020 01:05
Barium	120		5.0	1		07/17/2020 01:05
Beryllium	ND		0.50	1		07/17/2020 01:05
Cadmium	ND		0.50	1		07/17/2020 01:05
Chromium	35		0.50	1		07/17/2020 01:05
Cobalt	9.8		0.50	1		07/17/2020 01:05
Copper	70		0.50	1		07/17/2020 01:05
Lead	15		0.50	1		07/17/2020 01:05
Mercury	0.11		0.050	1		07/17/2020 01:05
Molybdenum	0.50		0.50	1		07/17/2020 01:05
Nickel	34		0.50	1		07/17/2020 01:05
Selenium	0.90		0.50	1		07/17/2020 01:05
Silver	ND		0.50	1		07/17/2020 01:05
Thallium	ND		0.50	1		07/17/2020 01:05
Vanadium	53		0.50	1		07/17/2020 01:05
Zinc	59		5.0	1		07/17/2020 01:05
<u>Surrogates</u>	REC (%)		<u>Limits</u>			
Terbium	109		70-130			07/17/2020 01:05
Analyst(s): JAG						N

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 W Con WZ about the Application

Project:

19-042-01; Antioch Lumber

WorkOrder:

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Analytical Method: SW6020 0502.51 50 storages 1

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-1-5	TOP-MS4 13439MPLd	2007558-002A Soil		07/10/2020 09:25		ICP-MS4 1342SMPL.d	201650
Analytes Analytes		Result	.la	RL	<u>DF</u>		Date Analyzed
Antimony		ND		0.50	1.00		07/17/2020 01:09
Arsenic		5.5	03.0	0.50	1.7		07/17/2020 01:09
Barium 2001		99	0.8	5.0	157		07/17/2020 01:09
Beryllium		ND	0.50	0.50	1 00		07/17/2020 01:09
Cadmium		ND	08.0	0.50	1 04		07/17/2020 01:09
Chromium		43	0.50	0.50	135		07/17/2020 01:09
Cobalt		9.9	05-0	0.50	107		07/17/2020 01:09
Copper		19	U8.0	0.50	181		07/17/2020 01:09
Lead		4.7	0a.c	0.50	148	0	07/17/2020 01:09
Mercury		0.10	1180 C	0.050	1 04		07/17/2020 01:09
Molybdenum		1.1	CELO	0.50	1 04		07/17/2020 01:09
Nickel		43	08.60	0.50	177		07/17/2020 01:09
Selenium		0.84	0.50	0.50	1		07/17/2020 01:09
Silver		ND	020	0.50	1 0/4		07/17/2020 01:09
Thallium		ND	0.50	0.50	1 094		07/17/2020 01:09
Vanadium		54	03.0	0.50	110		07/17/2020 01:09
Zinc 0.0505351450		49	5.0	5.0	110		07/17/2020 01:09
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium		108		70-130			07/17/2020 01:09
Analyst(s): JAG							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID Matrix	Date Collecte	d Instrument Batch ID
SB-2-2	2007558-004A Soil	07/10/2020 08:4	5 ICP-MS4 1343SMPL.d 201650
<u>Analytes</u>	Result	RL C	<u>Pate Analyzed</u>
Antimony	ND	0.50 1	07/17/2020 01:13
Arsenic	5.1	0.50 1	07/17/2020 01:13
Barium	170	5.0 1	07/17/2020 01:13
Beryllium	ND	0.50 1	07/17/2020 01:13
Cadmium	ND	0.50 1	07/17/2020 01:13
Chromium	45	0.50 1	07/17/2020 01:13
Cobalt	10	0.50 1	07/17/2020 01:13
Copper	18	0.50 1	07/17/2020 01:13
Lead	5.0	0.50 1	07/17/2020 01:13
Mercury	ND	0.050 1	07/17/2020 01:13
Molybdenum	ND	0.50 1	07/17/2020 01:13
Nickel	47	0.50 1	07/17/2020 01:13
Selenium	1.0	0.50 1	07/17/2020 01:13
Silver	ND	0.50 1	07/17/2020 01:13
Thallium	ND	0.50 1	07/17/2020 01:13
Vanadium	61	0.50 1	07/17/2020 01:13
Zinc	51	5.0 1	07/17/2020 01:13
Surrogates	REC (%)	<u>Limits</u>	
Terbium	108	70-130	07/17/2020 01:13
Analyst(s): JAG			

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 (a shareless of a shareless of a

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020 COCO Methods and the consumer to

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-2-5	DOP-ASS TIASBARLI	2007558	-005A Soil	07/10/2020	08:47	ICP-MS4 1344SMPL.d	201650
<u>Analytes</u>		Result	JS	<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony		ND		0.50	1 04		07/17/2020 01:17
Arsenic		4.3	02.0	0.50	10		07/17/2020 01:17
Barium		83	5.0.	5.0	188		07/17/2020 01:17
Beryllium		ND	68.0	0.50	1 9/4		07/17/2020 01:17
Cadmium		ND	080	0.50	1 GM	ę1	07/17/2020 01:17
Chromium		39	03.0	0.50	153		07/17/2020 01:17
Cobalt		8.5	08.0	0.50	221		07/17/2020 01:17
Copper		16	Orași O	0.50	175		07/17/2020 01:17
Lead		4.0	0.50	0.50	1),3		07/17/2020 01:17
Mercury		ND	hàn 6	0.050	0.10		07/17/2020 01:17
Molybdenum		ND	0610	0.50	4.0		07/17/2020 01:17
Nickel		42	Q 5 Q	0.50	165		07/17/2020 01:17
Selenium		0.85	0.60	0.50	1.1		07/17/2020 01:17
Silver		ND	(MLC	0.50	1 04		07/17/2020 01:17
Thallium		ND	0.50	0.50	1 94		07/17/2020 01:17
Vanadium		52	0.50	0.50	107		07/17/2020 01:17
Zinc		45	0.3	5.0	188		07/17/2020 01:17
<u>Surrogates</u>		REC (%)	gling)	<u>Limits</u>			
Terbium		105		70-130			07/17/2020 01:17
Analyst(s): JAG							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-3-2	2007558-006A	Soil	07/10/2020	11:55	ICP-MS4 1345SMPL.d	201650
Analytes	Result		RL	DF		Date Analyzed
Antimony	ND		0.50	1		07/17/2020 01:20
Arsenic	3.3		0.50	1		07/17/2020 01:20
Barium	89		5.0	1		07/17/2020 01:20
Beryllium	ND	*	0.50	1		07/17/2020 01:20
Cadmium	ND		0.50	1		07/17/2020 01:20
Chromium	43		0.50	1		07/17/2020 01:20
Cobalt	22	V	0.50	1		07/17/2020 01:20
Copper	270		0.50	1		07/17/2020 01:20
Lead	5.6		0.50	1		07/17/2020 01:20
Mercury	0.29		0.050	1		07/17/2020 01:20
Molybdenum	0.59		0.50	1		07/17/2020 01:20
Nickel	38	0,	0.50	1		07/17/2020 01:20
Selenium	1.4		0.50	1		07/17/2020 01:20
Silver	ND		0.50	1		07/17/2020 01:20
Thallium	ND		0.50	1		07/17/2020 01:20
Vanadium	70		0.50	1		07/17/2020 01:20
Zinc	45		5.0	1		07/17/2020 01:20
Surrogates	REC (%)		<u>Limits</u>			
Terbium	104		70-130			07/17/2020 01:20
Analyst(s): JAG						

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

			CAM / CCI	R 17 Metals			
Client ID	Instrument	Lab II) 100 11 Matrix	Date Coll	ected	Instrument	Batch ID
SB-3-5	ICP-MSA 13E0SMPLH	200755	8-007A Soil	07/10/2020	11:55	ICP-MS4 1349SMPL.d	201650
Analytes and stall		Result	18	<u>RL</u>	DF s		Date Analyzed
Antimony		ND 1		0.50	1 9/4		07/17/2020 01:35
Arsenic		7.0	0.50	0.50	1.8		07/17/2020 01:35
Barium		160	5.0	5.0	132)	07/17/2020 01:35
Beryllium		ND	0.50	0.50	1 00		07/17/2020 01:35
Cadmium		ND	0.50	0.50	1 GM)	07/17/2020 01:35
Chromium		39	0,50	0.50	133		07/17/2020 01:35
Cobalt		9.2	0.60	0.50	1.0		07/17/2020 01:35
Copper		25	u8-0	0.50	(152		07/17/2020 01:35
Lead		11	0.80	0.50	100		07/17/2020 01:35
Mercury		0.053	0.050	0.050	881.0		07/17/2020 01:35
Molybdenum		ND	0.50	0.50	8 1 .0		07/17/2020 01:35
Nickel		40	0g D	0.50	1 ES		07/17/2020 01:35
Selenium		1.0	0d.0	0.50	81.0		07/17/2020 01:35
Silver		ND	63.0	0.50	1 ОИ -		07/17/2020 01:35
Thallium Thallium		ND	06.0	0.50	1 94		07/17/2020 01:35
Vanadium		57	0.50	0.50	137		07/17/2020 01:35
Zinc (1000000000000000000000000000000000000		55	0.8	5.0	(18)		07/17/2020 01:35
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium		105		70-130		(07/17/2020 01:35
Analyst(s): JAG							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-4-1	2007558-008A	Soil	07/10/2020 1	11:51	ICP-MS4 1350SMPL.d	201650
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony	ND		0.50	1		07/17/2020 01:39
Arsenic	3.9		0.50	1		07/17/2020 01:39
Barium	260		5.0	1		07/17/2020 01:39
Beryllium	ND		0.50	1		07/17/2020 01:39
Cadmium	ND	*	0.50	1		07/17/2020 01:39
Chromium	25		0.50	1		07/17/2020 01:39
Cobalt	9.2		0.50	1		07/17/2020 01:39
Copper	250		0.50	1		07/17/2020 01:39
Lead	23	N	0.50	1		07/17/2020 01:39
Mercury	0.088		0.050	1 .		07/17/2020 01:39
Molybdenum	0.63		0.50	1		07/17/2020 01:39
Nickel	23		0.50	1		07/17/2020 01:39
Selenium	0.98		0.50	1		07/17/2020 01:39
Silver	ND		0.50	1		07/17/2020 01:39
Thallium	ND		0.50	1		07/17/2020 01:39
Vanadium	70		0.50	1		07/17/2020 01:39
Zinc	120		5.0	1		07/17/2020 01:39
Surrogates	REC (%)		<u>Limits</u>			
Terbium	103		70-130			07/17/2020 01:39
Analyst(s): JAG						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 / should be a should b

Date Prepared: 07/13/2020 00000000 thousand health and

Project:

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WorkOrder:

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Extraction Method: SW3050B 00000 The sharehough small

Analytical Method: SW6020 COUNTY OF SHARING STATE OF STATE OF SHARING STATE OF STATE OF SHARING STATE OF STATE OF SHARING STA

Unit:

mg/Kg A ; 10-51-0-01

Client ID		Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
SB-4-5	TOP MEA THE 25 MPL II	2007558-010A Soil		07/10/2020 11:51		ICP-MS4 1351SMPL.d	201650
<u>Analytes</u>		Result	EL	RL	<u>DF</u>		Date Analyzed
Antimony		ND		0.50	1 GM		07/17/2020 01:43
Arsenic		4.3	0,50	0.50	1.5		07/17/2020 01:43
Barium		110	0.a -	5.0	108		07/17/2020 01:43
Beryllium		ND	0.50	0.50	1 314		07/17/2020 01:43
Cadmium		ND T	0.80	0.50	1 00		07/17/2020 01:43
Chromium		34	0.6.0	0.50	188		07/17/2020 01:43
Cobalt		8.5	08.0	0.50	1.8		07/17/2020 01:43
Copper		16	0.80	0.50	177		07/17/2020 01:43
Lead		4.1	0.50	0.50	1.4		07/17/2020 01:43
Mercury		ND	080.0	0.050	0.12		07/17/2020 01:43
Molybdenum		ND	0.80	0.50	1 0И		07/17/2020 01:43
Nickel		38	0.60	0.50	188		07/17/2020 01:43
Selenium		0.75	0.50	0.50	11.0		07/17/2020 01:43
Silver		ND	08.0	0.50	1 du		07/17/2020 01:43
Thallium		ND	0.50	0.50	1 044		07/17/2020 01:43
Vanadium		53	0.50	0.50	130		07/17/2020 01:43
Zinc 0 0202(\$1000		43	0.8	5.0	111/2		07/17/2020 01:43
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium		105		70-130			07/17/2020 01:43
Analyst(s): JAG							

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project: 19-042-01; Antioch Lumber

WorkOrder: 2007558

Extraction Method: SW3050B **Analytical Method:** SW6020

Unit: mg/Kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-5-2	2007558-011B	Soil	07/10/2020	10:55	ICP-MS4 1352SMPL.d	201650
Analytes	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony	ND		0.50	1		07/17/2020 01:47
Arsenic	4.2	7	0.50	1		07/17/2020 01:47
Barium	80		5.0	1		07/17/2020 01:47
Beryllium	ND	t .	0.50	1		07/17/2020 01:47
Cadmium	ND		0.50	1		07/17/2020 01:47
Chromium	35		0.50	1		07/17/2020 01:47
Cobalt	8.8		0.50	1		07/17/2020 01:47
Copper	17		0.50	1		07/17/2020 01:47
Lead	4.2		0.50	1		07/17/2020 01:47
Mercury	0.12		0.050	1		07/17/2020 01:47
Molybdenum	ND	1	0.50	1		07/17/2020 01:47
Nickel	39		0.50	1		07/17/2020 01:47
Selenium	0.91		0.50	1		07/17/2020 01:47
Silver	ND		0.50	1		07/17/2020 01:47
Thallium	ND	:	0.50	1		07/17/2020 01:47
Vanadium	55	n	0.50	1		07/17/2020 01:47
Zinc	46		5.0	1		07/17/2020 01:47
Surrogates	REC (%)		<u>Limits</u>			
Terbium	105		70-130			07/17/2020 01:47
Analyst(s): JAG						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 Model/A shode of leaded

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Col	lected	Instrument	Batch ID
SB-5-5	CP-MS6 TRESMPL 6	2007558	3-012B Soil	07/10/2020	10:55	ICP-MS4 1353SMPL.d	201650
<u>Analytes</u>		Result	J5	zadliguO <u>RL</u>	<u>DF</u>		Date Analyzed
Antimony		ND		0.50	1 0/4		07/17/2020 01:50
Arsenic		5.6	0.50	0.50	1.4		07/17/2020 01:50
Barium		140	5.0	5.0	1/7		07/17/2020 01:50
Beryllium		ND	0.50	0.50	1 GM		07/17/2020 01:50
Cadmium		ND	03.0	0.50	1.1		07/17/2020 01:50
Chromium		37	0.50	0.50	192		07/17/2020 01:50
Cobalt		8.6	00.0	0.50	1.7		07/17/2020 01:50
Copper		32	日野	0.50	€ 1 ±6		07/17/2020 01:50
Lead		36	03.0	0.50	1.5		07/17/2020 01:50
Mercury		ND	080 0	0.050	8010		07/17/2020 01:50
Molybdenum		ND	08 U	0.50	1 00		07/17/2020 01:50
Nickel		38	n so	0.50	107		07/17/2020 01:50
Selenium		0.92	08.0	0.50	1 018		07/17/2020 01:50
Silver		ND	0₹ J	0.50	1 94		07/17/2020 01:50
Thallium		ND	Call	0.50	1 @k		07/17/2020 01:50
Vanadium		53	oa n	0.50	1.4		07/17/2020 01:50
Zinc		56	0.8	5.0	11		07/17/2020 01:50
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium		103		70-130			07/17/2020 01:50
Analyst(s): JAG							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-6-2	2007558-013A	Soil	07/10/2020 1	1:45	ICP-MS5 176SMPL.d	201650
<u>Analytes</u>	Result	Qualifiers	<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony	ND		0.50	1		07/14/2020 13:45
Arsenic	4.5		0.50	1		07/14/2020 13:45
Barium	74		5.0	1		07/14/2020 13:45
Beryllium	ND	ž.	0.50	1		07/14/2020 13:45
Cadmium	1.0	В	0.50	1		07/14/2020 13:45
Chromium	29		0.50	1		07/14/2020 13:45
Cobalt	7.0		0.50	1		07/14/2020 13:45
Copper	540		5.0	10		07/21/2020 13:53
Lead	3.7		0.50	1		07/14/2020 13:45
Mercury	0.098		0.050	1		07/14/2020 13:45
Molybdenum	ND	5	0.50	1		07/14/2020 13:45
Nickel	19		0.50	1		07/14/2020 13:45
Selenium	ND		0.50	1		07/14/2020 13:45
Silver	ND		0.50	1		07/14/2020 13:45
Thallium	ND		0.50	1		07/14/2020 13:45
Vanadium	49		0.50	1		07/14/2020 13:45
Zinc	75		5.0	1		07/14/2020 13:45
<u>Surrogates</u>	REC (%)		<u>Limits</u>			
Terbium	100		70-130			07/14/2020 13:45
Analyst(s): MIG, WV						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 Date Vision about the Laboratory

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020 6050 1000 description of

Unit:

nadamalmg/Kg

Client ID		Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
SB-6-5	CP-MS6 178SMPLd	2007558	-014A Soil	07/10/2020	11:45	ICP-MS5 177SMPL.d	201650
Analytes Analytes		Result	Qualifiers	RL.	<u>DF</u> a/l		Date Analyzed
Antimony		ND		0.50	1		07/14/2020 13:49
Arsenic		4.2	0.50	0.50	191		07/14/2020 13:49
Barium 202141110		110	6.0	5.0	130		07/14/2020 13:49
Beryllium		ND	03.0	0.50	1.024		07/14/2020 13:49
Cadmium		0.85	98 0 B	0.50	1.00		07/14/2020 13:49
Chromium		35	98.0	0.50	100		07/14/2020 13:49
Cobalt COSA VI		9.2	03.0	0.50	1.8		07/14/2020 13:49
Copper		56	0.50	0.50	1		07/14/2020 13:49
Lead ((SUS)ANTO		4.4	02.0	0.50	1.5		07/14/2020 13:49
Mercury		ND	0.030	0.050	11.0		07/14/2020 13:49
Molybdenum		ND	07.0	0.50	P1.0		07/14/2020 13:49
Nickel		42	08.0	0.50	271		07/14/2020 13:49
Selenium		ND	Qa.d	0.50	11.0		07/14/2020 13:49
Silver USUS MANU		ND	0.5 0	0.50	1 014		07/14/2020 13:49
Thallium Canal To		ND	0.80	0.50	1 014		07/14/2020 13:49
Vanadium		56	ut n	0.50	10		07/14/2020 13:49
07/14/2020 1 201Z		92	6:0	5.0	1)-8		07/14/2020 13:49
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium (SA)		107	70-130	70-130			07/14/2020 13:49
Analyst(s): WV							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-7-1	2007558-015B	Soil	07/10/2020 1	1:20	ICP-MS5 178SMPL.d	201650
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony	1.2		0.50	1		07/14/2020 13:53
Arsenic	16	Ü	0.50	1		07/14/2020 13:53
Barium	130		5.0	1		07/14/2020 13:53
Beryllium	ND		0.50	1		07/14/2020 13:53
Cadmium	ND		0.50	1		07/14/2020 13:53
Chromium	33		0.50	1	,	07/14/2020 13:53
Cobalt	8.1		0.50	1		07/14/2020 13:53
Copper	41	V	0.50	1		07/14/2020 13:53
Lead	28		0.50	1		07/14/2020 13:53
Mercury	0.11		0.050	1		07/14/2020 13:53
Molybdenum	0.94		0.50	1		07/14/2020 13:53
Nickel	27		0.50	1		07/14/2020 13:53
Selenium	0.54		0.50	1		07/14/2020 13:53
Silver	ND	ž.	0.50	1		07/14/2020 13:53
Thallium	ND		0.50	1		07/14/2020 13:53
Vanadium	66		0.50	1		07/14/2020 13:53
Zinc	64		5.0	1		07/14/2020 13:53
<u>Surrogates</u>	REC (%)		<u>Limits</u>			
Terbium	100		70-130			07/14/2020 13:53
Analyst(s): WV						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Project:

Date Prepared: 07/13/2020 10.00 all about the boat of

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B (1500) the discussional shall

Analytical Method: SW6020

Unit:

mg/Kg

Client ID SB-7-5	Instrument	Lab ID Matrix 2007558-017B Soil		Date Collected 07/10/2020 11:20		Instrument ICP-MS5 179SMPL.d	Batch ID 201650
Antimony			ND		0.50	1 🕪	
Arsenic		3.9	0.50	0.50	1.0		07/14/2020 13:56
Barium South		99	5.0	5.0	(1)		07/14/2020 13:56
Beryllium		ND	0.50	0.50	1 QM		07/14/2020 13:56
Cadmium		ND	06.0	0.50	1 CM		07/14/2020 13:56
Chromium		29	06.0	0.50	1		07/14/2020 13:56
Cobalt		7.5	08.0	0.50	1.0		07/14/2020 13:56
Copper		13	08.0	0.50	111		07/14/2020 13:56
Lead 64/94/14/00		3.6	0.60	0.50	1		07/14/2020 13:56
Mercury		0.14	0.350	0.050	1 974		07/14/2020 13:56
Molybdenum		ND	09.0	0.50	1 07		07/14/2020 13:56
Nickel		33	02.0	0.50	1		07/14/2020 13:56
Selenium		ND	03/0	0.50	11.0		07/14/2020 13:56
Silver		ND	04.0	0.50	1 (1)		07/14/2020 13:56
Thallium		ND	05.0	0.50	1 (1)4		07/14/2020 13:56
Vanadium		51	0.8.0	0.50	1		07/14/2020 13:56
Zinc (150%) (140)		36	0.6	5.0	1/3		07/14/2020 13:56
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Terbium		99		70-130		*	07/14/2020 13:56
Analyst(s): WV							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-2-2A	2007558-019A	Soil	07/10/2020 08:45		ICP-MS4 1354SMPL.d	201650
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
Antimony	ND		0.50	1		07/17/2020 01:54
Arsenic	4.6		0.50	1		07/17/2020 01:54
Barium	140		5.0	1		07/17/2020 01:54
Beryllium	ND		0.50	1		07/17/2020 01:54
Cadmium	ND		0.50	1		07/17/2020 01:54
Chromium	42		0.50	1		07/17/2020 01:54
Cobalt	9.9		0.50	1		07/17/2020 01:54
Copper	18		0.50	1		07/17/2020 01:54
Lead	4.7		0.50	1		07/17/2020 01:54
Mercury	ND		0.050	1		07/17/2020 01:54
Molybdenum	ND		0.50	1		07/17/2020 01:54
Nickel	43		0.50	1		07/17/2020 01:54
Selenium	0.81		0.50	1		07/17/2020 01:54
Silver	ND		0.50	1		07/17/2020 01:54
Thallium	ND	to .	0.50	1		07/17/2020 01:54
Vanadium	59		0.50	1		07/17/2020 01:54
Zinc	51		5.0	1		07/17/2020 01:54
<u>Surrogates</u>	REC (%)		<u>Limits</u>			
Terbium	106		70-130			07/17/2020 01:54
Analyst(s): JAG						

Analytical Report

Client:

Project:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 SDRW8 Shortest health and

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035 1500 0 100 abacismost studies

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-1-2	GC7 07142028.D	2007558	-001A Soil	07/10/2020	09:20	GC7 07142010.D	201655 Date Analyzed
Analytes Sud State		Result	.19	RL	<u>DF</u>		
TPH(g) (C6-C12)		ND		1.0	1 0/1		07/14/2020 15:13
MTBE MOSTATIVO		ND	0.050	0.050	1 00		07/14/2020 15:13
Benzene		ND	07/00/0	0.0050	1 94		07/14/2020 15:13
Toluene		ND	03000	0.0050	1 90		07/14/2020 15:13
Ethylbenzene		ND	0.0050	0.0050	1 0/4		07/14/2020 15:13
m,p-Xylene		ND	0.010	0.010	1 GM		07/14/2020 15:13
o-Xylene		ND	0.005G	0.0050	1 QM		07/14/2020 15:13
Xylenes		ND	0.0050	0.0050	1 ON		07/14/2020 15:13
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
2-Fluorotoluene		93		62-126			07/14/2020 15:13
Analyst(s): IA							

Client ID		Lab ID Matrix		Date Coll	ected	Instrument	Batch ID
SB-1-5 Analytes	OCT 07442030.D	2007558-002A Soil		07/10/2020	09:25	GC7 07142028.D	201655
		Result	124	RL	<u>DE</u> =S		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1 01/1		07/15/2020 00:19
MTBE		ND	170.0	0.050	1 014		07/15/2020 00:19
Benzene		ND	0.605.0	0.0050	1 0/4		07/15/2020 00:19
Toluene		ND	0.0650	0.0050	1 QM		07/15/2020 00:19
Ethylbenzene		ND	03000	0.0050	1 034		07/15/2020 00:19
m,p-Xylene		ND	010.0	0.010	1 04		07/15/2020 00:19
o-Xylene		ND	0800 0	0.0050	1 0 4		07/15/2020 00:19
Xylenes		ND	9809 0	0.0050	1 04		07/15/2020 00:19
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
2-Fluorotoluene		96		62-126			07/15/2020 00:19
Analyst(s): IA							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Project:

Date Prepared: 07/13/2020

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID	1 "	Lab ID Matrix Da		Date C	ollected	Instrument	Batch ID
SB-2-2	§ ⁶ 1 g	2007558-004A Soil		07/10/20	20 08:45	GC7 07142029.D	201655
Analytes		Result		<u>RL</u>	DF		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1		07/15/2020 00:49
MTBE		ND		0.050	1		07/15/2020 00:49
Benzene		ND		0.005	0 1		07/15/2020 00:49
Toluene		ND		0.005	0 1		07/15/2020 00:49
Ethylbenzene		ND		0.005	0 1		07/15/2020 00:49
m,p-Xylene		ND		0.010	1		07/15/2020 00:49
o-Xylene		ND		0.005	0 1	. "	07/15/2020 00:49
Xylenes		ND		0.005	0 1		07/15/2020 00:49
Surrogates		REC (%)		<u>Limits</u>			
2-Fluorotoluene		90		62-12	26		07/15/2020 00:49
Analyst(s): IA							

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-2-5	2007558-005A	Soil	07/10/2020	08:47	GC7 07142030.D	201655
<u>Analytes</u>	Result		RL	DF		Date Analyzed
TPH(g) (C6-C12)	ND		1.0	1		07/15/2020 01:19
MTBE	ND		0.050	1		07/15/2020 01:19
Benzene	ND		0.0050	1		07/15/2020 01:19
Toluene	ND -		0.0050	1		07/15/2020 01:19
Ethylbenzene	ND		0.0050	1		07/15/2020 01:19
m,p-Xylene	ND		0.010	1		07/15/2020 01:19
o-Xylene	ND		0.0050	1		07/15/2020 01:19
Xylenes	ND		0.0050	1		07/15/2020 01:19
Surrogates	REC (%)		<u>Limits</u>			
2-Fluorotoluene	87		62-126			07/15/2020 01:19
Analyst(s): IA						- 11

Analytical Report

Client:

Project:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 / 8 shaddal M. martasetta 3

Date Prepared: 07/13/2020 | 208V/2 : bodyst/ fastiglishA

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

radma mg/Kg A 10-010-01

Client ID	Instrument	Lab ID	Matrix	Date Coll	ected	Instrument	Batch ID
SB-3-2	GC7 G7142036.D	2007558-006A Soil		07/10/2020	11:55	GC7 07142031.D	201655
Analytes and shall		Result	19	RL	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)		ND T		1.0	1 GW		07/15/2020 01:49
07/15/2020 BBTM		ND	0.050	0.050	1 014		07/15/2020 01:49
Benzene		ND	0.0050	0.0050	1 ØИ		07/15/2020 01:49
Toluene		ND	0.0050	0.0050	1 QM		07/15/2020 01:49
Ethylbenzene		ND	0.0050	0.0050	1 0//		07/15/2020 01:49
m,p-Xylene		ND	010.0	0.010	1 34		07/15/2020 01:49
o-Xylene		ND	0.0050	0.0050	1 GM		07/15/2020 01:49
Xylenes		ND	0.0050	0.0050	1 0/4		07/15/2020 01:49
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
2-Fluorotoluene		96		62-126			07/15/2020 01:49
Analyst(s): IA							

Client ID				Date Coll	ected	Instrument GC7 07142035.D	Batch ID 201655
SB-3-5	0.72028770 7.00			07/10/2020	11:55 😘		
<u>Analytes</u>		Result	.12	RL	<u>DF</u> = 9		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1 944		07/15/2020 03:48
MTBE (2005) 170		ND	0,050	0.050	1 GM		07/15/2020 03:48
Benzene		ND	0e00 0	0.0050	1 01/4		07/15/2020 03:48
Toluene		ND	0300.0	0.0050	1 0/4		07/15/2020 03:48
Ethylbenzene		ND	0860,0	0.0050	1 074		07/15/2020 03:48
m,p-Xylene		ND	0.010	0.010	1 3/4		07/15/2020 03:48
o-Xylene		ND	0.0050	0.0050	1 GW		07/15/2020 03:48
Xylenes		ND 1	0760 C .	0.0050	1 014		07/15/2020 03:48
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
2-Fluorotoluene		93		62-126			07/15/2020 03:48
Analyst(s): IA							

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID		Lab ID Mat		Matrix Date Collected		Instrument	Batch ID	
SB-4-1	A"	2007558-008A	Soil	07/1	0/2020	11:51	GC7 07142036.D	201655
Analytes		Result		RI	-	<u>DF</u>	e e	Date Analyzed
TPH(g) (C6-C12)		ND		1.0)	1		07/15/2020 04:17
MTBE		ND		0.0	050	1		07/15/2020 04:17
Benzene		ND		0.0	0050	1		07/15/2020 04:17
Toluene		ND		0.0	0050	1		07/15/2020 04:17
Ethylbenzene		ND	1	0.0	0050	1		07/15/2020 04:17
m,p-Xylene		ND		0.0	010	1		07/15/2020 04:17
o-Xylene		ND		0.0	0050	1		07/15/2020 04:17
Xylenes		ND		0.0	0050	1		07/15/2020 04:17
<u>Surrogates</u>		REC (%)		<u>Lir</u>	<u>nits</u>			
2-Fluorotoluene		97		6	2-126			07/15/2020 04:17
Analyst(s): IA								

Client ID	g -	Lab ID Matrix		Date Colle	cted	Instrument	Batch ID
SB-4-5	U GO V	2007558-010A Soil		07/10/2020 1	11:51	GC7 07142037.D	201655
<u>Analytes</u>		Result		<u>RL</u>	DF		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1		07/15/2020 04:47
MTBE		ND		0.050	1		07/15/2020 04:47
Benzene		ND		0.0050	1		07/15/2020 04:47
Toluene		ND	0	0.0050	1		07/15/2020 04:47
Ethylbenzene		ND		0.0050	1		07/15/2020 04:47
m,p-Xylene		ND		0.010	1		07/15/2020 04:47
o-Xylene		ND		0.0050	1		07/15/2020 04:47
Xylenes		ND		0.0050	1		07/15/2020 04:47
Surrogates		REC (%)		<u>Limits</u>	<i></i>		9
2-Fluorotoluene		101		62-126			07/15/2020 04:47
Analyst(s): IA							

Analytical Report

Client:

Project:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 Called All about the highest

19-042-01; Antioch Lumber

WorkOrder:

2007558 and Institute

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

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

Client ID		Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
SB-5-2	GATERINE BYOS	2007558-011B Soil		07/10/2020	10:55	GC7 07142041.D	201655
Analytes		Result	18	RL	DF 99		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1 0//		07/15/2020 06:47
MTBE 0003M-030		ND	0.050	0.050	1 014		07/15/2020 06:47
Benzene		ND	0.000	0.0050	1 QV		07/15/2020 06:47
Toluene		ND	0200.0	0.0050	1 014		07/15/2020 06:47
Ethylbenzene		ND	0.000.0	0.0050	1 94		07/15/2020 06:47
m,p-Xylene		ND	010-0	0.010	1 014		07/15/2020 06:47
o-Xylene		ND	0.700.0	0.0050	1 04		07/15/2020 06:47
Xylenes		ND	0.0050	0.0050	1 011		07/15/2020 06:47
Surrogates		REC (%)		<u>Limits</u>			
2-Fluorotoluene		115		62-126			07/15/2020 06:47
Analyst(s): IA							

Client ID	momunent Lab II		Matrix	Date Coll	ected	Instrument GC7 07152022.D	Batch ID 201655
SB-5-5	definanti feb	2007558-012B Soil		07/10/2020	10:55		
Analytes Manager 1		Result	EL	<u>RL</u>	DF 98		Date Analyzed
TPH(g) (C6-C12)		ND 1		1.0	1 04		07/16/2020 01:10
MTBE SUSPERIOR		ND	088.0	0.050	1 (10)		07/16/2020 01:10
Benzene		ND	G100 0	0.0050	1 1/4		07/16/2020 01:10
Toluene		ND	0.0000	0.0050	1 (14)		07/16/2020 01:10
Ethylbenzene		ND	03000	0.0050	1 GM		07/16/2020 01:10
m,p-Xylene		ND	aro.o	0.010	1 01		07/16/2020 01:10
o-Xylene		ND	0.400.0	0.0050	1 UM		07/16/2020 01:10
Xylenes		ND	08487	0.0050	1 014		07/16/2020 01:10
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
2-Fluorotoluene		95		62-126			07/16/2020 01:10
Analyst(s): IA							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID		4.5	Lab ID	Matrix	Date Col	lected	Instrument	Batch ID
SB-6-2	9 8		2007558-013A	Soil	07/10/2020	11:45	GC19 07142014.D	201675
<u>Analytes</u>			Result		<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)			ND		1.0	1		07/14/2020 15:19
MTBE			ND		0.050	1		07/14/2020 15:19
Benzene			ND		0.0050	1		07/14/2020 15:19
Toluene			ND		0.0050	1		07/14/2020 15:19
Ethylbenzene			ND		0.0050	1 /		07/14/2020 15:19
m,p-Xylene			ND		0.010	1		07/14/2020 15:19
o-Xylene			ND		0.0050	1		07/14/2020 15:19
Xylenes			ND		0.0050	1		07/14/2020 15:19
Surrogates			REC (%)		<u>Limits</u>			
2-Fluorotoluene			90		62-126			07/14/2020 15:19
Analyst(s): IA								

Client ID	Lab ID	Matrix	Date Colle	cted	Instrument	Batch ID
SB-6-5	2007558-014A	2007558-014A Soil		1:45	GC7 07152023.D	201675
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		1.0	1		07/16/2020 01:40
MTBE	ND		0.050	1		07/16/2020 01:40
Benzene	ND		0.0050	1		07/16/2020 01:40
Toluene	ND		0.0050	1		07/16/2020 01:40
Ethylbenzene	ND		0.0050	1		07/16/2020 01:40
m,p-Xylene	ND		0.010	1		07/16/2020 01:40
o-Xylene	ND		0.0050	1		07/16/2020 01:40
Xylenes	ND		0.0050	1		07/16/2020 01:40
Surrogates	REC (%)		<u>Limits</u>			
2-Fluorotoluene	93		62-126			07/16/2020 01:40
Analyst(s): IA						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 08.772 shortly M basiled

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID	Client ID tasawetens		Matrix	Date Coll	ected	Instrument	Batch ID
SB-7-1 Analytes	OCT BYIESDALD	2007558-015B Soil		07/10/2020 11:20		GC19 07142015.D	201675
		Result	.15	RL	DF		Date Analyzed
TPH(g) (C6-C12)		ND		1.0	1 0/1		07/14/2020 15:51
MTBE 305187150		ND	0.050	0.050	1 QM		07/14/2020 15:51
Benzene	-	ND	0.0050	0.0050	1 01/4		07/14/2020 15:51
Toluene		ND	0.0000	0.0050	1 1		07/14/2020 15:51
Ethylbenzene		ND	0300.0	0.0050	1 0/1		07/14/2020 15:51
m,p-Xylene		ND i	0.00	0.010	1 09		07/14/2020 15:51
o-Xylene		ND	0.000	0.0050	1 TV		07/14/2020 15:51
Xylenes		ND	.0309.0	0.0050	1 0/4		07/14/2020 15:51
Surrogates		REC (%)	etim l	<u>Limits</u>			
2-Fluorotoluene		90		62-126			07/14/2020 15:51
Analyst(s): IA							

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-7-5	2007558-017B	Soil	07/10/2020	11:20	GC19 07142016.D	201675
Analytes	Result		<u>RL</u>	DF		Date Analyzed
TPH(g) (C6-C12)	ND		1.0	1		07/14/2020 16:22
MTBE	ND		0.050	1		07/14/2020 16:22
Benzene	ND		0.0050	1		07/14/2020 16:22
Toluene	ND		0.0050	1		07/14/2020 16:22
Ethylbenzene	ND		0.0050	1		07/14/2020 16:22
m,p-Xylene	ND		0.010	1	10.00 = 0	07/14/2020 16:22
o-Xylene	ND		0.0050	1		07/14/2020 16:22
Xylenes	ND		0.0050	1		07/14/2020 16:22
Surrogates	REC (%)		<u>Limits</u>			
2-Fluorotoluene	81		62-126			07/14/2020 16:22
Analyst(s): IA						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-2-2A	2007558-019A	2007558-019A Soil		08:45	GC7 07152024.D	201675
Analytes	Result		RL	<u>DF</u>		Date Analyzed
TPH(g) (C6-C12)	ND		1.0	1		07/16/2020 02:10
MTBE	ND		0.050	1		07/16/2020 02:10
Benzene	ND		0.0050	1		07/16/2020 02:10
Toluene	ND		0.0050	1		07/16/2020 02:10
Ethylbenzene	ND		0.0050	1		07/16/2020 02:10
m,p-Xylene	ND		0.010	1		07/16/2020 02:10
o-Xylene	ND	10	0.0050	1		07/16/2020 02:10
Xylenes	ND		0.0050	1		07/16/2020 02:10
Surrogates	REC (%)		<u>Limits</u>			
2-Fluorotoluene	95		62-126			07/16/2020 02:10
Analyst(s): IA						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/16/2020 [2087/2] should be be be before the

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Bm

Unit:

modern ($\mu g/L$)mA :10-5,60-61

Client ID	Instructions	Lab ID	Matrix	Date Col	llected	Instrument	Batch ID
HP1 Analytes	GETE GYIS2013.D	0.61028110 \$100 2007558-		07/10/2020 13:50		GC12 07162011.D	201857
		Result	18	<u>RL</u>	<u>DF</u> ⊕∃		Date Analyzed
TPH(g) (C6-C12)		ND		50	1 04		07/16/2020 18:09
07/15/2020 38TM		ND	1.0	1.0	1 🖽		07/16/2020 18:09
Benzene		ND	0.50	0.50	1 0 14		07/16/2020 18:09
Toluene		ND	0.50	0.50	1 014		07/16/2020 18:09
Ethylbenzene		ND	0.8.0	0.50	1 0/4		07/16/2020 18:09
m,p-Xylene		ND	141	1.0	1 GM		07/16/2020 18:09
o-Xylene		ND	03.0	0.50	1 014		07/16/2020 18:09
Xylenes		ND 1	0.50	0.50	1 00		07/16/2020 18:09
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
aaa-TFT		100		76-115			07/16/2020 18:09
Analyst(s): IA							

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
НР7	2007558-018A	Water	07/10/2020	14:30	GC12 07162012.D	201857
Analytes	Result		<u>RL</u>	DF		Date Analyzed
TPH(g) (C6-C12)	ND		50	1		07/16/2020 18:44
MTBE	ND		1.0	1		07/16/2020 18:44
Benzene	ND		0.50	1		07/16/2020 18:44
Toluene	ND		0.50	1		07/16/2020 18:44
Ethylbenzene	ND		0.50	1		07/16/2020 18:44
m,p-Xylene	ND		1.0	1		07/16/2020 18:44
o-Xylene	ND		0.50	1		07/16/2020 18:44
Xylenes	ND		0.50	1		07/16/2020 18:44
Surrogates	REC (%)		<u>Limits</u>			
aaa-TFT	100		76-115			07/16/2020 18:44
Analyst(s): IA						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/16/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Bm

Unit:

 $\mu \text{g/L}$

Client ID	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
HP1a	2007558-020A	Water	07/10/2020	13:50	GC12 07162013.D	201857
<u>Analytes</u>	Result		<u>RL</u>	DF		Date Analyzed
TPH(g) (C6-C12)	ND		50	1		07/16/2020 19:18
MTBE	ND		1.0	1		07/16/2020 19:18
Benzene	ND	IV.	0.50	1		07/16/2020 19:18
Toluene	ND		0.50	1		07/16/2020 19:18
Ethylbenzene	ND		0.50	1		07/16/2020 19:18
m,p-Xylene	ND		1.0	1		07/16/2020 19:18
o-Xylene	ND		0.50	1		07/16/2020 19:18
Xylenes	ND	Al	0.50	1		07/16/2020 19:18
Surrogates	REC (%)		<u>Limits</u>			
aaa-TFT	100		76-115			07/16/2020 19:18
Analyst(s): IA						

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 11/83//2 shodow hashedan a

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8015B 00 1, 0000 also ages 9 stard

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Co	llected	Instrument	Batch ID
SB-1-2	GC31E 07142031.	2007558	-001A Soil	07/10/202	0 09:20	GC31B 07152033.D	201651
Analytes an A station		Result	19.	<u>RL</u>	DF 97		Date Analyzed
TPH-Diesel (C10-C23)		13		5.0	5 04		07/15/2020 21:48
TPH-Motor Oil (C18-C3	6)	870	6.8	25	5 QИ	(385)	07/15/2020 21:48
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
02714/2020 19:00		86		70-130	78		07/15/2020 21:48
Analyst(s): JIS	(<u>s):</u> JIS		Analytical Co	Analytical Comments: e2,e		RiL (8)/ev/an	
Client ID	termeritant	Lab ID	Matrix	Date Col	llected	Instrument	Batch ID
SB-1-5 S	corre orteres	2007558	-002A Soil	07/10/2020 09:25		GC31B 07142045.D	201651
Analytes Analytes		Result	JB	RL	DF		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1.3		07/14/2020 23:59
TPH-Motor Oil (C18-C3	6)	ND	0.8	5.0	196	-036)	07/14/2020 23:59
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C9 02 020204W0		93		70-130	43		07/14/2020 23:59
Analyst(s): JIS	7.	monts, e2.e	Analylical Cou				ancivet(s). JIS
Client ID	hemunical	Lab ID	Matrix	Date Col	llected	Instrument	Batch ID
SB-2-2	GC/NB 07143938	2007558	-004A Soil	07/10/202	0 08:45	GC31B 07142049.D	201651
Analytes MARING		Result	355	<u>RL</u>	DF		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1 034		07/15/2020 01:17
TPH-Motor Oil (C18-C3	6)	ND	') z ²	5.0	1 (0/)	(DEO-	07/15/2020 01:17
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C9 02 0202/A1170		92		70-130			07/15/2020 01:17
Analyst(s): JIS							

Analytical Report

Client:

Trident Env. & Eng., Inc.

19-042-01; Antioch Lumber

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8015B

Unit:

mg/Kg

Total Extractable Petroleum Hyd	Procarbone Wout SC Claan IIn

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID	
SB-2-5	2007558-005A	Soil	07/10/2020	08:47	GC31B 07142031.D	201651	
Analytes	Result		RL	<u>DF</u>		Date Analyzed	
TPH-Diesel (C10-C23)	ND		1.0	1		07/14/2020 19:20	
TPH-Motor Oil (C18-C36)	ND		5.0	1		07/14/2020 19:20	
Surrogates	REC (%)		<u>Limits</u>				
C9	87		70-130			07/14/2020 19:20	
Analyst(s): UC							

Analyst(s):

Client ID Lab ID Matrix **Date Collected** Instrument **Batch ID** SB-3-2 2007558-006A 07/10/2020 11:55 GC11B 07152033.D Soil 201651

<u>DF</u> **Analytes** Result RL **Date Analyzed** TPH-Diesel (C10-C23) 1.0 1 07/15/2020 20:57 TPH-Motor Oil (C18-C36) 36 5.0 1 07/15/2020 20:57

REC (%) Surrogates <u>Limits</u> C9

70-130 07/15/2020 20:57

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

Client ID Lab ID Matrix **Date Collected** Instrument **Batch ID** SB-3-5 GC31B 07142033.D 2007558-007A Soil 07/10/2020 11:55 201651 Result **Analytes** <u>RL</u> DF Date Analyzed TPH-Diesel (C10-C23) ND 07/14/2020 20:01 1.0 1 TPH-Motor Oil (C18-C36) ND 5.0 1 07/14/2020 20:01 **REC (%)** Surrogates **Limits** C9 88 70-130 07/14/2020 20:01 Analyst(s): JIS

Analytical Report

Client:

Trident Env. & Eng., Inc.

Project:

Date Prepared: 07/13/2020 | 10 W/A should be obtained

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8015B Ward TO short agent of the

Unit:

19/ mg/Kg/ 10-5/0-9

	Town Line		Petroleum Hy			The state of the s	
Client ID	Instrument	Lab ID	Matrix	Date Co	llected	Instrument	Batch ID
SB-4-1	GC9a 07142022.D	2007558	-008A Soil	07/10/202	0 11:51	GC9a 07142016.D	201651
Analytes SIA SISC		Result		RL	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)		5.2		1.0	1 914		07/14/2020 14:17
TPH-Motor Oil (C18-C	36)	29	6.0	5.0	1 OM	(909)	07/14/2020 14:17
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C8 31, 0202/74/4.40		85	70-180	70-130	28		07/14/2020 14:17
Analyst(s): JIS				Analytical Co	mments: e2,	e7	Sit. ;(allavion
Client ID	Instrument	Lab ID	llo 3 514 Matrix	xi de Date Co	llected	Instrument	Batch ID
SB-4-5	GC68 07142069.0	2007558	-010A Soil	07/10/2020 11:51		GC9a 07142018.D	201651
<u>Analytes</u>		Result	19	RL	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1.00		07/14/2020 14:55
TPH-Motor Oil (C18-C	36)	ND	5.0	5.0	1 GM	(330)	07/14/2020 14:55
<u>Surrogates</u>		REC (%)		<u>Limits</u>			astropulas
C9 57 020344 ((0		85	70-130	70-130	35		07/14/2020 14:55
Analyst(s): JIS							ett. "(http://www
Client ID	instructions	Lab ID	(lp() 308 Matrix	Date Col	llected	Instrument	Batch ID
SB-5-2	OCEN OF AZUSS,D	2007558	-011B Soil	07/10/202	0 10:55	GC9a 07142020.D	201651
Analytes Analytes		Result	18	<u>RL</u>	DE		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1 044		07/14/2020 15:34
TPH-Motor Oil (C18-C	36)	ND	UAI	5.0	1 GM	(85.0-	07/14/2020 15:34
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C9 11 (02/02)*[41/4		85		70-130			07/14/2020 15:34
Analyst(s): JIS							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8015B

Unit:

mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
SB-5-5	2007558-012B	Soil	07/10/2020	10:55	GC9a 07142022.D	201651
<u>Analytes</u>	Result		<u>RL</u>	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)	ND		1.0	1		07/14/2020 16:13
TPH-Motor Oil (C18-C36)	ND		5.0	1		07/14/2020 16:13
Surrogates	REC (%)		<u>Limits</u>			
C9	85		70-130			07/14/2020 16:13
Analyst(s): JIS						

Client ID		Lab ID	Matrix	* 0	Date Co	llected	Instrument	Batch ID
SB-6-2	a	2007558-013A	Soil	11	07/10/202	0 11:45	GC6B 07142009.D	201651
<u>Analytes</u>		Result			RL	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)		ND			1.0	1		07/14/2020 12:28
TPH-Motor Oil (C18-C36)		ND			5.0	1		07/14/2020 12:28
Surrogates		REC (%)			<u>Limits</u>			
C9		95			70-130)		07/14/2020 12:28
Analyst(s): JIS								

Client ID	Lab ID	Matrix	Date Col	lected	Instrument	Batch ID
SB-6-5	2007558-014A	Soil	07/10/2020	11:45	GC9a 07142026.D	201651
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)	ND		1.0	1		07/14/2020 17:32
TPH-Motor Oil (C18-C36)	ND		5.0	1.		07/14/2020 17:32
Surrogates	REC (%)		<u>Limits</u>			
C9	85		70-130			07/14/2020 17:32
Analyst(s): JIS						P.

Analytical Report

Client: Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 07/13/2020 The West State of the Medical Action of the Control of

D 1 10 010 01

Project: 19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3550B

Analytical Method: SW8015B [Market Market Sw8015B]

Unit:

mg/Kg

Client ID		Lab ID	Matrix	Date Co	llected	Instrument	Batch ID
SB-7-1 3	GCSD 07142009	2007558	-015B Soil	07/10/202	20 11:20	GC9b 07132065.D	201676
Analytes Analytes		Result	.18	<u>RL</u>	DF e7		Date Analyzed
TPH-Diesel (C10-C23)		ND S		1.0	1 90		07/14/2020 05:15
TPH-Motor Oil (C18-C36)		18	5050	5.0	00 /1 18	(88)	07/14/2020 05:15
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C9 21 0202/81/70		103		70-13	108 0		07/14/2020 05:15
Analyst(s): JIS	V.	neris, ab,e	A alviboal Comm	Analytical Co	omments: e7		Bil. <u>reltavisp</u>
Client ID	Instrument	Lab ID	Matrix	Zindo Date Co	llected	Instrument	Batch ID
SB-7-5	GCSA OYTHOUS	2007558	-017B Soil	07/10/202	20 11:20	GC9a 07142028.D	201676
Analytes Manager		Result	15	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1 000		07/14/2020 18:10
TPH-Motor Oil (C18-C36)		ND	250	5.0	1 Q//	(86.0	07/14/2020 18:10
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
Ca at acognition		86		70-130	0 83		07/14/2020 18:10
Analyst(s): JIS							oil <u>destayla</u> u
Client ID	liminurted	Lab ID	Matrix	Date Co	llected	Instrument	Batch ID
SB-2-2A	GCRK GYTERES	2007558	-019A Soil	07/10/202	20 08:45	GC9a 07142030.D	201676
<u>Analytes</u>		Result	123	<u>RL</u>	<u>DE</u> 58		Date Analyzed
TPH-Diesel (C10-C23)		ND		1.0	1 09		07/14/2020 18:49
TPH-Motor Oil (C18-C36)		ND	0.85	5.0	1 UV	(583)	07/14/2020 18:49
<u>Surrogates</u>		REC (%)		<u>Limits</u>			
C9 81 050274740		86		70-130	AS (07/14/2020 18:49
Analyst(s): JIS							

Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00 **Date Prepared:** 07/13/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3510C

Analytical Method: SW8015B

Unit:

μg/L

Client ID	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
HP1	2007558-003B	Water	07/10/2020	13:50	GC9b 07142009.D	201662
<u>Analytes</u>	Result		RL	DF		Date Analyzed
TPH-Diesel (C10-C23)	ND		1000	20		07/14/2020 12:20
TPH-Motor Oil (C18-C36)	31,000		5000	20	3	07/14/2020 12:20
Surrogates	REC (%)		<u>Limits</u>			
C9	108		70-130			07/14/2020 12:20
Analyst(s): JIS	v		Analytical Com	nments: a3	,e7	
Client ID	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
HP7	2007558-018B	Water	07/10/2020	14:30	GC6A 07142030.D	201662
<u>Analytes</u>	Result		RL	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)	ND		50	1		07/14/2020 19:17
TPH-Motor Oil (C18-C36)	ND		250	1		07/14/2020 19:17
Surrogates	REC (%)		<u>Limits</u>			
C9	86		70-130			07/14/2020 19:17
Analyst(s): JIS						
Client ID	Lab ID	Matrix	Date Coll	lected	Instrument	Batch ID
HP1a	2007558-020B	Water	07/10/2020	13:50	GC6A 07142032.D	201662
<u>Analytes</u>	Result		RL	DE		Date Analyzed
TPH-Diesel (C10-C23)	ND		50	1		07/14/2020 19:57
TPH-Motor Oil (C18-C36)	ND		250	1		07/14/2020 19:57
<u>Surrogates</u>	REC (%)		<u>Limits</u>			

Analyst(s): JIS

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC18, GC28 Called Shadfold Insitylan A

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653 0206 2120 2699 9319 9360

Extraction Method: SW5030B

Analytical Method: SW8260B

mg/kg

Unit:

Sample ID: MB/LCS/LCSD-201653

Analyte		MB Result		MDL	RESULT	SPK Val	MB SS %REC	MB SS A Limits
Acetone		ND O	0.00160	0.0390	0.100	-	propens -	molrfaid-S. F-ei
tert-Amyl methyl	ether (TAME)	OND	0.00140	0.00100	0.00500	-	- srisquigon	rans-1,3-Dichle
Benzene		ND	0.00140	0.00160	0.00500	-	- (EHICI) A	orbe hygorgosili
Bromobenzene		ND	0.00250	0.00300	0.00500		-	Phylocatene
Bromochloromet	thane	ND	0.000130	0.00150	0.00500	-	ether (ETBE)-	try/ tert Ł utyi
Bromodichlorom	ethane	ND O	0,00160	0.00120	0.00500	-	-	reon 11.2
Bromoform		0.00120,	J 00300.0	0.00120	0.00500		- arreib	texachiquobuta
Bromomethane		ND	0.00250	0.00200	0.00500	l. = 0	- 90	lean phipeoalha
2-Butanone (ME	K)	ND.	0,96220	0.0210	0.0500		-	Ar-charoH-
t-Butyl alcohol (T	ГВА)	ND	0.00320	0.00530	0.0500	1.40	- 6r	sznadlygorgo:
n-Butyl benzene		ND	0.00000	0.00350	0.00500		- 8/10	Hsepropyl tolu
sec-Butyl benzer	ne	ND	0.00130	0.00340	0.00500		Liner (MTBE) -	e lytud-blyd.alu
tert-Butyl benzer		ND	0.0100	0.00290	0.00500	0-8	 styl 	dethylane chlor
Carbon Disulfide		ND	008000-0	0.00360	0.00500	5. -0	(2fgEt) enghis	-Methyi-2-pent
Carbon Tetrachle	oride	ND	01460.0	0.00170	0.00500	1.	-	on els tidask
Chlorobenzene		ND	0.00200	0.00180	0.00500		- 80	eson a lycomin
Chloroethane		ND	000000	0.00160	0.00500	ē .— 6	-	- eneryt
Chloroform		ND	00+00,0	0.00160	0.00500		laracilhana -	T.1, L.Telunce
Chloromethane		ND	0.00730	0.00170	0.00500	2.00	i priselnene	1 2.2- Felrach
2-Chlorotoluene		ND	0.00200	0.00220	0.00500	: - 0	- 979	ar lacaphbaila
4-Chlorotoluene		ND	0 40240	0.00240	0.00500		-	 entento
Dibromochlorom	ethane	ND	0069010	0.00110	0.00500	1=0	 Option 	a 35 Trickhiri ot
1,2-Dibromo-3-cl	hloropropane	ND	0,00290	0.00370	0.00500	2-0	- 2 19 G 149	(,2 4-Tirlebiland
1,2-Dibromoetha	ine (EDB)	ND	08/60 //	0.00130	0.00400	-	 ensité 	, i. i. i - Triskilores
Dibromomethane	e	ND	opton a	0.00140	0.00500	-	 sned): 	. 1.2 Trid i rlorae
1,2-Dichlorobenz	zene	ND	OT LUM, 9	0.00320	0.00500	5 = 0	-	enstitacrolifon
1,3-Dichlorobenz	zene	ND	0.04000	0.00180	0.00500		 ugs tion 	ne rcul a el L agran
1,4-Dichlorobenz	zene	ND	0.00190	0.00180	0.00500	-	- enegen	e ola Trustiloro
Dichlorodifluoron	nethane	ND	0.00260	0.00110	0.00500	-	- far a Liter	bergarmilely S.)
1,1-Dichloroetha	ne	ND	0.00200	0.00170	0.00500	-	- eregred	1,5-Furziellist
1,2-Dichloroetha	ne (1,2-DCA)	ND	09100 0	0.00140	0.00400	-	-	Anyl Chletide
1,1-Dichloroethe	ne	ND	0.04-00,0	0.00170	0.00500	-	-	eiuelij Krijin
cis-1,2-Dichloroe	ethene	ND	08100.0	0.00150	0.00500	-	-	- Kylenë
trans-1,2-Dichlor	oethene	ND		0.00160	0.00500	-	-	-
1,2-Dichloroprop	ane	ND		0.00140	0.00500	-	-	•.
1,3-Dichloroprop		ND		0.00160	0.00500	-	-	-
2,2-Dichloroprop		ND		0.00130	0.00500	-	-	-
1,1-Dichloroprop		ND		0.00180	0.00500	1=	-	-

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC18, GC28

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Sample ID:

MB/LCS/LCSD-201653

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.00150	0.00500	-	91	-
trans-1,3-Dichloropropene	ND	0.00140	0.00500	-	p ==	- ,
Diisopropyl ether (DIPE)	ND	0.00140	0.00500	-	-	-
Ethylbenzene	ND	0.00250	0.00500	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.00130	0.00500	-	-	-
Freon 113	ND	0.00160	0.00500	-	- B B	. y - ,
Hexachlorobutadiene	ND	0.00500	0.00500	-	-	r -
Hexachloroethane	ND	0.00250	0.00500	-	-	- /
2-Hexanone	ND	0.00220	0.00500	-	-	ų - ,
sopropylbenzene	ND	0.00320	0.00500	-	-	
4-Isopropyl toluene	ND	0.00320	0.00500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.00130	0.00500	-	-	, - x
Methylene chloride	ND	0.0100	0.0200		-	,
4-Methyl-2-pentanone (MIBK)	ND	0.000800	0.00500	-	-	ñ/ -
Naphthalene	ND	0.00440	0.00500	-	-	
n-Propyl benzene	ND	0.00290	0.00500	-	-	- 9
Styrene	ND	0.00300	0.00500	-	-	1.5
1,1,1,2-Tetrachloroethane	ND	0.00160	0.00500	-	-	F 5
1,1,2,2-Tetrachloroethane	ND	0.00130	0.00500	-	-	- v. u
Tetrachloroethene	ND	0.00230	0.00500	-	-	-
Toluene	ND	0.00240	0.00500	-	-	-
1,2,3-Trichlorobenzene	ND	0.00300	0.00500	-		
1,2,4-Trichlorobenzene	ND	0.00290	0.00500	-	- 0	-
1,1,1-Trichloroethane	ND	0.00180	0.00500	-	- v g v	- 1.
1,1,2-Trichloroethane	ND .	0.00190	0.00500	-	-	-
Trichloroethene	ND	0.00170	0.00500	-	- *	- ,
Trichlorofluoromethane	ND	0.00160	0.00500	-	-	-
1,2,3-Trichloropropane	ND	0.00190	0.00500	-	-	. =
1,2,4-Trimethylbenzene	ND	0.00280	0.00500	-	-	
1,3,5-Trimethylbenzene	ND	0.00260	0.00500	-	-	- 0
Vinyl Chloride	ND	0.00150	0.00500	-	- , d	, s.f.
n,p-Xylene	ND	0.00400	0.00500	-	-	-
o-Xylene	ND	0.00180	0.00500			

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC18, GC28

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: mg/kg

Sample ID:

MB/LCS/LCSD-201653

			(QC Sumn	nary Rep	ort for S	W8260B				
Analyte	LOS/LOS	LCSD	LCS	MB Result	SPK Val	MDL J	RE3.1	SPK Val	MB SS %REC		MB SS A
Surrogate Recover	V TOTAL	191 83	08		0:20	0.0167	0.0160		(SIAAT)	adle lwite	endeda m tymA lie
Dibromofluorometha	ine			0.130				0.125	104		66-112
Toluene-d8	027-08	18	38	0.128	050.0	7810.0	0.0192	0.125	103	erro	92-109
4-BFB	51173	20	8.0	0.0118	0.020	8870.0	Tern.o	0.0125	94	usdemo	72-112
Benzene-d6	001.10	70	62	0.105	0.020	8610.0	53.0185	0.1	105	arometha	81-126
Ethylbenzene-d10	78-04	77	85	0.117	0990	0.0488	0.0156	0.1	117		92-138
1,2-DCB-d4	22-196	De	.88	0.0832	0.000	3100	aarno	0.1	83	ยกล	68-108

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC18, GC28

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Sample ID:

MB/LCS/LCSD-201653

QC Summary Report for SW8260B

	Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.221	0.242	0.20	111	121	59-127	8.89	20
tert-Amyl methyl ether (TAME)	0.0160	0.0167	0.020	80	83	54-98	4.21	20
Benzene	0.0184	0.0191	0.020	92	95	71-115	3.98	20
Bromobenzene	0.0192	0.0187	0.020	96	93	69-120	2.74	20
Bromochloromethane	0.0191	0.0195	0.020	95	98	63-117	2.30	20
Bromodichloromethane	0.0185	0.0193	0.020	92	97	61-109	4.61	20
Bromoform	0.0156	0.0155	0.020	78	77	46-87	0.801	20
Bromomethane	0.0166	0.0180	0.020	83	90	22-195	8.01	20
2-Butanone (MEK)	0.0690	0.0705	0.080	86	88	53-124	2.08	20
t-Butyl alcohol (TBA)	0.0686	0.0717	0.080	86	90	29-142	4.43	20
n-Butyl benzene	0.0235	0.0237	0.020	118	118	102-169	0.701	20
sec-Butyl benzene	0.0236	0.0234	0.020	118	117	100-166	0.768	20
tert-Butyl benzene	0.0236	0.0230	0.020	118	115	91-153	2.43	20
Carbon Disulfide	0.0156	0.0163	0.020	78	82	60-125	4.40	20
Carbon Tetrachloride	0.0201	0.0209	0.020	100	104	69-124	3.88	20
Chlorobenzene	0.0192	0.0192	0.020	96	96	73-116	0.160	20
Chloroethane	0.0163	0.0170	0.020	81	85	47-140	4.14	20
Chloroform	0.0196	0.0205	0.020	98	102	69-118	4.17	20
Chloromethane	0.00988	0.0113	0.020	49	56	30-132	13.1	20
2-Chlorotoluene	0.0221	0.0214	0.020	110	107	75-147	3.27	20
4-Chlorotoluene	0.0215	0.0214	0.020	107	107	75-137	0.460	20
Dibromochloromethane	0.0170	0.0168	0.020	85	84	57-105	1.37	20
1,2-Dibromo-3-chloropropane	0.00656	0.00656	0.010	66	66	36-103	0.0373	20
1,2-Dibromoethane (EDB)	0.00864	0.00854	0.010	86	85	66-101	1.09	20
Dibromomethane	0.0177	0.0181	0.020	88	90	61-103	2.30	20
1,2-Dichlorobenzene	0.0166	0.0162	0.020	83	81	59-104	2.83	20
1,3-Dichlorobenzene	0.0201	0.0198	0.020	100	99	70-133	1.14	20
1,4-Dichlorobenzene	0.0190	0.0189	0.020	95	94	68-123	0.834	20
Dichlorodifluoromethane	0.00208	0.00224	0.020	10,F2	11,F2	13-107	7.68	20
1,1-Dichloroethane	0.0184	0.0193	0.020	92	96	69-118	4.68	20
1,2-Dichloroethane (1,2-DCA)	0.0179	0.0186	0.020	90	93	59-112	3.48	20
1,1-Dichloroethene	0.0166	0.0174	0.020	83	87	69-126	4.33	20
cis-1,2-Dichloroethene	0.0180	0.0188	0.020	90	94	69-116	4.13	20
trans-1,2-Dichloroethene	0.0181	0.0186	0.020	91	93	73-116	2.54	20
1,2-Dichloropropane	0.0179	0.0187	0.020	90	94	65-111	4.33	20
1,3-Dichloropropane	0.0186	0.0184	0.020	93	92	67-110	0.855	20
2,2-Dichloropropane	0.0214	0.0225	0.020	107	112	65-125	5.02	20
1,1-Dichloropropene	0.0179	0.0200	0.020	90	100	70-123	10.7	20

(Cont.)

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020 | Park and appropriate

Instrument:

GC18, GC28

Matrix:

Project:

Soil

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

mg/kg

Sample ID:

MB/LCS/LCSD-201653

Analyto		LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene		0.0192	0.0188	0.020		96	94	68-126	2.06	20
trans-1,3-Dichloropropene		0.0194	0.0191	0.020		97	96	69-117	1.59	20
Diisopropyl ether (DIPE)	201 201	0.0184	0.0193	0.020	SET U	92	96	57-110	4.52	20
Ethylbenzene	500 001	0.0201	0.0202	0.020	55(1.0)	100	101	80-128	0.526	20
Ethyl tert-butyl ether (ETBE)	18	0.0178	0.0188	0.020	9211.0	89	94	54-106	5.45	20
Freon 113	E1: 801	0.0152	0.0159	0.020	60.0	76	80	60-108	4.41	20
Hexachlorobutadiene	281 181	0.0224	0.0226	0.020	757.0	112	113	67-182	1.26	20
Hexachloroethane	00 100	0.0230	0.0227	0.020	200110	115	114	85-156	1.39	20
2-Hexanone		0.0140	0.0135	0.020		70	67	37-90	3.71	20
Isopropylbenzene		0.0241	0.0236	0.020		120	118	64-167	1.78	20
4-Isopropyl toluene		0.0242	0.0242	0.020		121	121	88-167	0.267	20
Methyl-t-butyl ether (MTBE)		0.0171	0.0180	0.020		85	90	60-102	5.34	20
Methylene chloride		0.0186	0.0196	0.020		93	98	71-117	5.33	20
4-Methyl-2-pentanone (MIBK)		0.0142	0.0134	0.020		71	67	48-90	5.78	20
Naphthalene		0.00831	0.00793	0.020		42	40	29-65	4.63	20
n-Propyl benzene		0.0247	0.0243	0.020		124	121	88-161	1.74	20
Styrene		0.0174	0.0175	0.020		87	87	70-108	0.204	20
1,1,1,2-Tetrachloroethane		0.0187	0.0183	0.020		93	92	69-117	1.91	20
1,1,2,2-Tetrachloroethane		0.0154	0.0148	0.020		77	74	53-96	3.90	20
Tetrachloroethene		0.0198	0.0196	0.020		99	98	78-128	0.702	20
Toluene		0.0200	0.0200	0.020		100	100	78-121	0.157	20
1,2,3-Trichlorobenzene		0.0107	0.0107	0.020		53	54	35-80	0.501	20
1,2,4-Trichlorobenzene		0.0143	0.0140	0.020		72	70	46-101	2.17	20
1,1,1-Trichloroethane		0.0191	0.0202	0.020		95	101	69-121	5.75	20
1,1,2-Trichloroethane		0.0173	0.0172	0.020		86	86	64-104	0.681	20
Trichloroethene		0.0193	0.0202	0.020		96	101	73-118	4.74	20
Trichlorofluoromethane		0.0148	0.0154	0.020		74	77	31-119	4.23	20
1,2,3-Trichloropropane		0.00806	0.00781	0.010		81	78	65-107	3.16	20
1,2,4-Trimethylbenzene		0.0222	0.0222	0.020		111	111	80-147	0.156	20
1,3,5-Trimethylbenzene		0.0232	0.0233	0.020		116	116	83-156	0.434	20
Vinyl Chloride		0.00686	0.00728	0.010		69	73	40-125	5.93	20
m,p-Xylene		0.0390	0.0398	0.040		97	99	80-122	2.10	20
o-Xylene		0.0189	0.0194	0.020		94	97	79-116	2.69	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC18, GC28

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201653

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

3 W 0200

Sample ID:

mg/kg

MB/LCS/LCSD-201653

	QC Summary Report for SW8260B										
Analyte	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit		
Surrogate Recovery	10			25			2				
Dibromofluoromethane	0.132	0.137	0.12		105	109	66-112	3.66	20		
Toluene-d8	0.129	0.129	0.12		103	103	92-109	0.137	20		
4-BFB	0.0124	0.0121	0.012		99	97	72-112	1.85	20		
Benzene-d6	0.108	0.113	0.10		108	113	81-126	4.58	20		
Ethylbenzene-d10	0.121	0.122	0.10		121	122	92-138	1.02	20		
1,2-DCB-d4	0.0887	0.0875	0.10		89	88	68-108	1.32	20		

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020

Date Analyzed: 07/17/2020 16/08/1/8 : hodds 1/4 militaria 1/4

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

.501,2007558 net mabie t

BatchID:

202085 USOSAVIA O Sheeman etall

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202085

Analyte				MDL	RLSM	SPK Val	MB SS %REC	MB SS Limits
Acetone		ND 0	0.6660	30.0	40.0	-	oropene -	orolda O-8, i - sa
tert-Amyl methyl	ether (TAME)	ND	0.0930	0.0610	0.500	-	- onagoran	olnord 6,1-ensi
Benzene		ND 0	0.0716	0.0360	0.500	_	r (DIFS) -	Asaprope) ethi
Bromobenzene	¥	ND	0.0810	0.0970	0.500	-	-	lly oerache
Bromochlorome	thane	ND:	0.0630	0.0720	0.500	-	-(E813) rands	- Input for burst
Bromodichlorom	ethane	ND	0.0930	0.0270	0.500	-	-	Sit dear
Bromoform	-	ND 0	0.130	0.210	0.500	-	 enalb 	texact to-obule
Bromomethane	21	ND	0.0350	0.270	0.500	-	- 90	enthorothechia
2-Butanone (ME	K)	ND	0.350	2.10	5.00	-	-	Horaconn
t-Butyl alcohol (ГВА)	ND1.0	0080.0	2.20	5.00	=	- 97	eznaélvdoudor
n-Butyl benzene		ND	0.00110	0.0830	0.500	=	- end	ner Etotos:
sec-Butyl benze		- ND	0.120	0.0750	0.500	-	-(38TM) terf	n iyusi-ikatisiN
tert-Butyl benzer	ne	ND S	1.00	0.0920	0.500	-	- obr	Astryisne chlor
Carbon Disulfide		ND 0	1441.0	0.120	0.500	-	(AlBIM) errors	-Melfryl & pont
Carbon Tetrachl	oride	ND	0.430	0.0470	0.500	-	-	enererhrigsk
Chlorobenzene		ND	00000	0.0870	0.500	-	- 90	-Propyl Fenze
Chloroethane		ND S	0.74.0	0.160	0.500	-	-	Slymne -
Chloroform		ND	0.0520	0.0850	0.500	-1	- mediació	rissisT-S.L.L.
Chloromethane		ND	1,480,0	0.0960	0.500	-	- ensiseon	manel 6.51.
2-Chlorotoluene	-	ND	007.0.1	0.0890	0.500	=	- 50	etsar ofa t oethe
4-Chlorotoluene		ND	ORT.O	0.0890	0.500	-	-	- etientle
Dibromochlorom	nethane	ND	0.300	0.0830	0.500	-	- sneme	doren ' airT-8,3,,
1,2-Dibromo-3-c	hloropropane	ND	0.200	0.160	1.00	-	- 90050	Joyoloon I-1-,°,j
1,2-Dibromoetha	ane (EDB)	ND 0	0.0740	0.0750	0.500	-	- spadi	ขอาธไก•้อก (- (, 1 , 1
Dibromomethan	е	ND ND	081.0	0.0510	0.500	-	- 9084	SOUTH PATT S. C.
1,2-Dichlorobena	zene	ND:	0.190	0.0700	0.500	-	-	mediamolda l
1,3-Dichlorobena	zene	ND 0	6380.0	0.0840	0.500	-	- enertish	roma k rojol lohil
1,4-Dichlorobena	zene	ND 0	0.0250	0.0680	0.500	-	 susqui 	10:01r=ul17-0.5.1
Dichlorodifluoro	methane	ND	0.8880	0.140	0.500	-	- ansens	2.4-Toraethyo
1,1-Dichloroetha	ine	ND	d\$80.0	0.0720	0.500	-	- anasner	kyntaeth (+8,8,1
1,2-Dichloroetha	ine (1,2-DCA)	ND	0.0520	0.0180	0.500	-	_	hyr Chlende
1,1-Dichloroethe		ND	0310	0.0150	0.500	-	_	redyX-g, r
cis-1,2-Dichloro	ethene	ND	0.050.0	0.0690	0.500	-	-	-97517X-0
trans-1,2-Dichlo		ND		0.110	0.500	-	-	-
1,2-Dichloroprop	pane	ND		0.0110	0.500	-	-	-
1,3-Dichloroprop		ND		0.0740	0.500	-	-	-
2,2-Dichloroprop		ND		0.130	0.500	-	-	-
1,1-Dichloroprop		ND		0.0850	0.500	-	-	-

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020 **Date Analyzed: 07/17/2020 Instrument:**

Matrix:

GC16

Project:

Water

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202085

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202085

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0660	0.500	-	-	•
trans-1,3-Dichloropropene	ND	0.0930	0.500	-	-	:-
Diisopropyl ether (DIPE)	ND	0.0710	0.500	-	-	-
Ethylbenzene	ND	0.0810	0.500	-	-	· 1
Ethyl tert-butyl ether (ETBE)	ND	0.0630	0.500	-	-	e e
Freon 113	ND	0.0930	0.500	-	-	
Hexachlorobutadiene	ND	0.130	0.500	-	-	-
Hexachloroethane	ND	0.0360	0.500		-	e as a sy
2-Hexanone	ND	0.360	1.00	-	-	
Isopropylbenzene	ND	0.0900	0.500	-	-	
4-Isopropyl toluene	ND	0.0610	0.500	-	=	10 S
Methyl-t-butyl ether (MTBE)	ND	0.120	0.500	-	-	- 1
Methylene chloride	ND	1.00	2.00	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.140	0.500	-	-	- F
Naphthalene	ND	0.430	1.00	-	¥ , ,	-
n-Propyl benzene	ND	0.0900	0.500	-	-	F 5 8.
Styrene	ND	0.470	2.00	-	-	
1,1,1,2-Tetrachloroethane	ND and	0.0820	0.500	-	-	1
1,1,2,2-Tetrachloroethane	ND	0.0350	0.500	-	-	-
Tetrachloroethene	ND	0.0790	0.500	-	-	-
Toluene	ND	0.190	0.500	-	-	-
1,2,3-Trichlorobenzene	ND	0.300	0.500	-	-	19 He 1 1
1,2,4-Trichlorobenzene	ND	0.200	0.500	-	-	-
1,1,1-Trichloroethane	ND	0.0740	0.500	-	-	.) H
1,1,2-Trichloroethane	ND	0.150	0.500	-	-	×
Trichloroethene	ND	0.190	0.500	-	-	-
Trichlorofluoromethane	ND	0.0980	0.500	-	-	. , = ,
1,2,3-Trichloropropane	ND	0.0250	0.500	:=:	-	-
1,2,4-Trimethylbenzene	ND	0.0680	0.500	-	-	-
1,3,5-Trimethylbenzene	ND	0.0820	0.500	(=)	-	
Vinyl Chloride	ND	0.0520	0.500	-	-	-
m,p-Xylene	ND	0.150	0.500	(<u>-</u> -	-	-,
o-Xylene	ND	0.0700	0.500	-	B 4 4	, - ,

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020

Date Analyzed: 07/17/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202085

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202085

QC Summary	Report for	·SW8260B
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Analyte	LOSALCED	NAMEC	LCS	MB Result	SPK Val	MDL	REDJ	SPK Val	MB SS %REC	MB SS Limits
Surrogate Reco	very	007	0.00		- Use	6.10 16.5	15.V# 52.4		risman	erone d-Amyl methyl ether
Dibromofluorome				26.0				25	104	76-110
Toluene-d8	80-117	501	tor	25.1	b	4.08	4.02	25	101	84-111
4-BFB	87-124	Sor	POT	2.58	j.	4.34	81.8	2.5	103	64-121



Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020 **Date Analyzed:** 07/17/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202085

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202085

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	47.4	51.9	40	118	130	32-138	9.04	20
tert-Amyl methyl ether (TAME)	4.22	4.44	4	105	111	62-119	5.18	20
Benzene	4.74	4.72	4	118	118	71-126	0.403	20
Bromobenzene	4.02	4.06	4	101	102	66-117	1.01	20
Bromochloromethane	4.18	4.34	4	104	109	67-124	3.81	20
Bromodichloromethane	4.25	4.30	4	106	108	63-119	1.19	20
Bromoform	3.72	4.05	4	93	101	46-117	8.54	20
Bromomethane	4.85	4.75	4	121	119	32-171	2.22	20
2-Butanone (MEK)	19.7	21.4	16	123	134	48-136	8.45	20
t-Butyl alcohol (TBA)	16.4	16.6	16	102	104	40-131	1.27	20
n-Butyl benzene	4.89	4.74	4	122	119	75-125	3.04	20
sec-Butyl benzene	4.40	4.42	4	110	111	72-120	0.553	20
tert-Butyl benzene	4.09	4.10	4	102	103	63-118	0.335	20
Carbon Disulfide	4.54	4.53	4	113	113	64-126	0.154	20
Carbon Tetrachloride	3.87	3.84	4	97	96	67-122	0.876	20
Chlorobenzene	4.38	4.36	4	110	109	71-117	0.567	20
Chloroethane	4.60	4.65	4	115	116	53-136	1.14	20
Chloroform	4.47	4.47	4	112	112	67-126	0.106	20
Chloromethane	4.69	4.59	4	117	115	42-148	2.06	20
2-Chlorotoluene	4.20	4.31	4	105	108	70-117	2.64	20
4-Chlorotoluene	4.20	4.24	4	105	106	67-117	0.768	20
Dibromochloromethane	4.00	4.09	4	100	102	52-120	2.20	20
1,2-Dibromo-3-chloropropane	1.89	1.98	2	95	99	38-128	4.25	20
1,2-Dibromoethane (EDB)	2.02	2.09	2	101	105	58-117	3.49	20
Dibromomethane	4.37	4.48	4	109	112	66-120	2.44	20
1,2-Dichlorobenzene	4.38	4.37	4	109	109	71-117	0.177	20
1,3-Dichlorobenzene	4.30	4.23	4	107	106	74-116	1.62	20
1,4-Dichlorobenzene	4.36	4.42	4	109	111	71-115	1.53	20
Dichlorodifluoromethane	3.52	3.36	4	88	84	29-145	4.71	20
1,1-Dichloroethane	4.62	4.62	4	116	116	68-128	0.0627	20
1,2-Dichloroethane (1,2-DCA)	3.96	4.04	4	99	101	61-123	1.84	20
1,1-Dichloroethene	4.05	4.02	4	101	100	65-126	0.797	20
cis-1,2-Dichloroethene	4.45	4.50	4	111	113	71-122	1.08	20
trans-1,2-Dichloroethene	4.35	4.41	4	109	110	70-126	1.42	20
1,2-Dichloropropane	4.58	4.58	4	115	115	67-124	0.00437	20
1,3-Dichloropropane	4.17	4.32	4	104	108	65-120	3.59	20
2,2-Dichloropropane	4.62	4.54	4	116	113	71-127	1.84	20
1,1-Dichloropropene	4.37	4.31	4	109	108	69-122	1.34	20

(Cont.)

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020

Date Analyzed: 07/17/2020 MAR Will abuilded no durant All

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558 mill mahin'il

BatchID:

202085

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

mb/LCS/LCSD-202085

Analyte 999 98034803			LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene			4.22	4.28	4		106	107	63-119	1.32	20
trans-1,3-Dichloropropene			4.09	4.19	4		102	105	63-116	2.21	20
Diisopropyl ether (DIPE)	703	701	4.95	5.04	4	6,03	124	126	64-128	1.65	20
Ethylbenzene	VUI	10.24	4.35	4.38	4	6.0,1	109	110	69-120	0.826	20
Ethyl tert-butyl ether (ETBE)	UUT	60	4.41	4.61	4	045.	110	115	63-120	4.28	20
Freon 113			4.16	4.15	4		104	104	67-126	0.325	20
Hexachlorobutadiene			3.89	3.68	4		97	92	50-140	5.52	20
Hexachloroethane			4.46	4.41	4		112	110	52-122	1.15	20
2-Hexanone			4.08	4.32	4		102	108	39-121	5.93	20
Isopropylbenzene			4.40	4.39	4		110	110	69-120	0.356	20
4-Isopropyl toluene			4.48	4.45	4		112	111	72-122	0.571	20
Methyl-t-butyl ether (MTBE)			4.14	4.34	4		103	109	60-121	4.83	20
Methylene chloride			4.27	4.34	4		107	108	40-148	1.61	20
4-Methyl-2-pentanone (MIBK)			4.15	4.56	4		104	114	48-115	9.37	20
Naphthalene			4.52	4.51	4		113	113	62-124	0.138	20
n-Propyl benzene			4.29	4.34	4		107	108	70-118	1.08	20
Styrene			4.17	4.25	4		104	106	57-118	1.89	20
1,1,1,2-Tetrachloroethane			4.02	4.04	4		100	101	63-117	0.693	20
1,1,2,2-Tetrachloroethane			4.11	4.28	4		103	107	60-116	4.11	20
Tetrachloroethene			3.78	3.75	4		94	94	60-131	0.861	20
Toluene			4.24	4.31	4		106	108	67-115	1.61	20
1,2,3-Trichlorobenzene			4.28	4.11	4		107	103	60-128	4.01	20
1,2,4-Trichlorobenzene			4.28	4.14	4		107	104	61-133	3.19	20
1,1,1-Trichloroethane			4.13	4.08	4		103	102	67-124	1.07	20
1,1,2-Trichloroethane			3.96	4.06	4		99	102	62-117	2.57	20
Trichloroethene			4.17	4.17	4		104	104	69-120	0.112	20
Trichlorofluoromethane			3.88	3.87	4		97	97	60-134	0.250	20
1,2,3-Trichloropropane			1.93	2.04	2		97	102	56-120	5.76	20
1,2,4-Trimethylbenzene			4.48	4.36	4		112	109	67-124	2.68	20
1,3,5-Trimethylbenzene			4.43	4.36	4		111	109	69-122	1.58	20
Vinyl Chloride			2.37	2.36	2		119	118	52-145	0.660	20
m,p-Xylene			8.33	8.45	8		104	106	67-119	1.42	20
o-Xylene			4.28	4.37	4		107	109	68-120	1.98	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/17/2020 Date Analyzed: 07/17/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202085

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202085

QC Summary Report for SW8260B										
Analyte	LCS Result	LCSD Result	SPK Val	7	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit	
Surrogate Recovery	e							erd n	1	
Dibromofluoromethane	25.4	25.5	25		102	102	76-110	0.461	20	
Toluene-d8	25.1	25.0	25		100	100	84-111	0.493	20	
4-BFB	2.46	2.50	2.5		99	100	64-121	1.61	20	

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020

Date Analyzed: 07/18/2020 2077/72 should all modern and a

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202090

QC Summary Report for SW8260B

Analyte			MB Result		MDL	RLAM	SPK Val	MB SS %REC	MB SS Limits
Acetone			ND	0988.0	30.0	40.0	-	- snequiqu	s-1.3-Dienio
tert-Amyl methy	l ether (TAME)		ND	0.00.0	0.0610	0.500	s = s	- snegorijorg	mid-6,1 and
Benzene			ND	UrY0.0	0.0360	0.500	8 - 8	- 6710) ner	ls l s gomosti
Bromobenzene			ND	01500	0.0970	0.500	(-)	-	inyibermetre
Bromochlorome	thane		ND	0.0000	0.0720	0.500	. - .	438TB) sdle	thyther auty
Bromodichlorom	ethane		ND	0.0036	0.0270	0.500	s - s	-	21.1 meet
Bromoform		-	ND	0.130	0.210	0.500		- eneins	udo u oido axe
Bromomethane			ND.	0.0360	0.270	0.500	-	- 51151	exachlo-betr
2-Butanone (ME	K)		ND	0.00	2.10	5.00	-	-	signished-
t-Butyl alcohol (ГВА)	-	ND	noen A	2.20	5.00	-	- 5FB	vine-wydorda
n-Butyl benzene			ND	01e0.0	0.0830	0.500	-	- Code	of lugoronal
sec-Butyl benze			ND	0310	0.0750	0.500	-	-738 TM), tsirtle	lyhadd lyrifel
ert-Butyl benzer			ND	1.00	0.0920	0.500	-	- abris	id wiens on
Carbon Disulfide			ND	94.0	0.120	0.500	-	(MEHM) snoredn	Methyl 2-ce
Carbon Tetrachl	oride		ND	0.64.9	0.0470	0.500	-	-	eneliárbila.
Chlorobenzene			ND	0.0500	0.0870	0.500	-	- 979	sned tygoril
Chloroethane			ND	37.47.	0.160	0.500	-	-	- shelyl
Chloroform			ND	0.000.0	0.0850	0.500	-	- dnam-onaid	1.12-Tebar
Chloromethane			ND	(2/8,0	0.0960	0.500	-	- uner sandit	ental C.S.F.
2-Chlorotoluene			ND	0.01(1.0)	0.0890	0.500	-	- 96-9	tao•, Inter la
1-Chlorotoluene		2	ND	001:0	0.0890	0.500	-	-	- entold
Dibromochlorom	ethane	-	ND	006.9	0.0830	0.500	-	- macrodo	noldan i-d,5
1,2-Dibromo-3-c	hloropropane		ND	065.0	0.160	1.00	-	 sustancele 	moreon T-è-S.
1,2-Dibromoetha			ND	0.0740	0.0750	0.500	-	 mumbes 	nerdani) - c. L
Dibromomethan			ND	0d11	0.0510	0.500	-	 Execution 	HOLE HET S.A.
1,2-Dichlorobena	zene	-	ND	0.00	0.0700	0.500	-	. .	artizu mirtin
1,3-Dichlorobena	zene		ND	08300	0.0840	0.500	-	- enadem	ne rate distali
1,4-Dichlorobena	zene		ND	5.840.0	0.0680	0.500	-	- 9/11.0700	nalribhi-E.S.
Dichlorodifluoror			ND	0.880 0	0.140	0.500	-	- enexandle	rhea p.T.A.S.
1,1-Dichloroetha	ne		ND	(ES) 0	0.0720	0.500	-	- merchanty	rHearn F-8.5,
,2-Dichloroetha	ne (1,2-DCA)		ND	0.0520	0.0180	0.500	-		Jahrelm Dirtynde
,1-Dichloroethe			ND	1181	0.0150	0.500	-	•	easiy X-o, r
is-1,2-Dichloroe			ND	0.6700	0.0690	0.500	-	.=	- Xylone -
rans-1,2-Dichlor			ND		0.110	0.500	-		-
,2-Dichloroprop			ND		0.0110	0.500	-		-
,3-Dichloroprop			ND		0.0740	0.500	-	-	-
2,2-Dichloroprop			ND		0.130	0.500	-	E	-
,1-Dichloroprop			ND		0.0850	0.500		-	_

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020 Date Analyzed: 07/18/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202090

	Q C Summing					
Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.0660	0.500	=		
trans-1,3-Dichloropropene	ND	0.0930	0.500	-		=
Diisopropyl ether (DIPE)	ND	0.0710	0.500	-	-	-
Ethylbenzene	ND	0.0810	0.500	-	-	. =
Ethyl tert-butyl ether (ETBE)	ND	0.0630	0.500	-	-	= -
Freon 113	ND	0.0930	0.500	-	-	· E
Hexachlorobutadiene	ND	0.130	0.500	-	-	-
Hexachloroethane	ND	0.0360	0.500	-	-	-
2-Hexanone	ND	0.360	1.00	-	-	· _
Isopropylbenzene	ND	0.0900	0.500	-	-	- ,
4-Isopropyl toluene	ND	0.0610	0.500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.120	0.500	=	-	-
Methylene chloride	ND	1.00	2.00	=	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.140	0.500	-	-	-
Naphthalene	ND	0.430	1.00	=	(=)	
n-Propyl benzene	ND	0.0900	0.500	-	1	-
Styrene	ND	0.470	2.00	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0820	0.500	-	•	-
1,1,2,2-Tetrachloroethane	ND	0.0350	0.500	-	-	-
Tetrachloroethene	ND	0.0790	0.500	-	-	-
Toluene	ND	0.190	0.500	-	-	
1,2,3-Trichlorobenzene	ND	0.300	0.500	-	(=) ()	-
1,2,4-Trichlorobenzene	ND	0.200	0.500	=		-
1,1,1-Trichloroethane	ND	0.0740	0.500	_	-	
1,1,2-Trichloroethane	ND	0.150	0.500	-	-	
Trichloroethene	ND	0.190	0.500	-	-	
Trichlorofluoromethane	ND	0.0980	0.500	-		•
1,2,3-Trichloropropane	ND	0.0250	0.500	=	-	×
1,2,4-Trimethylbenzene	ND	0.0680	0.500		-	-
1,3,5-Trimethylbenzene	ND	0.0820	0.500	-	Ε.	=
Vinyl Chloride	ND	0.0520	0.500	=	(#)	. *
m,p-Xylene	ND	0.150	0.500	=	-	
o-Xylene	, ND	0.0700	0.500		-	

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020

Date Analyzed: 07/18/2020

Instrument: Matrix:

GC16 Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202090

Analyte				MB Result		MDL I	Result	SPK Val	MB SS %REC	MB SS Limits
Surrogate Rec	overy	er i	01 T		(J)A	3.82	18.1		AMATVienus	sitois: National desiral
Dibromofluorom	ethane			26.2				25	105	76-110
Toluene-d8	56-117	78	79	24.1		3.49	3.87	25	96	84-111
4-BFB	67-124	92	60	2.48	- 5	78.8	5.84	2.5	99	64-121
V3 00.1	63 1/6.0	10	99				OE.		BINGSTO	anotologicalinomics

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020 Date Analyzed: 07/18/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: Sample ID: μ g/L

MB/LCS/LCSD-202090

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	47.1	45.7	40	118	114	32-138	3.00	20
tert-Amyl methyl ether (TAME)	3.82	3.82	4	95	96	62-119	0.152	20
Benzene	4.41	4.13	4	110	103	71-126	6.49	20
Bromobenzene	3.87	3.49	4	97	87	66-117	10.3	20
Bromochloromethane	3.84	3.67	4	96	92	67-124	4.63	20
Bromodichloromethane	3.96	3.76	4	99	94	63-119	5.36	20
Bromoform	3.47	3.41	4	87	85	46-117	1.83	20
Bromomethane	2.90	2.73	4	73	68	32-171	6.16	20
2-Butanone (MEK)	18.7	19.0	16	117	119	48-136	1.49	20
t-Butyl alcohol (TBA)	16.5	14.9	16	103	93	40-131	10.5	20
n-Butyl benzene	4.48	4.12	4	112	103	75-125	8.36	20
sec-Butyl benzene	4.18	3.73	4	105	93	72-120	11.3	20
tert-Butyl benzene	3.79	3.48	4	95	87	63-118	8.61	20
Carbon Disulfide	4.50	4.17	4	113	104	64-126	7.75	20
Carbon Tetrachloride	3.60	3.35	4	90	84	67-122	7.19	20
Chlorobenzene	4.06	3.76	4	102	94	71-117	7.81	20
Chloroethane	4.70	4.21	4	117	105	53-136	11.0	20
Chloroform	3.86	3.64	4	96	91	67-126	5.78	20
Chloromethane	5.82	5.10	4	146	127	42-148	13.3	20
2-Chlorotoluene	4.02	3.61	4	100	90	70-117	10.7	20
4-Chlorotoluene	3.99	3.66	4	100	91	67-117	8.57	20
Dibromochloromethane	3.68	3.49	4	92	87	52-120	5.45	20
1,2-Dibromo-3-chloropropane	1.68	1.57	2	84	79	38-128	6.65	20
1,2-Dibromoethane (EDB)	1.91	1.81	2	96	91	58-117	5.21	20
Dibromomethane	4.09	3.89	4	102	97	66-120	5.00	20
1,2-Dichlorobenzene	4.08	3.76	4	102	94	71-117	8.11	20
1,3-Dichlorobenzene	4.11	3.74	4	103	93	74-116	9.62	20
1,4-Dichlorobenzene	4.04	3.74	4	101	93	71-115	7.73	20
Dichlorodifluoromethane	4.70	4.19	4	118	105	29-145	11.6	20
1,1-Dichloroethane	4.32	4.06	4	108	102	68-128	6.24	20
1,2-Dichloroethane (1,2-DCA)	3.71	3.56	4	93	89	61-123	4.16	20
1,1-Dichloroethene	3.87	3.60	4	97	90	65-126	7.08	20
cis-1,2-Dichloroethene	4.19	3.89	4	105	97	71-122	7.29	20
trans-1,2-Dichloroethene	4.17	3.87	4	104	97	70-126	7.44	20
1,2-Dichloropropane	4.25	4.00	4	106	100	67-124	6.18	20
1,3-Dichloropropane	3.79	3.67	4	95	92	65-120	3.26	20
2,2-Dichloropropane	4.19	3.81	4	105	95	71-127	9.68	20
1,1-Dichloropropene	4.08	3.82	4	102	96	69-122	6.39	20

(Cont.)

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020

Date Analyzed: 07/18/2020 The Medical Sheeking as in part of

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090 000181170 sharingarf and

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202090

LOSD LOSILOSO RED STIENT SERIEC LIMITS		LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene		3.84	3.63	4		96	91	63-119	5.49	20
trans-1,3-Dichloropropene		3.76	3.57	4		94	89	63-116	5.18	20
Diisopropyl ether (DIPE)	191	4.46	4.28	4	6.02	112	107	64-128	4.32	20
Ethylbenzene	1701	4.08	3.66	4	0.67	102	91	69-120	10.9	20
Ethyl tert-butyl ether (ETBE)	115	3.95	3.94	4	2.40	99	99	63-120	0.101	20
Freon 113		3.92	3.66	4		98	92	67-126	6.90	20
Hexachlorobutadiene		3.26	2.93	4		82	73	50-140	10.6	20
Hexachloroethane		4.17	3.70	4		104	93	52-122	12.0	20
2-Hexanone		3.67	3.64	4		92	91	39-121	0.578	20
Isopropylbenzene		4.09	3.66	4		102	91	69-120	11.2	20
4-Isopropyl toluene		4.15	3.77	4		104	94	72-122	9.59	20
Methyl-t-butyl ether (MTBE)		3.71	3.77	4		93	94	60-121	1.53	20
Methylene chloride		4.09	3.77	4		102	94	40-148	8.22	20
4-Methyl-2-pentanone (MIBK)		3.57	3.57	4		89	89	48-115	0.00168	20
Naphthalene		3.87	3.62	4		97	90	62-124	6.89	20
n-Propyl benzene		3.93	3.61	4		98	90	70-118	8.50	20
Styrene		3.87	3.55	4		97	89	57-118	8.61	20
1,1,1,2-Tetrachloroethane		3.60	3.41	4		90	85	63-117	5.42	20
1,1,2,2-Tetrachloroethane		4.12	3.85	4		103	96	60-116	6.65	20
Tetrachloroethene		3.58	3.30	4		90	83	60-131	8.03	20
Toluene		3.92	3.61	4		98	90	67-115	8.32	20
1,2,3-Trichlorobenzene		3.67	3.27	4		92	82	60-128	11.5	20
1,2,4-Trichlorobenzene		3.43	3.10	4		86	78	61-133	10.0	20
1,1,1-Trichloroethane		3.83	3.59	4		96	90	67-124	6.40	20
1,1,2-Trichloroethane		3.72	3.53	4		93	88	62-117	5.03	20
Trichloroethene		3.90	3.60	4		97	90	69-120	7.87	20
Trichlorofluoromethane		3.79	3.53	4		95	88	60-134	7.18	20
1,2,3-Trichloropropane		1.90	1.78	2		95	89	56-120	6.81	20
1,2,4-Trimethylbenzene		4.16	3.85	4		104	96	67-124	7.87	20
1,3,5-Trimethylbenzene		4.20	3.84	4		105	96	69-122	9.16	20
Vinyl Chloride		2.41	2.17	2		120	109	52-145	10.4	20
m,p-Xylene		7.76	7.03	8		97	88	67-119	9.85	20
o-Xylene		4.02	3.65	4		100	91	68-120	9.52	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/18/2020 Date Analyzed: 07/18/2020

Instrument:

GC16

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

202090

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-202090

QC Summary Report for SW8260B										
Analyte	at a	LCS Result	LCSD Result	SPK Val	· .	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery									- II II	
Dibromofluoromethane		25.3	25.9	25		101	103	76-110	2.23	20
Toluene-d8		25.0	24.8	25		100	99	84-111	0.676	20
4-BFB	8.8	2.48	2.51	2.5	,	99	100	64-121	0.968	20

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix: Soil

Project:

0.11

19-042-01; Antioch Lumber

WorkOrder:

BatchID:

2007558

2

201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Sample ID: MB/LCS/LCSD-201664

QC Summary Report for SW8270C

Analyte 23 am 493 annia 329% lav	MB Result		MDL	RL9M Result	SPK Val	MB SS %REC	MB SS A
1,1-Biphenyl	OEND) (00000	0.00280	0.0130	-	- eralve	enzo (aful) p
1,2,4-Trichlorobenzene	ND	0110030	0.0270	0.250	-	- positine	nculi-(x) osnoš
1,2-Dichlorobenzene	ND	0.73.0	0.0330	0.250	-	-	Benzyl Aledhol
1,2-Diphenylhydrazine	ND	07800	0.0280	0.250	-	amerijaM (vxor	sis (2-chiemeli
1,3-Dichlorobenzene	ND	0.000970	0.0350	0.250	-	- Tortill (lyc	lisorolno-Sy zia
1,4-Dichlorobenzene	ND	0.00360	0.0330	0.250		earth (lyconge	raiorelro Sy zič
1-Methylnaphthalene	ND 0	0.0480	0.000420	0.00130	-	- elegiba (iv	sis (2-ell-ylhex
2,4,5-Trichlorophenol	ND	05.40% 0	0.000760	0.00250	-	- elaterifel (ly	entrale-2) re
2,4,6-Trichlorophenol	ND	024000	0.000820	0.00250	-	- ateladi	ad Nemediylut
2,4-Dichlorophenol	ND	0.00130	0.000690	0.00130		-	-meayida
2,4-Dimethylphenol	ND 0	01-100-5	0.0570	0.250	(=)	- horacend	id is estadic
2,4-Dinitrophenol	ND	0.0290	0.150	0.250	-	-	ne who should
2,4-Dinitrotoluene	ND	0,60470	0.00250	0.0130	-	- 25	Jerbyr Parnet
2,6-Dinitrotoluene	ND	01400 ()	0.00140	0.0130	-	- and	amethyl Pillia
2-Chloronaphthalene	ND	0.603.60	0.0270	0.250	-	- ofsis	runs Aylod-n-IC
2-Chlorophenol	ND	0,00860	0.00210	0.0130	:-	- Aleis	alid Payto o areal.
2-Methylnaphthalene	ND	0.184.00.0	0.000450	0.00130	-	-	enerthrosout ^a
2-Methylphenol (o-Cresol)	ND	021030	0.0360	0.250	-	-	-matesi ²
2-Nitroaniline	(ND)	0.00015.0	0.170	1.20	-	- 7112	า จนณะอยศึกษาสา
2-Nitrophenol	O ND	0850000	0.170	1.20	-	- Brianty	de ace-ourlaine.
3 & 4-Methylphenol (m,p-Cresol)	ND	(662.0	0.0420	0.250	-	-speriophysics	Les actives ocul
3.3-Dichlorobenzidine	ND	971000	0.00100	0.00250	-	- 511	rkan-strt gest
3-Nitroaniline	ND	0.0260 6	0.150	1.20	-	- energy (in	of Carronales
4,6-Dinitro-2-methylphenol	ND	0.0480	0.190	1.20	-	_	r-unorigasi
4-Bromophenyl Phenyl Ether		0.000280	0.0300	0.250	-	-	on-leni dosV
4-Chloro-3-methylphenol	ND	URAO O	0.0310	0.250	_	-	arts-unadonfild
4-Chloroaniline	ND	08730	0.000390	0.00130	-	 Submerferil 	emiles rodul in
4-Chlorophenyl Phenyl Ether	ND	0.080.0	0.0500	0.250	-	- mir civoor	parte on the M
4-Nitroaniline	ND.	9-50-6	0.190	1.20	-	- artificativis	riedzosowik
4-Nitrophenol	ND	0.00000	0.420	1.20	-	- hone	duor-destuna?
Acenaphthene	ND 0	or house	0.000530	0.00130	-	-	annethraner?
Acenaphthylene	ND	udagn. o	0.000370	0.00130	-	•	- formarin
Acetochlor	ND	058000-1	0.0290	0.250	-		- 00014
Anthracene	ND	0.1810	0.000950	0.00130		-	- anti-nys
Benzidine	ND		0.120	1.20	_	-	_
Benzo (a) anthracene	ND		0.00400	0.0130	-	· ·	
Benzo (a) pyrene	ND		0.000980	0.00250		-	
Benzo (b) fluoranthene	ND		0.000300	0.00250			

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CA ELAP 1644 • NELAP 4033ORELAP

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID: 201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Sample ID:

MB/LCS/LCSD-201664

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (g,h,i) perylene	ND	0.00120	0.00250	-	-	- ,
Benzo (k) fluoranthene	ND	0.00110	0.00250	-	-	-
Benzyl Alcohol	ND	0.560	1.20	-	***	- 1
Bis (2-chloroethoxy) Methane	ND	0.0270	0.250	-	-	
Bis (2-chloroethyl) Ether	ND	0.000570	0.00250	-	-	·
Bis (2-chloroisopropyl) Ether	ND	0.00360	0.0130	•	-	
Bis (2-ethylhexyl) Adipate	ND	0.0480	0.250	-	-	·
Bis (2-ethylhexyl) Phthalate	ND	0.00720	0.0250	-	- (,;c=:
Butylbenzyl Phthalate	ND	0.00430	0.0250	-	E 1	
Chrysene	ND	0.00130	0.00250	-	=(n ==
Dibenzo (a,h) anthracene	ND	0.00140	0.00250	-	-	
Dibenzofuran	ND	0.0290	0.250	-	=	·
Diethyl Phthalate	ND	0.00470	0.0130	-	-	-
Dimethyl Phthalate	ND	0.00110	0.00250	-	=::	-vv.
Di-n-butyl Phthalate	ND	0.00380	0.0130	-	-	, 1 1 1 1
Di-n-octyl Phthalate	ND	0.00660	0.0130	-	-	
Fluoranthene	ND	0.000910	0.00250	-	-	n ,,=-
Fluorene	ND	0.00120	0.00250	-	• M	7
Hexachlorobenzene	ND	0.00120	0.00250	-	= 1	
Hexachlorobutadiene	ND	0.000230	0.00130	-	-	v=
Hexachlorocyclopentadiene	ND	0.240	2.00	-	-	<u>-</u>
Hexachloroethane	ND	0.00170	0.0130	-	-	9 - 0
Indeno (1,2,3-cd) pyrene	ND	0.00300	0.0130	-	- 3	-
Isophorone	ND	0.0480	0.250	-	=)	. - .
Naphthalene	ND	0.000280	0.00130	-	-	n=1 n 1
Nitrobenzene	ND	0.0490	0.250	•		#
N-Nitrosodimethylamine	ND *	0.180	1.20		-	7-
N-Nitrosodi-n-propylamine	ND	0.0640	0.250	-	- ,	
N-Nitrosodiphenylamine	ND	0.0240	0.250	•		: =
Pentachlorophenol	ND	0.00600	0.0620	-		-
Phenanthrene	ND	0.00110	0.00500		-	-
Phenol	ND	0.00680	0.0500		*1	
Pyrene	ND	0.000830	0.00250	-		
Pyridine	ND	0.0610	0.250	-	-	.=
(2)						

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Instrument:

GC21

Matrix:

Project:

Soil

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Sample ID:

nsdrau MB/LCS/LCSD-201664

QC Summary	Report	for	SW8270C
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Analyte G98 G	LOS/LOS Limits	LCSD	LCS	MB Result		MDL	RLOJ	SPK Val	MB SS %REC	MB SS Limits
tic Dist	007-00	US	00		21_0	517.0	011.0			lynenoid-L
Surrogate Recover	08.1-00									
2-Fluorophenol				1.16				1.25	93	70-130
Phenol-d5	061-08	20	7.8	1.05	2.5	2.38	2.43	1.25	84	70-130
Nitrobenzene-d5	061-00	5.0	10	0.949	2.5	08.5	80 C	1.25	76	60-130
2-Fluorobiphenyl	051-00	8.5	nA.	0.994	2.7	2.13	212	1.25	80	60-130
2,4,6-Tribromopheno	ol occ-os	113	7.6	0.761	67.0	701.0	861.0	1.25	61	60-130
4-Terphenyl-d14	081-03	38	82	1.28	21.0	201.0	201.0	1.25	103	60-130
										n-ii ania mana ara



Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

MB/LCS/LCSD-201664 Sample ID:

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	0.110	0.112	0.12	88	90	60-130	1.50	30
1,2,4-Trichlorobenzene	2.28	2.29	2.5	91	92	60-130	0.360	30
1,2-Dichlorobenzene	2.25	2.28	2.5	90	91	60-130	1.72	30
1,2-Diphenylhydrazine	2.43	2.38	2.5	97	95	60-130	2.13	30
1,3-Dichlorobenzene	2.28	2.30	2.5	91	92	60-130	0.587	30
1,4-Dichlorobenzene	2.12	2.13	2.5	85	85	60-130	0.368	30
1-Methylnaphthalene	0.109	0.107	0.12	87	85	70-130	2.33	30
2,4,5-Trichlorophenol	0.102	0.106	0.12	82	85	60-130	3.98	30
2,4,6-Trichlorophenol	0.102	0.103	0.12	82	82	60-130	0.186	30
2,4-Dichlorophenol	0.117	0.116	0.12	94	93	60-130	1.17	30
2,4-Dimethylphenol	2.49	2.48	2.5	100	99	70-130	0.653	30
2,4-Dinitrophenol	0.339	0.347	2.5	14,F2	14,F2	15-130	2.30	30
2,4-Dinitrotoluene	0.100	0.101	0.12	80	81	70-130	0.664	30
2,6-Dinitrotoluene	0.101	0.103	0.12	80	83	60-130	2.57	30
2-Chloronaphthalene	2.42	2.49	2.5	97	100	60-130	3.14	30
2-Chlorophenol	0.113	0.114	0.12	91	91	60-130	0.650	30
2-Methylnaphthalene	0.117	0.116	0.12	94	93	70-130	1.29	30
2-Methylphenol (o-Cresol)	2.14	2.17	2.5	85	87	60-130	1.74	30
2-Nitroaniline	9.76	9.90	12.5	78	79	70-130	1.36	30
2-Nitrophenol	10.6	10.6	12.5	85	85	70-130	0.258	30
3 & 4-Methylphenol (m,p-Cresol)	2.31	2.31	2.5	93	93	60-130	0.0713	30
3,3-Dichlorobenzidine	0.0756	0.0781	0.12	60	62	40-130	3.21	30
3-Nitroaniline	7.90	8.25	12.5	63	66	50-130	4.34	30
4,6-Dinitro-2-methylphenol	5.01	5.00	12.5	40	40	20-130	0.256	30
4-Bromophenyl Phenyl Ether	2.55	2.50	2.5	102	100	60-130	2.01	30
4-Chloro-3-methylphenol	2.60	2.57	2.5	104	103	70-130	0.852	30
4-Chloroaniline	0.0662	0.0675	0.12	53	54	40-130	1.90	30
4-Chlorophenyl Phenyl Ether	2.22	2.30	2.5	89	92	70-130	3.45	30
4-Nitroaniline	7.99	8.16	12.5	64	65	60-130	2.15	30
4-Nitrophenol	9.14	10.0	12.5	73	80	60-130	9.32	30
Acenaphthene	0.100	0.101	0.12	80	81	60-130	0.791	30
Acenaphthylene	0.103	0.104	0.12	82	84	60-130	1.39	30
Acetochlor	2.06	2.08	2.5	82	83	60-130	0.993	30
Anthracene	0.110	0.108	0.12	88	87	60-130	1.49	30
Benzidine	2.98	2.86	12.5	24	23	20-130	3.95	30
Benzo (a) anthracene	0.117	0.117	0.12	94	94	70-130	0.191	30
Benzo (a) pyrene	0.127	0.128	0.12	101	102	70-130	1.03	30
Benzo (b) fluoranthene	0.126	0.124	0.12	101	99	60-130	1.83	30

(Cont.)

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Sample ID: and an MB/LCS/LCSD-201664

QC Summary Report for SW8270C

Analyte day asputable	LOS LOSD MREC MREC	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (g,h,i) perylene		0.115	0.113	0.12		92	90	70-130	1.93	30
Benzo (k) fluoranthene		0.143	0.140	0.12		114	112	70-130	2.20	30
Benzyl Alcohol	30 30	8.83	8.74	12.5	20.1	71	70	70-130	0.946	30
Bis (2-chloroethoxy) Methane	06 81	1.86	1.80	2.5	0550	74	72	70-130	3.48	30
Bis (2-chloroethyl) Ether	20 20	0.106	0.107	0.12	60.1	85	86	60-130	1.04	30
Bis (2-chloroisopropyl) Ether	18 20	0.107	0.108	0.12	60.1	86	86	60-130	0.787	30
Bis (2-ethylhexyl) Adipate	- NO - OV	2.26	2.12	2.5	735.0	90	85	60-130	6.27	30
Bis (2-ethylhexyl) Phthalate	50 60	0.119	0.118	0.12	YU.	95	94	60-130	0.736	30
Butylbenzyl Phthalate	**************************************	0.121	0.117	0.12		97	94	60-130	2.88	30
Chrysene		0.121	0.119	0.12		97	95	70-130	1.93	30
Dibenzo (a,h) anthracene		0.116	0.113	0.12		93	90	70-130	3.21	30
Dibenzofuran		2.01	2.01	2.5		80	80	60-130	0.115	30
Diethyl Phthalate		0.105	0.103	0.12		84	83	70-130	1.26	30
Dimethyl Phthalate		0.104	0.105	0.12		83	84	70-130	0.912	30
Di-n-butyl Phthalate		0.120	0.115	0.12		96	92	60-130	3.80	30
Di-n-octyl Phthalate		0.126	0.123	0.12		101	99	60-130	2.30	30
Fluoranthene		0.118	0.116	0.12		94	93	70-130	1.39	30
Fluorene		0.110	0.113	0.12		88	90	60-130	2.33	30
Hexachlorobenzene	***************************************	0.0989	0.0957	0.12		79	77	70-130	3.31	30
Hexachlorobutadiene		0.106	0.105	0.12		84	84	70-130	0.210	30
Hexachlorocyclopentadiene		7.56	7.70	12.5		60	62	60-130	1.82	30
Hexachloroethane		0.114	0.116	0.12		92	93	70-130	1.53	30
Indeno (1,2,3-cd) pyrene		0.111	0.110	0.12		89	88	70-130	1.45	30
Isophorone		2.11	2.05	2.5		84	82	60-130	2.95	30
Naphthalene		0.108	0.107	0.12		86	85	70-130	1.17	30
Nitrobenzene		1.94	2.01	2.5		78	80	60-130	3.60	30
N-Nitrosodi-n-propylamine		1.99	1.91	2.5		80	76	60-130	4.14	30
N-Nitrosodiphenylamine		2.05	2.01	2.5		82	80	70-130	2.15	30
Pentachlorophenol		0.414	0.407	0.62		66	65	50-130	1.83	30
Phenanthrene		0.104	0.103	0.12		83	82	60-130	1.74	30
Phenol		0.388	0.388	0.50		78	78	60-130	0.0619	30
Pyrene		0.114	0.110	0.12		92	88	70-130	3.46	30
Pyridine		1.19	1.23	2.5		48,F2	49,F2	60-130	3.47	30

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201664

Extraction Method: SW3550B

Analytical Method: SW8270C

Unit:

mg/Kg

Sample ID:

QC Summary Report for SW8270C										
Analyte		LCS Result	LCSD Result	SPK Val	а 1	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery									6 5	
2-Fluorophenol		1.02	1.03	1.25		82	82	70-130	0.504	30
Phenol-d5		0.986	1.00	1.25		79	80	70-130	1.55	30
Nitrobenzene-d5		1.03	1.03	1.25		82	82	60-130	0.158	30
2-Fluorobiphenyl		1.06	1.09	1.25		85	87	60-130	2.72	30
2,4,6-Tribromophenol		0.871	0.855	1.25		70	68	60-130	1.81	30
4-Terphenyl-d14		1.07	1.03	1.25		85	82	60-130	3.91	30

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument: GC21

Matrix: Water

Project: 19-042-01; Antioch Lumber WorkOrder:

2007558

BatchID: 201688 02000 000 sharegard shall

Extraction Method: E625 Analytical Method: SW8270C

Unit: μg/L

Sample ID: MB/LCS/LCSD-201688

QC Summary Report for SW8270C

Analyte	SPK MESS	MB Result		MDL	RLAM	SPK Val	MB SS %REC	MB SS Limits
1,1-Biphenyl		ND 0	0.00500	0.00990	0.0500	-	- anordina	erza (b) fluor
1,2,4-Trichlorobe	enzene	(ND)	0.00330	0.0750	1.00	-	stylena -	enza (g.h.) pi
1,2-Dichlorobenz	zene	(ND)	0.00520	0.480	1.00		- snotine	ranit-(x) cane
1,2-Diphenylhyd	razine	ND	3.00	0.130	1.00	-	-	bio#, alexes
1,3-Dichlorobenz	zene	ND	3,00	0.240	1.00	-	-	IndualA your
1,4-Dichlorobenz	zene	ND	081.0	0.340	1.00	-	emental/ (yxor	is (2-chlaroet
1-Methylnaphtha	lene	ND	0.00290	0.00140	0.00500	(I=)	ryl) Elher -	us (2-chieroeri
2,4,5-Trichloroph	nenol	ND	00700	0.00200	0.0100		paceyl) Ether-	opiomainia-:i) gii
2,4,6-Trichloroph	nenol	ND	0110	0.00350	0.0100	-	- stanibA (ly	is (2-ellythes
2,4-Dichloropher		ND	G 60 0	0.00290	0.0100	-	d) Phindate -	xedledla S) zil
2,4-Dimethylphe	nol	ND	0.0430	0.140	1.00	1 - 1	 alsisni 	n'i kenediyin
2,4-Dinitropheno		ND	068000	0.550	2.00	-	-	-enesymb
2,4-Dinitrotoluen		ND	0.6800.0	0.0120	0.0500		- Enstanja	of a osmada
2,6-Dichloropher	nol	ND	0.630 (0.00930	0.0500	-	-	ne ellosueció
2,6-Dinitrotoluen		ND 0	08100	0.00480	0.0500	-	- 5)	Hethyl Painsle
2-Chloronaphtha	lene	(ND)	(B400 0	0.0640	1.00	-	- sish	umetnyl Phila
2-Chlorophenol		ND	0.010	0.00770	0.0500	(-	- Mass	al-ra brong-Plath
2-Methylnaphtha	lene	ND	0.0170	0.00180	0.0100	-	- ands	dell'aleksoni
2-Methylphenol (ND	0.004.10	0.320	1.00	-	7 - .	Lora riverse
2-Nitroaniline		ND	0.00450	0.310	5.00	-	8=	- priencol
2-Nitrophenol		ND	straya.n	0.550	5.00	-	- arts	jado s olitnikal
3 & 4-Methylphei	nol (m,p-Cresol)	ND	n (2000 tr	0.420	1.00	-	- anaine	hunceour' arres
3,3-Dichlorobenz		ND	0.850	0.00290	0.0200	-	- emembración	oyoo=okoasot
3-Nitroaniline		ND	0.00720	0.660	5.00	-	- 300	diana urta ani
4,6-Dinitro-2-met	hylphenol	ND	0.0000	1.00	5.00	-	- on anya (bil	e.S.T. onebm
4-Bromophenyl F		ND	0.130	0.0850	1.00	_	-	evintoriqua
4-Chloro-3-methy		ND	000000	0.150	1.00	-	-	on-fedinasi
4-Chloroaniline	, ,	ND	oef o	0.00210	0.00500	-	_	er = rmaouil
4-Chlorophenyl F	Phenyl Ether	ND	0. TAU	0.110	1.00	-	- smnoty/	amif-osmilivi-v
4-Nitroaniline		ND	0.320	1.30	5.00	-	- snatslyook	r dragoniki k
4-Nitrophenol	1	ND	0000 0	1.60	5.00	_	- enimstyns	d-Marc scale
Acenaphthene		ND	00.60.0	0.00280	0.00500	-	- lore	rluo el locario
Acenaphthylene		ND	0.00740	0.00170	0.00500	-	-	one we short
Acetochlor		ND	0,0200	0.140	1.00	_		- forcert
Anthracene		ND	0.00423	0.00440	0.0100	-	_	- Nami
Benzidine		ND	001.0	0.580	5.00	-	-	- mony
Benzo (a) anthra	cene	ND		0.0190	0.0500	_	-	-
Benzo (a) pyrene		ND		0.00440	0.0100			

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201688

Extraction Method: E625

Analytical Method: SW8270C

Unit:

Sample ID:

μg/L

MB/LCS/LCSD-201688

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (b) fluoranthene	ND	0.00500	0.0200	-	•	-
Benzo (g,h,i) perylene	ND	0.00830	0.0200	•	-	e nº 🗝 qu
Benzo (k) fluoranthene	ND	0.00520	0.0100	-		× 1.50 g.o.
Benzoic Acid	ND	3.00	5.00	-	-	
Benzyl Alcohol	ND	3.00	5.00	-	-	-a
Bis (2-chloroethoxy) Methane	ND	0.180	1.00	-	-	- %
Bis (2-chloroethyl) Ether	ND	0.00260	0.0100	-		
Bis (2-chloroisopropyl) Ether	ND .	0.0160	0.0500	-	_	>
Bis (2-ethylhexyl) Adipate	ND	0.110	1.00	-	-	
Bis (2-ethylhexyl) Phthalate	ND	0.0970	0.200	-	- 0 00	•
Butylbenzyl Phthalate	ND	0.0430	0.0500	-	-:	•
Chrysene	ND	0.00880	0.0100	-	-	-
Dibenzo (a,h) anthracene	ND	0.00830	0.0100	-	-	•
Dibenzofuran	ND	0.0530	1.00	-	-	0 = 0 = 0
Diethyl Phthalate	ND	0.0190	0.0500	-	-	1 - 1-0 - 3
Dimethyl Phthalate	ND	0.00480	0.0100	-	-	- 012
Di-n-butyl Phthalate	ND	0.0140	0.0500	-	-	₩ - 0 1
Di-n-octyl Phthalate	ND	0.0170	0.0500	-	-	- 9 ±15
Fluoranthene	ND	0.00430	0.0100	-	-	
Fluorene	ND	0.00450	0.0100	-	-	
Hexachlorobenzene	ND	0.000730	0.00500	-	-	, - 0
Hexachlorobutadiene	ND	0.000910	0.0100	-	-	v . =
Hexachlorocyclopentadiene	ND	0.850	5.00	-		1 = 2
Hexachloroethane	ND	0.00720	0.0500	-	-	
Indeno (1,2,3-cd) pyrene	ND	0.00780	0.0200	-	- v	-
Isophorone	ND	0.180	1.00	-	- , , ,	
Naphthalene	ND	0.00550	0.0500	-	-	-
Nitrobenzene	ND	0.130	1.00	-	-	1.00
N-Nitrosodimethylamine	ND	0.740	5.00	-	- II	(=0)
N-Nitrosodi-n-propylamine	ND	0.320	1.00	-	-	-
N-Nitrosodiphenylamine	ND	0.0900	1.00	-	-	
Pentachlorophenol	ND	0.0500	0.250	-	-	•
Phenanthrene	ND	0.00740	0.0200	-	-	•
Phenol	ND	0.0200	0.200	-		-
Pyrene	ND	0.00420	0.0100	-	•	. ;
Pyridine	ND	0.160	1.00			

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020 1991/1 and analyzed:

Instrument:

GC21

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201688

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Sample ID: 13dmu/MB/LCS/LCSD-201688

QC Summary	Report for	SW8270C
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Analyte 995				MB Result		MDL	RL9-1	SPK Val	MB SS %REC	-	MB SS Limits
CA	061-06	-11	11:		183.0	EUP.U	map. Ú				утлино-т
Surrogate Recove	ery OET-OT										
2-Fluorophenol				4.17				5	83		50-130
Phenol-d5	70-130	.0E	99	4.20	01	9.28	9.92	5	84	s iradovil	60-130
Nitrobenzene-d5	60-130	38	88	3.76	31	10.8	08.8	5	75	snermed	60-130
2-Fluorobiphenyl	021-08	373	08	4.06	01	8.15	8.03	5	81	anashad	60-130
2,4,6-Tribromopher	nol	84	0.8	4.94	13.0	0.4.0	0.451	5	99	enoladus	60-130
4-Terphenyl-d14	70 130	US	78	3.90	0.50	10%,0	A65A.0	5	78	Ionariquia	70-130
						100 TO 10	TV 2 11			Trains not to	

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201688

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201688

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	0.454	0.409	0.50	91	82	60-130	10.4	25
1,2,4-Trichlorobenzene	8.76	8.65	10	88	86	70-130	1.29	25
1,2-Dichlorobenzene	8.70	8.92	10	87	89	60-130	2.50	25
1,2-Diphenylhydrazine	9.92	9.28	10	99	93	70-130	6.73	25
1,3-Dichlorobenzene	8.90	9.01	10	89	90	60-130	1.26	25
1,4-Dichlorobenzene	8.03	8.15	10	80	82	60-130	1.48	25
1-Methylnaphthalene	0.451	0.419	0.50	90	84	70-130	7.38	25
2,4,5-Trichlorophenol	0.434	0.401	0.50	87	80	70-130	7.73	25
2,4,6-Trichlorophenol	0.430	0.394	0.50	86	79	70-130	8.89	25
2,4-Dichlorophenol	0.472	0.450	0.50	94	90	70-130	4.67	25
2,4-Dimethylphenol	10.1	9.42	10	101	94	70-130	7.13	25
2,4-Dinitrophenol	4.90	5.12	10	49,F2	51,F2	60-130	4.35	25
2,4-Dinitrotoluene	0.458	0.407	0.50	92	81	70-130	11.6	25
2,6-Dichlorophenol	0.508	0.478	0.50	102	96	70-130	6.17	25
2,6-Dinitrotoluene	0.445	0.394	0.50	89	79	70-130	12.0	25
2-Chloronaphthalene	9.65	8.88	10	96	89	70-130	8.34	25
2-Chlorophenol	0.398	0.413	0.50	80	83	60-130	3.75	25
2-Methylnaphthalene	0.488	0.442	0.50	98	88	60-130	9.93	25
2-Methylphenol (o-Cresol)	9.30	9.01	10	93	90	70-130	3.23	25
2-Nitroaniline	44.1	38.4	50	88	77	70-130	13.6	25
2-Nitrophenol	44.5	41.7	50	89	83	70-130	6.57	25
3 & 4-Methylphenol (m,p-Cresol)	9.91	9.84	10	99	98	70-130	0.729	25
3,3-Dichlorobenzidine	0.437	0.417	0.50	87	83	70-130	4.76	25
3-Nitroaniline	46.2	40.5	50	92	81	70-130	13.1	25
4,6-Dinitro-2-methylphenol	34.4	36.0	50	69,F2	72	70-130	4.68	25
4-Bromophenyl Phenyl Ether	10.1	9.50	10	101	95	70-130	6.51	25
4-Chloro-3-methylphenol	11.0	10.1	10	110	101	70-130	8.55	25
4-Chloroaniline	0.452	0.425	0.50	90	85	70-130	6.12	25
4-Chlorophenyl Phenyl Ether	10.1	8.75	10	101	87	70-130	14.6	25
4-Nitroaniline	41.0	36.0	50	82	72	70-130	12.8	25
4-Nitrophenol	48.7	41.6	50	97	83	50-130	15.7	25
Acenaphthene	0.424	0.372	0.50	85	74	70-130	13.0	25
Acenaphthylene	0.448	0.400	0.50	90	80	60-130	11.3	25
Acetochlor	9.19	8.66	10	92	87	70-130	5.90	25
Anthracene	0.454	0.415	0.50	91	83	70-130	9.03	25
Benzidine	34.5	33.8	50	69	68	50-130	2.15	25
Benzo (a) anthracene	0.491	0.455	0.50	98	91	60-130	7.50	25
Benzo (a) pyrene	0.504	0.472	0.50	101	94	70-130	6.52	25

CA ELAP 1644 • NELAP 4033ORELAP

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1

Instrument:

GC21

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201688

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201688

QC Summary Report for SW8270C

S LOSD LOSD RPD atylanA	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (b) fluoranthene	0.522	0.485	0.50		104	97	60-130	7.33	25
Benzo (g,h,i) perylene	0.481	0.461	0.50		96	92	70-130	4.36	25
Benzo (k) fluoranthene	0.579	0.537	0.50	3,22	116	107	70-130	7.44	25
Benzoic Acid	40.8	41.1	50	27.6	82	82	50-130	0.765	25
Benzyl Alcohol	37.2	36.5	50	80.6	74	73	70-130	2.04	25
Bis (2-chloroethoxy) Methane	7.87	7.20	10	62.14	79	72	70-130	8.90	25
Bis (2-chloroethyl) Ether	0.431	0.433	0.50	20.6	86	87	60-130	0.591	25
Bis (2-chloroisopropyl) Ether	0.424	0.412	0.50	17.3	85	83	60-130	2.70	25
Bis (2-ethylhexyl) Adipate	9.28	8.86	10		93	89	60-130	4.70	25
Bis (2-ethylhexyl) Phthalate	0.479	0.452	0.50		96	90	60-130	5.63	25
Butylbenzyl Phthalate	0.462	0.436	0.50		92	87	60-130	5.79	25
Chrysene	0.474	0.442	0.50		95	88	70-130	7.03	25
Dibenzo (a,h) anthracene	0.459	0.430	0.50		92	86	70-130	6.58	25
Dibenzofuran	8.78	7.76	10		88	78	70-130	12.3	25
Diethyl Phthalate	0.462	0.400	0.50		92	80	70-130	14.5	25
Dimethyl Phthalate	0.467	0.405	0.50		93	81	70-130	14.0	25
Di-n-butyl Phthalate	0.501	0.458	0.50		100	92	70-130	8.92	25
Di-n-octyl Phthalate	0.491	0.467	0.50		98	93	70-130	4.85	25
Fluoranthene	0.476	0.443	0.50		95	89	70-130	7.21	25
Fluorene	0.457	0.402	0.50		91	80	70-130	12.7	25
Hexachlorobenzene	0.418	0.388	0.50		84	78	60-130	7.42	25
Hexachlorobutadiene	0.409	0.394	0.50		82	79	60-130	3.84	25
Hexachlorocyclopentadiene	35.6	33.2	50		71	66	60-130	6.90	25
Hexachloroethane	0.447	0.450	0.50		89	90	60-130	0.669	25
Indeno (1,2,3-cd) pyrene	0.470	0.433	0.50		94	87	70-130	8.22	25
Isophorone	9.14	8.59	10		91	86	70-130	6.28	25
Naphthalene	0.426	0.402	0.50		85	80	50-130	5.76	25
Nitrobenzene	8.06	7.67	10		81	77	70-130	4.93	25
N-Nitrosodi-n-propylamine	8.24	7.79	10		82	78	60-130	5.62	25
N-Nitrosodiphenylamine	8.47	8.01	10		85	80	70-130	5.58	25
Pentachlorophenol	1.93	1.79	2.5		77	72	60-130	7.08	25
Phenanthrene	0.434	0.400	0.50		87	80	70-130	8.08	25
Phenol	1.49	1.50	2		75	75	60-130	0.721	25
Pyrene	0.484	0.442	0.50		97	88	70-130	9.12	25
Pyridine	7.72	7.24	10		77	72	50-130	6.45	25

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020 - 07/15/2020

Instrument:

GC21

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201688

Extraction Method: E625

Analytical Method: SW8270C

Unit:

μg/L

Sample ID:

QC Summary Report for SW8270C									
Analyte	LCS Result	LCSD Result	SPK Val	4	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								11 10	
2-Fluorophenol	3.23	3.69	5		65	74	50-130	13.3	25
Phenol-d5	3.72	4.04	5		74	81	60-130	8.46	25
Nitrobenzene-d5	3.89	4.13	5		78	83	60-130	5.88	25
2-Fluorobiphenyl	4.23	4.23	5		85	85	60-130	0.0070	25
2,4,6-Tribromophenol	3.82	3.76	5		76	75	60-130	1.41	25
4-Terphenyl-d14	4.21	4.32	5		84	86	70-130	2.49	25

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Instrument:

Date Analyzed: 07/15/2020 - 07/16/2020 | 10/14 moltoward

Matrix:

ICP-MS2, ICP-MS4

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201678 0205VE PVO sharingas9 and

Extraction Method: E200.8

Analytical Method: E200.8

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201678

2007558-003DMS/MSD

QC Summary Report for Dissolved Metals

	_										
Analyte	098	LCS/LCSD	LCSD	LCS	MB Basself		MDL	REGUI			
					Result						
Antimony	M-20.0	85-115	EE	93	ND	50	0.0600	0.500	=	-	-ynomine
Arsenic	866.0	911-98	96	48	ND	08	0.190	0.500		•	Arseniu -
Barium	0.761	85-115	36	140	ND	500	1.00	5.00	-	-	- mune8
Beryllium	145	25-115	Ü0	9.5	ND		0.0500	0.500	-	-	Bughiura-
Cadmium	88.1	85-115	87	68	ND	00	0.0400	0.250	-	-	Cadmium-
Chromium	0.797	85-115	\$0	93	ND	0.8	0.140	0.500	•	-	Chremius:
Cobalt	37 P Q	85-1-68	98	80	ND	0.8	0.0500	0.500	-		Cobalt -
Copper	0.343	85-115	88	93	ND	06.	0.100	0.500	-	-	- 1 9 940
Lead	10.1	85-148	38	50	ND	50	0.0800	0.500	-	-	- bsa.l
Mercury	00 F	35-115	-30	4.6	0.0340,J	1.25	0.0100	0.0500	-	-	мендиу -
Molybdenu	m	817-68	50	36	ND	0.6	0.260	0.500	-		Molybaenum
Nickel	0.348	85-115	90	47	ND	-03	0.180	0.500	-	-	 EstáM
Selenium	0.482	217-88	76	16	ND	68	0.150	0.500	-		Selentum-
Silver	100	d11-29	1.8	00	ND	08	0.0250	0.190		*	- tevile
Thallium	0.516	85-116	28	56	ND	50	0.0260	0.500	-		- malladi
Vanadium	488.0	d11-88	63	N8	ND	08	0.0600	0.500	-	•	-nurbanaV
Zinc	110	85-115	Sile	46	ND	500	5.00	15.0	-	•	Zinc -

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/15/2020 - 07/16/2020

Instrument:

ICP-MS2, ICP-MS4

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201678

Extraction Method: E200.8

Analytical Method: E200.8

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201678

2007558-003DMS/MSD

QC Summary Report for Dissolved Metals

LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
46.4	46.4	50	93	93	85-115	0.0647	20
46.9	47.3	50	94	95	85-115	0.998	20
471	475	500	94	95	85-115	0.761	20
44.6	45.2	50	89	90	85-115	1.45	20
44.4	43.7	50	89	87	85-115	1.68	20
46.6	46.2	50	93	92	85-115	0.797	20
48.0	48.2	50	96	96	85-115	0.478	20
46.5	46.7	50	93	93	85-115	0.343	20
46.6	46.2	50	93	92	85-115	1.01	20
1.18	1.20	1.25	94	96	85-115	1.60	20
47.5	47.0	50	95	94	85-115	1.10	20
47.1	47.5	50	94	95	85-115	0.846	20
45.6	45.8	50	91	92	85-115	0.482	20
45.2	45.7	50	90	91	85-115	1.08	20
46.5	46.2	50	93	92	85-115	0.518	20
46.9	46.6	50	94	93	85-115	0.684	20
462	462	500	92	92	85-115	0.173	20
	46.4 46.9 471 44.6 44.4 46.6 48.0 46.5 46.6 1.18 47.5 47.1 45.6 45.2 46.5 46.9	Result Result 46.4 46.4 46.9 47.3 471 475 44.6 45.2 44.4 43.7 46.6 46.2 48.0 48.2 46.5 46.7 46.6 46.2 1.18 1.20 47.5 47.0 47.1 47.5 45.6 45.8 45.2 45.7 46.5 46.2 46.9 46.6	Result Result Val 46.4 46.4 50 46.9 47.3 50 471 475 500 44.6 45.2 50 44.4 43.7 50 46.6 46.2 50 48.0 48.2 50 46.5 46.7 50 46.6 46.2 50 1.18 1.20 1.25 47.5 47.0 50 47.1 47.5 50 45.6 45.8 50 45.2 45.7 50 46.5 46.2 50 46.9 46.6 50	Result Result Val %REC 46.4 46.4 50 93 46.9 47.3 50 94 471 475 500 94 44.6 45.2 50 89 44.4 43.7 50 89 46.6 46.2 50 93 48.0 48.2 50 96 46.5 46.7 50 93 46.6 46.2 50 93 1.18 1.20 1.25 94 47.5 47.0 50 95 47.1 47.5 50 94 45.6 45.8 50 91 45.2 45.7 50 90 46.5 46.2 50 93 46.5 46.6 50 93	Result Val %REC %REC 46.4 46.4 50 93 93 46.9 47.3 50 94 95 471 475 500 94 95 44.6 45.2 50 89 90 44.4 43.7 50 89 87 46.6 46.2 50 93 92 48.0 48.2 50 96 96 46.5 46.7 50 93 93 46.6 46.2 50 93 92 1.18 1.20 1.25 94 96 47.5 47.0 50 95 94 47.1 47.5 50 94 95 45.6 45.8 50 91 92 45.2 45.7 50 93 92 46.5 46.2 50 93 92 45.6 45.8 50 91 <td>Result Val %REC %REC Limits 46.4 46.4 50 93 93 85-115 46.9 47.3 50 94 95 85-115 471 475 500 94 95 85-115 44.6 45.2 50 89 90 85-115 44.4 43.7 50 89 87 85-115 46.6 46.2 50 93 92 85-115 48.0 48.2 50 96 96 85-115 46.5 46.7 50 93 93 85-115 46.6 46.2 50 93 92 85-115 1.18 1.20 1.25 94 96 85-115 47.5 47.0 50 95 94 85-115 47.1 47.5 50 94 95 85-115 45.6 45.8 50 91 92 85-115</td> <td>Result Val %REC %REC Limits 46.4 46.4 50 93 93 85-115 0.0647 46.9 47.3 50 94 95 85-115 0.998 471 475 500 94 95 85-115 0.761 44.6 45.2 50 89 90 85-115 1.45 44.4 43.7 50 89 87 85-115 1.68 46.6 46.2 50 93 92 85-115 0.797 48.0 48.2 50 96 96 85-115 0.478 46.5 46.7 50 93 93 85-115 0.343 46.6 46.2 50 93 92 85-115 1.01 1.18 1.20 1.25 94 96 85-115 1.60 47.5 47.0 50 95 94 85-115 1.10 47.1 47</td>	Result Val %REC %REC Limits 46.4 46.4 50 93 93 85-115 46.9 47.3 50 94 95 85-115 471 475 500 94 95 85-115 44.6 45.2 50 89 90 85-115 44.4 43.7 50 89 87 85-115 46.6 46.2 50 93 92 85-115 48.0 48.2 50 96 96 85-115 46.5 46.7 50 93 93 85-115 46.6 46.2 50 93 92 85-115 1.18 1.20 1.25 94 96 85-115 47.5 47.0 50 95 94 85-115 47.1 47.5 50 94 95 85-115 45.6 45.8 50 91 92 85-115	Result Val %REC %REC Limits 46.4 46.4 50 93 93 85-115 0.0647 46.9 47.3 50 94 95 85-115 0.998 471 475 500 94 95 85-115 0.761 44.6 45.2 50 89 90 85-115 1.45 44.4 43.7 50 89 87 85-115 1.68 46.6 46.2 50 93 92 85-115 0.797 48.0 48.2 50 96 96 85-115 0.478 46.5 46.7 50 93 93 85-115 0.343 46.6 46.2 50 93 92 85-115 1.01 1.18 1.20 1.25 94 96 85-115 1.60 47.5 47.0 50 95 94 85-115 1.10 47.1 47

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	10	45.2	50.5	50	ND<5.0	89	100	70-130	11.1	20
Arsenic	10	53.6	54.6	50	ND<5.0	98	100	70-130	1.83	20
Barium	10	509	568	500	81.71	85	97	70-130	11.0	20
Beryllium	10	40.3	47.8	50	ND<5.0	81	96	70-130	16.9	20
Cadmium	10	47.6	47.3	50	ND<2.5	95	95	70-130	0.590	20
Chromium	10	48.7	49.1	50	ND<5.0	97	98	70-130	0.839	20
Cobalt	10	44.4	50.6	50	ND<5.0	86	98	70-130	13.0	20
Copper	10	53.1	53.1	50	ND<5.0	97	98	70-130	0.0753	20
Lead	10	44.7	49.3	50	ND<5.0	89	99	70-130	9.81	20
Mercury	10	1.30	1.23	1.25	ND<0.50	94	89	70-130	5.61	20
Molybdenum	10	109	124	50	72.51	72	102	70-130	12.8	20
Nickel	10	53.2	53.7	50	5.931	94	95	70-130	0.992	20
Selenium	10	54.0	53.7	50	ND<5.0	99	99	70-130	0.483	20
Silver	10	44.4	47.0	50	ND<1.9	89	94	70-130	5.66	20

(Cont.)

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/15/2020 - 07/16/2020 ICP-MS2, ICP-MS4

Instrument: Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201678

Extraction Method: E200.8

Analytical Method: E200.8

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201678

2007558-003DMS/MSD

QC Summary Report for Dissolved Metals

						THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	NAME OF TAXABLE PARTY.		and the same of th		
Analyte	MB SS	MS DF	MS AR	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium		10	44.8	49.3	50	ND<5.0	90	99	70-130	9.52	yrom 20
Vanadium		10	75.2	76.6	50	25.66	99	102	70-130	1.87	20
Zinc		10	486	485	500	ND<150	97	97	70-130	0.206	20

	000.0	USOU U	AIX	7000
Analyte	DLT Result	0.180	DLTRef Val	%D %D Limit
Antimony	. ND<25.0	091.0	ND<5.0	mgnabdelgit
Arsenic	ND<25.0	051.0	ND<5.0	Nickel
Barium	ND<250	031.0	81.71	munsie2
Beryllium	ND<25.0	021.0	ND<5.0	_ nevis
Cadmium	ND<12.0	C/ 80.1	ND<2.5	Taddat)
Chromium	ND<25.0	021.0	ND<5.0	mukansy
Cobalt	ND<25.0	GU.E	ND<5.0	<u> </u>
Copper	ND<25.0		ND<5.0	Success Recovery
Lead	ND<25.0		ND<5.0	-
Mercury	ND<2.50		ND<0.50	7 (120) 0
Molybdenum	72.3		72.51	0.290 20
Nickel	ND<25.0		5.931	
Selenium	ND<25.0		ND<5.0	
Silver	ND<9.50		ND<1.9	
Thallium	ND<25.0		ND<5.0	
Vanadium	26.4		25.66	2.88 20
Zinc	ND<750		ND<150	· -

[%]D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/13/2020 - 07/14/2020

Instrument:

ICP-MS5

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201650

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Sample ID:

QC Summary Report for Metals								
Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits		
Antimony	ND	0.160	0.500	=	-	• 1 7		
Arsenic	ND	0.150	0.500	#		≡ π ³ π × π		
Barium	ND	0.570	5.00	•	=	-		
Beryllium	ND	0.0730	0.500	=	=	-		
Cadmium	0.0630,J	0.0610	0.500	=		=		
Chromium	ND	0.130	0.500	=		-		
Cobalt	ND	0.0520	0.500	=				
Copper	ND	0.180	0.500		-	-		
Lead	ND	0.140	0.500	=	=	-		
Mercury	ND	0.0320	0.0500	=				
Molybdenum	ND	0.160	0.500	=	=			
Nickel	ND	0.170	0.500	-	i a			
Selenium	ND	0.150	0.500	=	E			
Silver	ND	0.120	0.500		5	*		
Thallium	ND	0.0670	0.500	-	=	-		
Vanadium	ND	0.130	0.500	-	=	-		
Zinc	ND	3.00	5.00	=	-	<u>-</u>		
Surrogate Recovery			11			3.6		
Terbium	499			500	100	70-130		

Quality Control Report

Client: Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/13/2020 - 07/14/2020

Instrument: IC

ICP-MS5 II 108 W2 shodloW lealtylauA

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201650

Extraction Method: SW3050B

Analytical Method: SW6020

Unit:

mg/Kg

Sample ID:

QC Summary Report for Metals												
Analyte	MS 58 WREC	SPM Val		LCS Result	LCSD Result	SPK Val	MB Result	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	et RP Lim
Antimony				49.6	53.4	50	GM	99	107	75-125	7.36	(p) (p) F2
Arsenic		-		49.6	51.6	50	OM	99	103	75-125	3.98	El 12
Barium				478	510	500	GW	96	102	75-125	6.41	9093/2
Beryllium				48.4	51.7	50	GM	97	103	75-125	6.48	eneu2
Cadmium	-			50.0	52.6	50	QM	100	105	75-125	5.07	ryflodly 2
Chromium	-			49.5	50.8	50	QI/I	99	102	75-125	2.60	malyX-2
Cobalt				50.4	53.8	50	CIVI	101	108	75-125	6.44	ansiy 2
Copper				50.4	52.8	50		101	106	75-125	4.58	2
Lead				48.5	51.4	50		97	103	75-125	5.79	2
Mercury	5	U		1.19	1.26	1.25	61000	95	101	75-125	5.88	2
Molybdenum		a see a Long		48.9	51.2	50	T N K . K . C . C . C	98	102	75-125	4.63	2
Nickel	F3 F07 F	mani	00.1	49.8	51.9	50	-0.00	100	104	75-125	4.21	2
Selenium	atimi (23556	DERAY	49.8	52.1	50	lineag	100	104	75-125	4.48	2
Silver				46.5	50.6	50		93	101	75-125	8.39	2
Thallium	82-,18	611	96	48.8	51.2	50	0.68.0	98	102	75-125	4.96	.csld) 2
Vanadium	077-18	10	06	49.2	51.2	50	9980-0	98	102	75-125	4.05	2
Zinc	26 f - 17	501	[0]	501	521	500	101.0	100	104	75-125	3.83	2
Surrogate Recovery	767-49	100 E	801	-	51.0	0.100	201 G					STANIA SAN CAR
Terbium				508	539	500		102	108	70-130	5.92	ansulva ala az 2

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/13/2020 - 07/14/2020

Instrument:

GC19, GC7

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201655

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Sample ID:

	QC Summary	Report	10r 5 W 802	71B/801	SBM				
Analyte	MB Result		MDL	RL ,		SPK Val	MB SS %REC		B SS mits
TPH(g) (C6-C12)	ND		0.700	1.00		-	-	-	
MTBE	ND		0.00400	0.0500		•	-	i e	
Benzene	ND		0.00300	0.00500	ľ		-	-	11
Toluene	ND	1.5	0.00200	0.00500		-		-	1/
Ethylbenzene	ND	9. 8	0.00220	0.00500	(-	-	-	
m,p-Xylene	ND		0.00300	0.0100		-	-	(-	ÿ.
o-Xylene	ND		0.00100	0.00500		-	-	-	
Surrogate Recovery				. 19					¥.
2-Fluorotoluene	0.0978			111		0.1	98	75	-134
Analyte	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.590	0.535	0.60		98	89	82-118	9.72	20
MTBE	0.0899	0.0937	0.10		90	94	61-119	4.22	20
Benzene	0.101	0.105	0.10		101	105	77-128	4.02	20
Toluene	0.102	0.104	0.10		102	104	74-132	2.01	20
Ethylbenzene	0.103	0.106	0.10		103	106	84-127	2.44	20
m,p-Xylene	0.216	0.219	0.20		108	109	80-120	1.31	20
o-Xylene	0.107	0.107	0.10	0 =	107	107	80-120	0.0242	20
Surrogate Recovery									
2-Fluorotoluene	0.0966	0.0996	0.10		97	100	75-134	3.08	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/14/2020

Instrument:

GC19, GC7

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201675 [EULV 1970] The Leavest 4 of 90

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Sample ID:

MB/LCS/LCSD-201675

2007558-013AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte 099				MB Result		MDL	REOJ	SPK Val	MB SS %REC	MB SS A Limits
TPH(g) (C6-C12)	82-118.	68	110	ND	0.60	0.700	1.00	-	-	(PH(btex)
MTBE 80.1	614-19	98	94	ND	0.10	0.00400	0.0500	-	-	- BETN
Benzene	77-128	101	100	ND	01.0	0.00300	0.00500	-	-	Benzene -
Toluene	74-132	102	101	ND	07.0	0.00200	0.00500	-	-	Folgene -
Ethylbenzene	84:127	207	001	ND	01.0	0.00220	0.00500	-	-	: thylbenzene
m,p-Xylene	051-08	105	102	ND	0.20	0.00300	0.0100	-	-	n.p-Xylene
o-Xylene	80-120	Ear	101	ND	0.10	0.00100	0.00500	-	-	- ensiyy-c
Surrogate Recov	ery				4/		, , , , , , , , , , , , , , , , , , ,			Surregale Kacavery
2-Fluorotoluene				0.0941				0.1	94	75-134

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020 **Date Analyzed:** 07/14/2020

Instrument:

GC19, GC7

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201675

Extraction Method: SW5035

Analytical Method: SW8021B/8015Bm

Unit:

mg/Kg

Sample ID:

MB/LCS/LCSD-201675

2007558-013AMS/MSD

	QC	Summar	Report	for SW8	021B/801	5Bm				
Analyte	¥	LCS Result	LCSD Result	SPK Val			LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	***************************************	0.546	0.508	0.60		91	85	82-118	7.17	20
MTBE		0.0938	0.0928	0.10		94	93	61-119	1.06	20
Benzene		0.0996	0.101	0.10	2	100	101	77-128	1.29	20
Toluene		0.101	0.102	0.10		101	102	74-132	0.816	20
Ethylbenzene		0.0995	0.102	0.10		100	102	84-127	2.18	20
m,p-Xylene		0.205	0.209	0.20		102	105	80-120	2.05	20
o-Xylene		0.101	0.103	0.10		101	103	80-120	1.99	20
Surrogate Recovery										12
2-Fluorotoluene		0.0965	0.0975	0.10		97	97	75-134	0.962	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	0.575	0.582	0.60	ND	96	97	58-129	1.28	20
MTBE	1	0.0962	0.0990	0.10	ND	96	99	47-118	2.87	20
Benzene	1	0.0864	0.0934	0.10	ND	86	93	55-129	7.72	20
Toluene	1	0.0937	0.0986	0.10	ND	94	99	56-130	5.13	20
Ethylbenzene	1	0.0954	0.0989	0.10	ND	95	99	63-129	3.55	20
m,p-Xylene	1	0.203	0.212	0.20	ND	102	106	80-120	4.24	20
o-Xylene	1	0.0947	0.0991	0.10	ND	95	99	80-120	4.47	20
Surrogate Recovery										
							93		5.53	

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/16/2020

Date Analyzed: 07/16/2020 **Instrument:**

Matrix:

GC12 Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201857

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Bm

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-201857

QC Summary Report for SW80	21B/8015Bm
----------------------------	------------

Analyte	ME SS XREC	SPK Val	MB Result	JGM:	MDL	RLIM	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	_	-	ND	027.0	20.0	50.0	-	10-CZ3) -	1PH-Diereil (C
MTBE			ND	0.6 €	0.530	1.00	(-)	- (880-810)	TEH-Mater Of
Benzene			ND		0.200	0.500	-	-	
Toluene			ND		0.190	0.500	-	(10/00)	- Naganite
Ethylbenzene	201	CS.	ND		0.230	0.500	7	-	_ 60
m,p-Xylene			ND		0.400	1.00	-		
o-Xylene	LOS/LOS	G801 801	ND	2(93	0.130	0.500	•		owigna
Surrogate Recove	n. allmid	WEED WHEE		ToV	Suces	Hussi			

Surrogate Recovery

TC	T	
aaa-TF	X 8	

9	8	9

10

99

74-117

Analyte and a narrow son a	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	48.4	51.7	60	 81	86	78-116	6.58	20
MTBE	8.57	8.13	10	86	81	72-122	5.19	20
Benzene	8.88	8.89	10	89	89	81-123	0.123	20
Toluene	10.6	10.2	10	106	102	83-129	4.47	20
Ethylbenzene	10.8	11.0	10	108	110	88-126	1.46	20
m,p-Xylene	20.8	21.3	20	104	106	80-120	2.06	20
o-Xylene	10.3	10.5	10	103	105	80-120	2.14	20
Surrogate Recovery								
aaa-TFT	9.84	10.0	10	98	100	74-117	1.87	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020 **Date Analyzed:** 07/14/2020

Instrument:

GC9b

Matrix:

Soil

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201651

Extraction Method: SW3550B

Analytical Method: SW8015B

Unit:

mg/Kg

Sample ID:

	QC Report for	r SW801	5B w/out	SG Cle	an-Up	*		,	
Analyte	MB Result		MDL	RL		SPK Val	MB SS %REC		B SS mits
TPH-Diesel (C10-C23)	ND		0.750	1.00		_	-	-	
TPH-Motor Oil (C18-C36)	ND		3.90	5.00		-		-	
Surrogate Recovery									
C9	25.6			Н		25	102	70	-130
Analyte	LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	38.6	37.9	40		97	95	70-130	1.87	20
Surrogate Recovery							-		
C9	25.4	25.4	25		102	102	70-130	0.0343	20

Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020

Date Analyzed: 07/13/2020 - 07/14/2020

19-042-01; Antioch Lumber

GC39B, GC9b

Matrix:

Soil

Project:

WorkOrder:

2007558

BatchID:

201676 (1002) (NII) character of stati

Extraction Method: SW3550B

Analytical Method: SW8015B

Unit:

mg/Kg

Sample ID:

MB/LCS/LCSD-201676

2007558-015BMS/MSD

			QC F	Report fo	r SW801	5B w/out	t SG Clea	an-Up				
Analyte	WB SS	SPK Val		MB Result	JUM	MDL	RLSM		SPK Val	MB SS %REC		MB SS Limits
TPH-Diesel (C10)-C23)			ND 06	0.00	0.750	1.00		-	- (623)	(010-0	PH-Diase
TPH-Motor Oil (0	C18-C36)			ND	120	3.90	5.00		-	- (860-8	13), (10)	PH-Moter
Surrogate Reco	very									/m	Recove	o/apomuš
C9 081-07	66	625		19.0			621		25	76		70-130
Analyte 099	LCS/LCSD	LOSD	LOS	LCS Result	LCSD Result	SPK Val	LCS Result	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10)-C23)	(1)	Ort	37.7	37.3	40 0011	2011	94	93	70-130	1.07	929/0-F20
Surrogate Reco	very									spre	Pencovi	sisponus
C9 811.0	70-150	102	102	19.8	19.4	25 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	889	79	77	70-130	2.18	20
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	36.3	36.7	40	ND	89	90	70-130	1.08	20
Surrogate Reco	very											
C9			1	25.4	25.5	25		102	102	70-130	0.332	2 20



Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 07/13/2020 **Date Analyzed:** 07/13/2020

Instrument:

GC11A

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

201662

Extraction Method: SW3510C

Analytical Method: SW8015B

Unit:

μg/L

Sample ID:

Analyte		MB Result		MDL	RL		SPK Val	MB SS %REC		B SS mits
TPH-Diesel (C10-C23)		ND	ř	30.0	50.0		-	-		- 4.4
TPH-Motor Oil (C18-C36)		ND		120	250		-	-		ū
Surrogate Recovery								9 11	, *	æ
C9		621			il .		625	99	70	0-130
Analyte		LCS Result	LCSD Result	SPK Val		LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPE Limi
TPH-Diesel (C10-C23)	1	1100	1100	1000	,	110	110	70-130	0.333	20
Surrogate Recovery									mit a F	Ç.
C9		638	637	625		102	102	70-130	0.118	20

Pit	mpbell And 34 Willow Pass Rd ttsburg, CA 94565-1701 25) 252-9262	Adi	Inc.		SETUDS TEND (CALL	Wor		r: 200	10-00		Client	RE	TEEA		DA A	er L'Euro C.A. PAIS	1 of □J-fle	
110 L Str	ilson inv. & Eng., Inc. reet, Suite 1 CA 94509		Email: cc/3rd Party: PO: Project:	jwilson@triden	teng.com		Detectio	n Sumn Accou Trider 110 L Antioc	nary ints Pay it Env. o Street, ch, CA S	/able & Eng., Suite 1	Dry-We	_		Reques	ted TAT	Γ: d: and	5 days; 07/10/2 07/13/2	2020
	. Perc	e legand tak	ell steat be	Reques						_		i Tests (
Lab ID		Client ID		Matrix	Collection Date	Hold	me 1 ac	2	3	4	5	6	701	8	9	10	11	12
2007558-001	ı	SB-1-2	8	Soil	7/10/2020 09:20		te or c	051070		lie3	1	Α	Α	×0.3	Α	Г	57	Α
2007558-002		SB-1-5	T A	Soil	7/10/2020 09:25	H	0.11	110/01/1	-	tick!		A	A	198	A	1	1 57	A
2007558-003		HP1		Water	7/10/2020 13:50	H	BALL O	C	-	o.e∈	D		1	A	A	D	61	65230
2007558-004		SB-2-2		Soil	7/10/2020 08:45	in	The D	11000	Α	108		A	Α	-87	A		(2)	A
2007558-004		SB-2-2	8	Soil	7/10/2020 09:05		В	0.000		102			I.	31			6.7	e eaavo
2007558-005		SB-2-5		Soil	7/10/2020 08:47		RITTO	DESONS	Α	-		Α	Α	48	Α		20.5	A
207558-005		SB-2-5		Soil	7/10/2020 09:05	ī	В	05/01/		JGL)			Ĉ.	-Ur			10	97750
J07558-006		SB-3-2	9	Soil	7/10/2020 11:55	Ī	1911130	OSIGN)		30		A	Α	dic	Α		12	A
2007558-007		SB-3-5		Soil	7/10/2020 11:55	T	TE IN C	ITOJZU		"SVY		Α	Α	RH.	Α		(31)	Α
2007558-008		SB-4-1	A	Soil	7/10/2020 11:51	Ī	14.00	35 01 1	1	13		Α	Α	3.43	Α		2.5	A
2007558-009) A	SB-4-2		Soil	7/10/2020 11:51	~	FART G	05017		192.77				Cit	Α		A	G IBP?
2007558-010		SB-4-5		Soil	7/10/2020 11:51							Α	Α		Α			Α
2007558-011		SB-5-2		Soil	7/10/2020 10:25		Α								Α			
2007558-011		SB-5-2		Soil	7/10/2020 10:55				В			В	В					В
2007558-012	2	SB-5-5		Soil	7/10/2020 10:25		Α								Α			
Test Legend	Ŀ																	
1	8260B_S		2	8260B	w	Γ	3		8270_S	CSM_S			4		827	o_scs	M_W	
5	CAM17MS_DISS	1	6	CAM17MS_	TTLC_S	Ī	7	8.0	G-MB	EX_S		1	8		G-	мвтех	_w	
9	PRDisposal Fee		10 PRDISSOLVED		11 PRHOLD				1100	12 TPH(DMO)_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.

CHAIN-OF-CUSTODY RECO

Page 2 of 2

11100	ampoon / me
W	1534 Willow Pass Rd
	Pittsburg, CA 94565-170
	(925) 252-9262

WaterTrax WriteOn EDF WorkOrder: 2007558 Excel Detection Summary

✓ Email EQuIS

ThirdParty

☐ J-flag

5 days;

Report to:

Jesse Wilson Trident Env. & Eng., Inc.

110 L Street, Suite 1

Antioch, CA 94509

(925) 706-6931 FAX: (925) 778-9067

jwilson@tridenteng.com Email: cc/3rd Party:

PO: Project:

19-042-01; Antioch Lumber

Dry-Weight

ClientCode: TEEA

HardCopy

Accounts Payable Trident Env. & Eng., Inc.

110 L Street, Suite 1 Antioch, CA 94509 Rduran@tridenteng.com Date Received:

Requested TAT:

07/10/2020

Date Logged:

07/13/2020

																-
								Re	queste	i Tests	See leg	end bel	ow)			
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
2007558-012	SB-5-5	Soil	7/10/2020 10:55				В	1	T	В	В					В
2007558-013	SB-6-2	Soil	7/10/2020 11:45							Α	Α		Α			Α
2007558-014	SB-6-5	Soil	7/10/2020 11:45							Α	Α		Α			Α
2007558-015	SB-7-1	Soil	7/10/2020 11:15		Α								Α			
2007558-015	SB-7-1	Soil	7/10/2020 11:20				В			В	В					В
2007558-016	SB-7-2	Soil	7/10/2020 11:15	V									Α		Α	
2007558-017	SB-7-5	Soil	7/10/2020 11:15		Α								Α			
2007558-017	SB-7-5	Soil	7/10/2020 11:20				В			В	В	1				В
2007558-018	HP7	Water	7/10/2020 14:30		5 %	С		D	E			Α	Α	E		
2007558-019	SB-2-2A	Soil	7/10/2020 08:45							Α	Α		Α			Α
2007558-020	HP1a	Water	7/10/2020 13:50						С			Α	Α	С		

Test Legend:

1	8260B_S	2	8260B_W
5	CAM17MS_DISS	6	CAM17MS_TTLC_S
9	PRDisposal Fee	10	PRDISSOLVED

3	8270_SCSM_S
7	G-MBTEX_S
11	PRHOLD

4	8270_SCSM_W
8	G-MBTEX_W
12	TPH(DMO)_S

Project Manager: Angela Rydelius

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.

Page 130 of 141

Pittsburg, CA	Pass Rd 94565-1701		io z	rikOnten 2007S	Woi	kOrd	er: 200	7558		Client	Code:	TEEA					
(925) 252-926	2 saparit ygodona	WaterTrax	WriteOn	☐ EDF	П	Excel		EQuIS	univ V	Email	Twist	HardC	ору [ThirdF	arty	☐J-fla	ıg
		Mg 4	v137—	Detection Surprise		Detection	on Sumn	nary	[10]	Dry-We	eight _	_					
Report to:							Bill to:			,			Regues	ted TAT		days;	
Jesse Wilson		Email: j	wilson@trident			•		inte Pa	yable				reque	ilea iAi		uays,	
Trident Env. & Eng	Inc								& Eng.,								
110 L Street, Suite	Dute Received	PO:							Suite 1				Date B	eceive			
Antioch, CA 9450		14.00.40.4	19-042-01; Anti					2 22 2 2 2	94509					ogged:		7/13/2	
(925) 706-6931	FAX: (925) 778-9067		dindent ng cop						enteng.				Dute L	oggeu.	3	7/113/2	
					-												
Lab ID	Client ID			Collection Date	11414	40	14	15		•	d Tests					- 00	04
Labib	Client ib		Matrix	Collection Date	поіц	13	14	10	16	17	18	19	20	21	22	23	24
2007558-001	SB-1-2		Soil	7/10/2020 09:20	П	X 01 0	1000	1	in.		Г	3	-98			12	ROTT
2007558-002	SB-1-5		Soil	7/10/2020 09:25	П	100	7-10/11		in.8			1-2	88			616	1.165
2007558-003	HP1	1	Water	7/10/2020 13:50		В	0.20 PAY		88			84	-68			540	SHER
2007558-004	SB-2-2		Soil	7/10/2020 08:45		11,17.0	TELLIN		98			14	-36			710	8/11/
2007558-004	SB-2-2		Soil	7/10/2020 09:05		7, 17 b	1000		DC.			12	-88			3.10	15E517
2007558-005	SB-2-5	,	Soil	7/10/2020 08:47	y 🔲	9 11 9	1.11		0.0			6-	- B8			WI 6	-secti
`007558-005	SB-2-5		Soil	7/10/2020 09:05		11 70 5	Of GIV.		1-2			- 60	416			7=(Une 10
J07558-006	SB-3-2		Soil	7/10/2020 11:55		19.11.0	0.270172		102			780	88			100	43.25
2007558-007	SB-3-5		Soil	7/10/2020 11:55		K iet U	050 10		HED!				414			D. F.	BULY
	SB-4-1		Soil	7/10/2020 11:51		e mn o	CLIOTE.		Eur			200	1-80			915	age a
2007558-008	SB-4-2		Soil	7/10/2020 11:51	1	Warf I	02(0) 14		199/			E	414			672	175 SE
	SB-4-5		Soil	7/10/2020 11:51													
2007558-009	CD.CO		Soil	7/10/2020 10:25													
2007558-009 2007558-010	SB-5-2		Soil	7/10/2020 10:55					}								
2007558-009 2007558-010 2007558-011	SB-5-2 SB-5-2																
2007558-008 2007558-009 2007558-010 2007558-011 2007558-011 2007558-012			Soil	7/10/2020 10:25			1										
2007558-009 2007558-010 2007558-011 2007558-011	SB-5-2		Soil	7/10/2020 10:25			-										
2007558-009 2007558-010 2007558-011 2007558-011 2007558-012 Test Legend:	SB-5-2	14	Soil	7/10/2020 10:25		15						16		W.Jn	40,00	Lints	os la
2007558-009 2007558-010 2007558-011 2007558-011 2007558-012 Test Legend:	SB-5-2 SB-5-5	14	Soil	7/10/2020 10:25		15						16		WIN	40,09	Chris	oto le

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.

Comments:

	bell Analytical,	Inc.			GH	Į Į	 -0 	-cl	ST	DDY	RE	COF	RD		Page	2 of	2
	g, CA 94565-1701	h e			Wor	kOrde	r: 200	7558		Client	Code:	TEEA					
(925) 25	2-9262	☐ WaterTrax	∏WriteOn	□EDF		Excel	100	EQuIS	•	Email	Г	HardCo	opy [ThirdP	arty	∏J-fla	ıg
							n Summ		-	Dry-Wei	_			_			-
Report to: Jesse Wilson Trident Env. & 110 L Street, Antioch, CA : (925) 706-6931	& Eng., Inc. Suite 1 94509	cc/3rd Party: PO:	vilson@tridente 9-042-01; Antic				II to: Accou Triden 110 L Antioc	nts Pay t Env. & Street, h, CA 9	/able & Eng., Suite 1	Inc.	gni		Date I	sted TAT Receivea Logged:	d:	5 days; 07/10/2 07/13/2	
									Da	quested	Toota /	Con los	and hal	out)			
Lab ID	Cilent ID		Matrix	Collection Date	Hold	13	14	15	16	17	18	19	20	21	22	23	24
2007558-012	SB-5-5		Soil	7/10/2020 10:55			1	1								Т.	
2007558-013	SB-6-2		Soil	7/10/2020 11:45	ti											+	
2007558-014	SB-6-5		Soil	7/10/2020 11:45	H											+	
2007558-015	SB-7-1		Soil	7/10/2020 11:15		n 1										1	
2007558-015	SB-7-1		Soil	7/10/2020 11:20												1	
2007558-016	SB-7-2		Soil	7/10/2020 11:15	V												
2007558-017	SB-7-5		Soil	7/10/2020 11:15													1
2007558-017	SB-7-5		Soil	7/10/2020 11:20													
2007558-018	HP7		Water	7/10/2020 14:30		В											
2007558-019	SB-2-2A		Soil	7/10/2020 08:45													
2007558-020	HP1a		Water	7/10/2020 13:50		В											
Test Legend: 13	PH(DMO)_W	14 18 22			Ē	15 19 23						16 20 24	17				
	er: Angela Rydelius				Ŀ								Prepa	red by:	Lilly	Ortiz	

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.

Comments:



2007558-004B SB-2-2

McCampbell Analytical, Inc. "When Quality Counts"

SW8260B (VOCs)

Soil

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

WORK ORDER SUMMARY

Client Name			IV. & ENG., INC.	nestronel d Projec	et: 19-042-0	1; Antioch Lumber			C Level:	
Contact's E			nteng.com	Comm	nents:					7/13/2020
		141	WaterTrax	WriteOn EDF]Excel	EQuIS Email Hard	CopyThirdPart	y □J-	flag	
Lab ID	Client ID	TAT	Matrix	Test Name	Containers /Composites	Bottle & Preservative Chlorinate	Collection Date	TAT	Sediment Content	Hold SubOu
2007558-001A	SB-1-2	42.0	Soil	SW8015B (Diesel & Motor Oil)	1	16OZ GJ, Unpres	7/10/2020 9:20	5 days	8 5 8 8	P (10.192) 11.
				SW8021B/8015Bm (G/MBTEX)		SWEETS SHEET (CONTINUES)		5 days		
				SW6020 (CAM 17)		SW F 3rt (CASF)(3)		5 days		
2007558-002A	SB-1-5	- 115	Soil	SW8015B (Diesel & Motor Oil)	I	16OZ GJ, Unpres	7/10/2020 9:25	5 days		
				SW8021B/8015Bm (G/MBTEX)		SWEENT (VICES)		5 days		00.8557190
				SW6020 (CAM 17)		SW stan (Drend & Motor Unit		5 days		00-8-8-00
77558-003A	HP1	- tely c	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCI	7/10/2020 13:50	5 days	Present	
558-003B	HP1	1127	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	7/10/2020 13:50	5 days	Present	
2007558-003C	HP1	ct	Water	SW8260B (VOCs)	2	VOA w/ HCI	7/10/2020 13:50	5 days	Present	n 66-8 (21 ta)
2007558-003D	HP1	Probin	Water	E200.8 (CAM 17) (Dissolved-Lab Filtered)	1	250mL HDPE, unprsv.	7/10/2020 13:50	5 days	Present	
2007558-003E	HP1		Water	SW8270C (SVOCs)	1	1LA, Unpres	7/10/2020 13:50	5 days	Present	
2007558-004A	SB-2-2		Soil	SW8015B (Diesel & Motor Oil)	1	16OZ GJ, Unpres	7/10/2020 8:45	5 days		
				SW8021B/8015Bm (G/MBTEX)		(2.1) (3/2) (7/4) (7/4)		5 days		
				SW6020 (CAM 17)		SWEDSKIE VWF 1/1		5 days		
				SW8270C (SVOCs)		nill with the bread of the thin		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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Acetate Liner

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7/10/2020 9:05

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2007558-010A SB-4-5

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

Acetate Liner

WORK ORDER SUMMARY

Client Name	e: TRIDENT	ENV. & ENG., INC	·.	P	roject: 19-042-0	01; Antioch Lumber			Wor	k Order:	2007558
Client Cont	act: Jesse Wils	on							(C Level:	LEVEL 2
Contact's E	mail: jwilson@t	ridenteng.com		C	Comments:				Date	Logged:	7/13/2020
		WaterTrax	WriteOn	□EDF	Excel	EQuIS Email	HardCo	ppyThirdPart	у 🗀	J-flag	
Lab ID	Client ID	Matrix	Test Name	ű.	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sedimen Content	Hold SubOut
2007558-005A	SB-2-5	Soil	SW8015B (Di	esel & Motor Oil)	1	16OZ GJ, Unpres		7/10/2020 8:47	5 days		
			SW8021B/801	5Bm (G/MBTEX))				5 days		
			SW6020 (CAN	117)					5 days		
			SW8270C (SV	OCs)					5 days		
2007558-005B	SB-2-5	Soil	SW8260B (VC	OCs)	1	Acetate Liner		7/10/2020 9:05	5 days		
2007558-006A	SB-3-2	Soil	SW8015B (Di	esel & Motor Oil)	1	Acetate Liner		7/10/2020 11:55	5 days		
			SW8021B/801	5Bm (G/MBTEX))				5 days		
			SW6020 (CAN	117)					5 days		
2007558-007A	SB-3-5	Soil	SW8015B (Di	esel & Motor Oil)	1.	Acetate Liner		7/10/2020 11:55	5 days		
			SW8021B/801	5Bm (G/MBTEX))				5 days		
			SW6020 (CAN	117)					5 days		
2007558-008A	SB-4-1	Soil	SW8015B (Di	esel & Motor Oil)	1	Acetate Liner		7/10/2020 11:51	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).

SW8021B/8015Bm (G/MBTEX)

SW8015B (Diesel & Motor Oil)

SW8021B/8015Bm (G/MBTEX)

SW6020 (CAM 17)

Soil

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Page

5 days

5 days

5 days

5 days

7/10/2020 11:51

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WORK ORDER SUMMARY

Client Name Client Conta Contact's En	act: Jesse	Wilsor		7	2.		Projec		01; Antioch Lun	nber			196	rk Order: QC Level: e Logged:	LEVEL 2	
			Water1	rax ·	WriteOn	EDF	38.7	Excel]EQuIS ⊘ I	Email	HardC	opy	ty 📋	J-flag		
Lab ID	Client ID	TAT	a Date	Matrix	Test Name	от Октанева"	I Ardreil	Containers /Composites	Bottle & Prese	rvative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold Su	bOu
2007558-010A	SB-4-5	1785.	77 111	Soil	SW6020 (CA	M 17)	1-6	1	Acetate Lin	ner 1/	SVE TOTAL	7/10/2020 11:51	5 days	-5-3-9	10.22	6600
2007558-011A	SB-5-2	100	71.11	Soil	SW8260B (VC	OCs)	n AA	1	Acetate Lin	er O	A Shedia V.C.	7/10/2020 10:25	5 days	141-121	- 4-80°	FOR
2007558-011B	SB-5-2	(A)	of T	Soil	SW8015B (Di	iesel & Motor	Oil)	1	160Z GJ, Ur	pres	0.41-11-1/2	7/10/2020 10:55	5 days	1.5 %	21.7 (3-3	C 18
					SW8021B/801	15Bm (G/MB	TEX)						5 days			
					SW6020 (CAN	M 17)					E) (E) (E)		5 days			
					SW8270C (SV	/OCs)					3 . I C		5 days			
2007558-012A	SB-5-5		1119 (1)	Soil	SW8260B (VC	OCs)	2 7001	1	Acetate Lir	ier		7/10/2020 10:25	5 days	5.409.	10 12	ALTE
558-012B	SB-5-5	end f	11 11	Soil	SW8015B (Di	esel & Motor	Oil)	1	160Z GJ, Un	pres	TER TU	7/10/2020 10:55	5 days	7 12 110	19-22	1,14
					SW8021B/801	5Bm (G/MB	TEX)				5/0 5-1 513 gE		5 days		16.82	
					SW6020 (CAN	M 17)					CUTS TVC		5 days			
					SW8270C (SV	/OCs)					1) ()(5 days			
2007558-013A	SB-6-2	1000	-	Soil	SW8015B (Di	esel & Motor	Oil)	1	Acetate Lir	ier	14 7 B 10 10 10 10 10 10 10 10 10 10 10 10 10	7/10/2020 11:45	5 days	1		
					SW8021B/801	15Bm (G/MB	TEX)				0.01.00		5 days		000	
					SW6020 (CAN	M 17)					10.78 m //8		5 days		10.00	
2007558-014A	SB-6-5	770	717	Soil	SW8015B (Di	esel & Motor	Oil)	1	Acetate Lin	er (2010)	71.800 V3	7/10/2020 11:45	5 days		T 0.75	VIII

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).

SW8021B/8015Bm (G/MBTEX)

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5 days

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WORK ORDER SUMMARY

19-042-01; Antioch Lumber

Client	Name:	
Chent	Name:	

TRIDENT ENV. & ENG., INC.

Project:

Work Order: 2007558

Client Contact: Jesse Wilson

Contact's Email: jwilson@tridenteng.com

Comments:

QC Level: LEVEL 2

Date Logged: 7/13/2020

		□WaterTrax	□WriteOn □EDF	Excel]EQuIS ✓Email	∏HardC	opyThirdPart	у 🗆 Ј	-flag		
Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold S	SubOut
2007558-014A	SB-6-5	Soil	SW6020 (CAM 17)	1	Acetate Liner		7/10/2020 11:45	5 days			
2007558-015A	SB-7-1	Soil	SW8260B (VOCs)	1	Acetate Liner		7/10/2020 11:15	5 days			
2007558-015B	SB-7-1	Soil	SW8015B (Diesel & Motor Oil)	1	16OZ GJ, Unpres		7/10/2020 11:20	5 days			
			SW8021B/8015Bm (G/MBTEX)					5 days			
			SW6020 (CAM 17)					5 days			
			SW8270C (SVOCs)					5 days			
2007558-016B	SB-7-2	Soil	0	1	160Z GJ, Unpres		7/10/2020 11:20			✓	
2007558-017A	SB-7-5	Soil	SW8260B (VOCs)	1	Acetate Liner		7/10/2020 11:15	5 days			
2007558-017B	SB-7-5	Soil	SW8015B (Diesel & Motor Oil)	1	16OZ GJ, Unpres		7/10/2020 11:20	5 days			
			SW8021B/8015Bm (G/MBTEX)					5 days			
			SW6020 (CAM 17)					5 days			
			SW8270C (SVOCs)					5 days			
2007558-018A	HP7	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCI		7/10/2020 14:30	5 days	Present		
2007558-018B	HP7	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres		7/10/2020 14:30	5 days	Present		
2007558-018C	HP7	Water	SW8260B (VOCs)	2	VOA w/ HCl		7/10/2020 14:30	5 days	Present		
2007558-018D	HP7	Water	SW8270C (SVOCs)	1	1LA, Unpres		7/10/2020 14:30	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).

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McCampbell Analytical, Inc.

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WORK ORDER SUMMARY

Client Name Client Conta Contact's En	act: Jesse Wi	IT ENV. & ENG., INC Ilson Dtridenteng.com	ioni (Isus I Isul Taphapa		oject: 19-042-0 mments:	01; Antioch Lumber			(2007558 LEVEL 2 7/13/2020
		□WaterTrax	☐ WriteOn	□EDF	Excel	EQuIS √ Email	□HardC	opyThirdPart	у 🗀	J-flag	
Lab ID	Client ID	Matrix	Test Name	3 75 8	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold SubOu
2007558-018E	HP7	Water	E200.8 (CAM I	17) (Dissolved-Lab	1	250mL HDPE, unprsv.	FADA	7/10/2020 14:30	5 days	Present	
2007558-019A	SB-2-2A	Soil		sel & Motor Oil)	00.173/ 1	160Z GJ, Unpres	Baliss	7/10/2020 8:45	5 days		
			SW8021B/8015	5Bm (G/MBTEX)					5 days		
			SW6020 (CAM	(17)					5 days		
2007558-020A	HP1a	Water	SW8021B/8015	5Bm (G/MBTEX)	2	VOA w/ HCl	H Mull	7/10/2020 13:50	5 days	Present	
2007558-020B	HP1a	Water	SW8015B (Die	sel & Motor Oil)	2	aVOA, Unpres		7/10/2020 13:50	5 days	Present	
'558-020C	HP1a	Water	E200.8 (CAM I Filtered)	17) (Dissolved-Lab		250mL HDPE, unprsv.		7/10/2020 13:50	5 days	Present	- 🗆
							615 F	7.002	2-2	#2 ## 800	

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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	1534 Wi										•		•			TU	RN	ARC	DUN	DΤ	IME	: RI	JSHE	7	DA	ΥП	2 1	DAY		3 D/	۱Y E	.	5 DAY	M	1
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Report To: JE	SE WI	1501			Bil	ll To	To	ids	int	: 80	W	-61	29											Ana	ysis	Req	uest								
Company: 751d 110 L 5 Tele: (925) 34	ent En	UIDA	nenta	1+	٤Λ	911	285	116	}_			_	7																						
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Tele: (725) 35 Project#: 19–	0/12	173			E-	Mail oject	ا <u>ل</u> ;	WIL:	son	00	Cia	51	tel	19.0	eM.	E	1:0	7.55	9		Congene		3			S				netal				1	
Project Location:	EST	264	2005	Re	FPu	rcha	se O	rder	71t.	LOCK	1-11	48	103	1_	-	8015) MTBE	7.2	166	E	des)			bicid		_	PNA	;	:		r pa				1	
Sampler Signatur	e: 7	net Y	Loon	101	1	Cita	30 0	ruci	ır			-				08/1	15	ase (bons	sticie	ocle	ides)	Her	S)	OCs	Hs/	20)*	(07		rsolv				-	
- Business	0		PLING				M	IATI	RIX					ЕТНО		(802)	TPH as Diesel (8015) + Moto	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Fotal Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's : Aroclors /	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	LUFT 5 Metals (200.8 / 6020)***	:	Lab to Filter sample for Dissolved metals analysis					
		D/Allia	Lind	-		_					_	\vdash	PRE	SER	VED	Gas	15)	Sil &	lydr	81 (6	CB.	AN A	Acid	8260	8270	8310	2002	8.00	20)*	ple f				1	
SAMPLE ID	Location/			ers	fer	_	nter					П				8 3	08) la	um (e n	3 / 30	82 P	171	151 (524/	625/	IM/) slea	als (2	Metals (200.8 / 6020)***	mex.			- 1	1	-
Symte BB 15	Field Point Name	Date	Time	Container	Wat	Waste Water	Drinking Water	ter				П				1	Dies	trole	trole	2/ 60	8 / 80	2 / 8	8 / 8	12/	527	20 S	Ne.	Met	200.1	iller				-	70
		Date	******	on	Ground	ste)	nkin	Water	_		Sludge	Je.	L	ó	ier.	EX	ag.	al Pe	al Pe	1.50	4 60	A 50	4 51	A 52	152	A 82	N 17	FT 5	slet	lo to l	Silver			1	200
				#	Ğ	3	Dri	Sea	Soll	Alr	Slu	Other	HCL	HNO,	Other	BTEX	TP	Tof E/B	Tol	EP.	EP.	EP.	EP,	EP.	·EP.	EPA	51	LU	Me	Lal	Sil			-	4
SB-1-Z		7-10-20	0920	Sar					X							X	X										X							T	
5B-1-5 4P1		7-10-20	0925	Sor					\times							\times	\times										\times								
HPI			1350	8	X	1										X	\times							\times	X		\times			X					
582-2		7-10-20	0845	Jar					X							X	X								X		\times								
58 2-2				136					X			П												X											
5B 2-5		7-10-20		Yar					X			П				X	X						LOF	\times	X		X								
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5B 3-2				130					X			П				X	X										X							T	
583-5			1155	136					X							X	X										X								7
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handling by MAI staff. N										-										for yo	ut Une	iersta	nding	and f	or alla	wing	us to v	work s	afely.						
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58-4-5	7-10-20	1151	TUBE	501		X	X			X	ST	2	3011	955	7				2	- 1	, a	1
585-2	7-10-20	1025	TAPE	Soil		1	1	X		(5/		34	20	35.4	4				B	7-11	2	
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5B6-5	7-10-20	1145	Tubs	Soil		\times	X		1	X			10					7				
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567-1	7-10-20	1120	Jar	Soil		X	\times		X	X							7					
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MAI clients MUST disclose any dangerous cher Non-disclosure incurs an immediate \$250 surch														ent as a	result of l	brief, glo	oved, ope	n air, sa	mple han	dling by	MAI sta	aff.
* If metals are requested for water samples	and the water type	(Matrix) is	not spec	ified on the c	hain of custody	, MAI	will de	efault to	metal	s by E	200.8	Carlo Cal	e de la la		es with	T	CHAIR IN	Commo	ents / Ins	struction	ns	
Please provide an adequate volume of samp	ole. If the volume i	s not suffici	ent for a	MS/MSD a I	LCS/LCSD wil	be pre	pared	in its p	lace an	d note	d in th	ie report.	lucion ol	seriale.	adal	nla a						
Relinquished By / Com					ime		Recei	ved By	/ Com	pany N	Name	_	start -	ate	Tim							
Josewillen / TRIC	ENTENIE	Morme	7/19	12 (8	200	Z	سا	Ch.	C	De	15		111	120	130	0						
- 44 - 421 - E-2510 -		_						/	-						_							
Matrix Code; DW=Drinking Water			<u></u>													_						

Page <u>2 of 3</u>
Page 139 of 141

McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 Www.mccampbell.com Telephone: Bill To: Company: Address: Email: Tele: Project Name: Project Name: Project Location: Sampler Signature: Sampler Signature: SAMPLE ID Location / Field Point Date Time Matrix Preservative Date Turn Around Time: 1 Day Rush 2 Day Rush 2 Day Rush 3 Day Rush 4	mmary
Telephone: (877) 252-9262 / Fax: (925) 252-9269 Www.mccampbell.com Telephone: (877) 252-9262 / Fax: (925) 252-9269 With the second control of the secon	mmary
www.mccampbell.com main@mccampbell.com Delivery Format: PDF GeoTracker EDF EDD Write On (DW) Detect S Report To: Analysis Requested	mmary
Report To: Analysis Requested	mmary
Report To: Bill To: Analysis Requested	
Company: Address: Company:	
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Project Name: Project #: Project Lipid (1979) With State (1964) 1971 With State (1964) 197	
Project Location: PO # Sampler Signature: S	
Sampler Signature: 4 to 5 to 6	
SAMPLE ID Sampling	
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SAMPLE ID Sampling Date Time Date Time Date Time Date Time Date	7
567-2	\square
5B 7-5 7-1020 1115 WOE SOIL	
5B 7-5 7-10-20 1120 Tar 50:1	
HP7 7-10-20 1430 - water XXXX	
582-2a 7-10-20 0845 Tar 50il	
HP la 7-10-20 1350 - Water XX	
	\
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 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.	y MAI staff.
* 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.	ons
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.	
Relinquished By / Company Name Date Time Received By / Company Name Date Time TTT 1 TTT LCC	
COCCUISON TRUBENT GMADINGHM +OR 7/6/2 1800 1600 1600 1600 1600 1000 1000 1000	er .
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. Relinquished By / Company Name Date Time Received By / Company Name Date Time Not preserved for please lab fi	18-
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 ₂ SO ₄ 4=HNO ₃ 5=NaOH 6=ZnOAc/NaOH 7=None Temp °C Initials	

Sample Receipt Checklist

Client Name: Project:	Trident Env. & Eng., Inc. 19-042-01; Antioch Lumber				Date and Time Received: Date Logged:	7/13/2020	
WorkOrder №: Carrier:	2007558 Client Drop-In	Matrix: Soil/Water Logged by:				Received by: Logged by:	Lilly Ortiz Lilly Ortiz
Chain of Custody (COC) Information							
Chain of custody present?				✓	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	\checkmark	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: 6	.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	<u> </u>	NA ☑
<u>UCMR Samples:</u> pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?			Yes		No	□ N	IA 🗹
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?			Yes		No		IA 🗹
		======					====
Comments:							



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:

2007558 B

Report Created for:

Trident Env. & Eng., Inc.

110 L Street, Suite 1 Antioch, CA 94509

Project Contact:

Jesse Wilson

Project P.O.:

Project:

19-042-01; Antioch Lumber

Project Received:

07/10/2020

Analytical Report reviewed & approved for release on 08/17/2020 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.



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Glossary of Terms & Qualifier Definitions

Client:

Trident Env. & Eng., Inc.

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558 B

Glossary Abbreviation

%D

Serial Dilution Percent Difference

95% Interval

95% Confident Interval

CPT

Consumer Product Testing not NELAP Accredited

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 PDSD Post Digestion Spike

__

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 SPK Val Relative Retention Time

SPKRef Val

Spike Value 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:

Trident Env. & Eng., Inc.

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558 B

Analytical Qualifiers

H	Samples were analyzed out of hold time	
Jak Jama	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.	
e7	Oil range compounds are significant	

Quality Control Qualifiers

F7

The LCS/LCSD recovery is above the upper control limit. The target analyte(s) were Not Detected (ND);

therefore, the data is reportable.



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Analytical Report

Client:

Trident Env. & Eng., Inc.

Date Received: 07/10/2020 18:00

Date Prepared: 08/11/2020

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

Extraction Method: SW3510C

Analytical Method: SW8015B

Unit:

μg/L

	Total Extractable Petro	leum Hyd	rocarbons w/out SG	Clean-Up
Client ID	Lab ID	Matrix	Date Collected	Instrument
HP1	2007558-003F	Water	07/10/2020 13:50	GC6A 08112032.D

					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Analytes	Result	<u>Qualifiers</u>	<u>RL</u>	<u>DF</u>	Date Analyzed
TPH-Diesel (C10-C23)	ND	Н	50	1	08/11/2020 19:22
TPH-Motor Oil (C18-C36)	760	Н	250	1	08/11/2020 19:22

Surrogates **REC (%)** Qualifiers **Limits** C9 86 70-130

08/11/2020 19:22

Batch ID

203551

Analyst(s): JIS Analytical Comments: e7

Client ID	Lab ID	Matrix	Date Colle	ected	Instrument	Batch ID
HP1a	2007558-020D	Water	07/10/2020	13:50	GC6B 08112025.D	203551
Analytes	Result	<u>Qualifiers</u>	<u>RL</u>	<u>DF</u>		Date Analyzed
TPH-Diesel (C10-C23)	ND	Н	50	1		08/11/2020 17:26
TPH-Motor Oil (C18-C36)	ND	Н	250	1		08/11/2020 17:26
Surrogates	REC (%)	Qualifiers	<u>Limits</u>			
C9	93	Н	70-130			08/11/2020 17:26
Analyst(s): JIS						

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Quality Control Report

Client:

Trident Env. & Eng., Inc.

Date Prepared: 08/11/2020

Date Analyzed: 08/11/2020 - 08/12/2020

Instrument:

GC11A, GC6B

Matrix:

Water

Project:

19-042-01; Antioch Lumber

WorkOrder:

2007558

BatchID:

203551

Extraction Method: SW3510C

Analytical Method: SW8015B

Unit:

μg/L

Sample ID:

MB/LCS/LCSD-203551

roman is resolved by the second of QC I	Report fo	or SW801:	5B w/out	SG Cle	an-Up	ets//		9262	nas reser M
Analyte 8 AST bete support	MB Result	2018 2018	MDL	RL capasin-bi	10 nost	SPK Val	MB SS %REC		MB SS Limits
TPH-Diesel (C10-C23)	37.7,J	1011	30.0	50.0			-	1 :1174	L Sirent 2
TPH-Motor Oil (C18-C36)	ND	souten sastat	120	250	10-540-01	Telon	(325) 778.9507	XA I	# 1452 ASOT
Surrogate Recovery C9	573	E 1 B	all au a nadas	Ro3 J	rinidi (625	92		70-130
Analyte	LCS Result	LCSD Result	SPK Val	or TAG	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1320	1240	1000		133,F7	124	70-130	6.63	20
Surrogate Recovery									
C9	677	642	625		108	103	70-130	5.28	20

McCampbell Analytical, I 1534 Willow Pass Rd Pittsburg, CA 94565-1701	nc.					I-OF		D	DY R ClientCo				Page	1 of	1
(925) 252-9262	☐ WaterTrax	WriteOn	□EDF		Excel	n Summ	EQuIS arv	✓ Em	nail y-Weight	HardC	ору	Thir	dParty	☐ J-fla	ag
Report to: Jesse Wilson		Bill to: Requirements of the control											AT:	5 days	;
Trident Env. & Eng., Inc. 110 L Street, Suite 1 Antioch, CA 94509	PO:	Project: 19-042-01; Antioch Lumber Antioch, CA 94509 Date Logged:									d:	07/10/2020 07/13/2020			
(925) 706-6931 FAX: (925) 778-9067						Rdurai	n@trider	nteng.cor Requ	n ested Test	s (See leg	5=2(M1005)	Add-C		08/11/	
Lab ID Client ID		Matrix	Collection Date	Hold	1	2	3	4	5 6	7	8	9	10	11	12
2007558-003 HP1	я	Water	7/10/2020 13:50		F										
2007558-020 HP1a	-	Water	7/10/2020 13:50		D										

Test Legend:

1 TPH(DMO)_W	2	3	4
5	6	7	8
9	10	11	12

Project Manager: Angela Rydelius

McCampbell Analytical, Inc.

Prepared by: Lilly Ortiz

Add-On Prepared By: Maria Venegas

Comments:

Add on A for invoicing of chromatograms 07/29/2020 CAA. Re-Extract TPHDMO added to 003 & 020 8/11/2020 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.

Page 6 of 9



McCampbell Analytical, Inc.

"When Quality Counts"

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WORK ORDER SUMMARY

Client Name:

TRIDENT ENV. & ENG., INC.

Project:

19-042-01; Antioch Lumber

Work Order: 2007558

QC Level: LEVEL 2

Contact's Email jwilson@tridenteng.com

Client Contact: Jesse Wilson

Comments: Add on A for invoicing of chromatograms 07/29/2020 CAA. Re-Extract TPHDMO added to 003 & 020 8/11/2020 STAT. **Date Logged:** 7/13/2020 **Date Add-On:** 8/11/2020

2007558-003F							Date	C Add-On.	0/11/2020
	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold SubOut
2007558-003F	HP1	Water	SW8015B (Diesel & Motor Oil)	1	VOA w/ HCl	7/10/2020 13:50	5 days	Present	
2007558-020D	HP1a	Water	SW8015B (Diesel & Motor Oil)		VOA w/ HCl	7/10/2020 13:50	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.

Page 1 of 1

Page 7 of 9

2007558

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Report To: フを	SSE WILSON BILL TO: Trident Env+ Enq.											Analysis Request										\dashv													
Company: Told	ENL EN	ULOW	Lighment It Engineering Sotel, Antiock CA 94509 73 E-Mail: Junton & tridenteng.e																			T	\neg												
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Project#: 19-	042-	DI	- 1-	10	Pr	oject	Nai	ne:/	126	al	14	دور	2	5		. C	0	199	1.8.1	7	ů,		clde			N.As)				d me		9			- 1
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Sampler Signatur	E: 7			101	1				DIV			_	111	THO	nn	170	3	ira.	ar be	Pest	Aroc	tleid	CIII	1,00	0.78	W.	17.09	6020		Div		1			
	-	SAMI	PLING			,	'V	IAT	RIX					SER		Cas (8021/	+	Total Petroleum Oil & Grease (1664 / 5520) EB&F)	Total Petroleum Ilydrocarbons (418.1)	EPA \$05/ 608 / 8081 (Cl Pesticides)	EPA 608 / 80S2 PCWv; Aroctors / Congenera	EPA 507 / Staf (NP Perfeides)	EPA S15+ 8151 (Acidle Cl Herbieldes)	EPA 524.2 / 624 / 8260 (VOCs)	EPA \$25.2 / 625 / 8270 (SVOCs)	8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals unalysis		1	1		-
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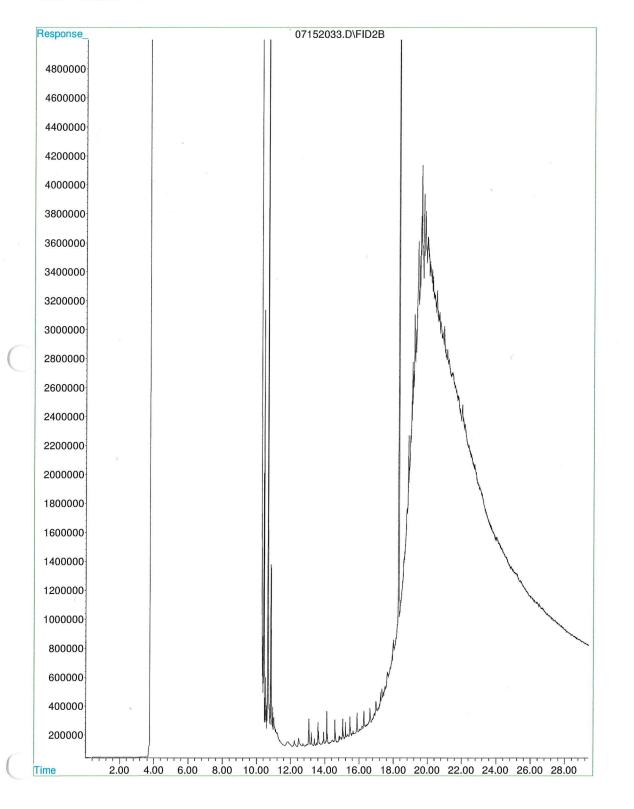
Operator : Jillian

Acquired : 15 Jul 2020 9:48 pm using AcqMethod GC31A_B5.M

Instrument: GC31 Sample Name: 2007558-001A S

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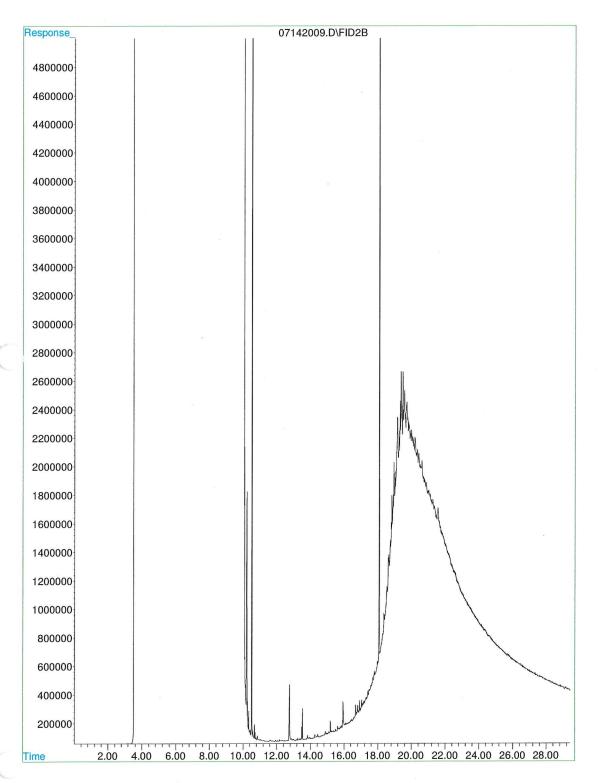


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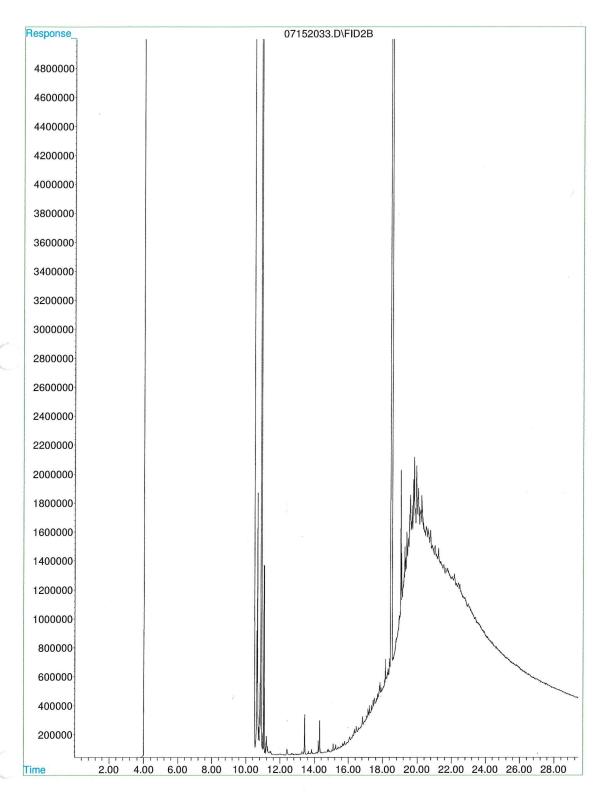
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Instrument : GC-11

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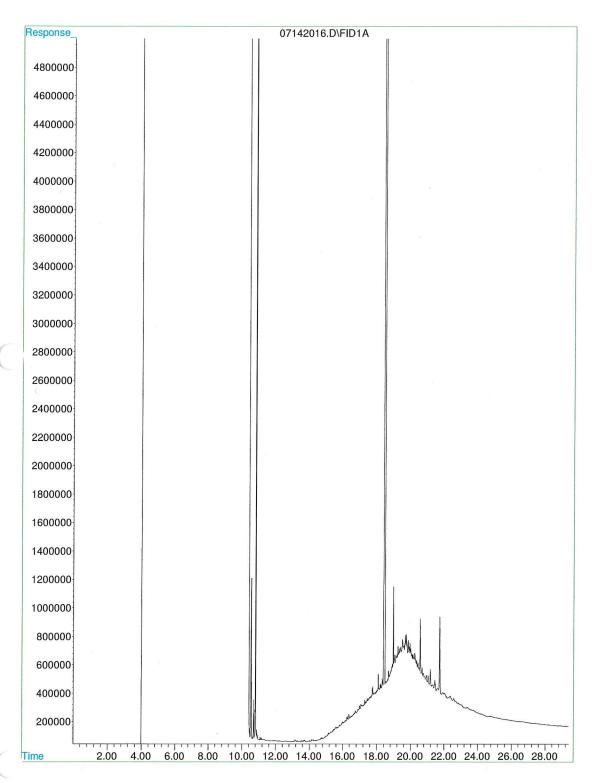
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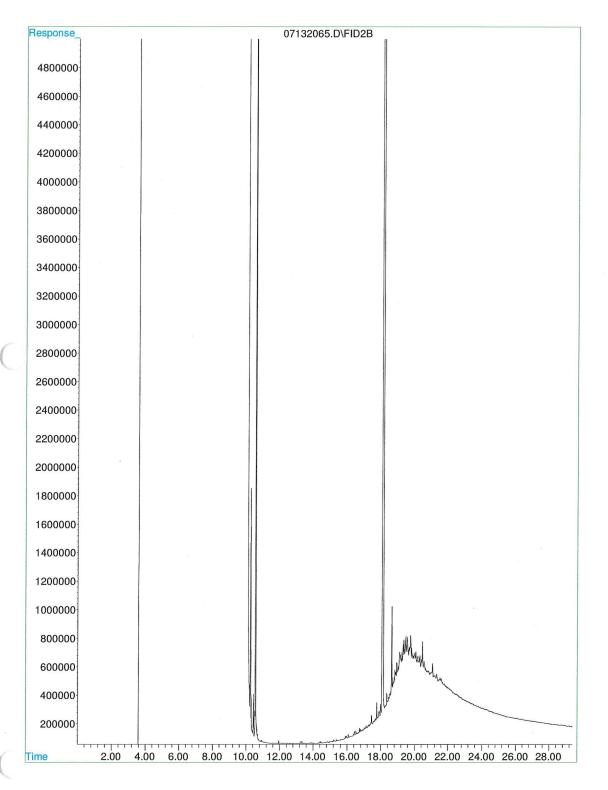
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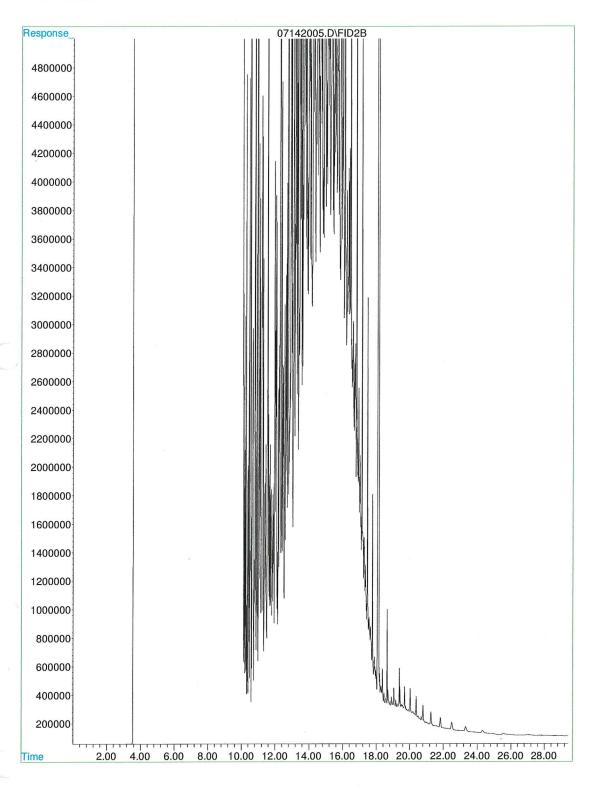
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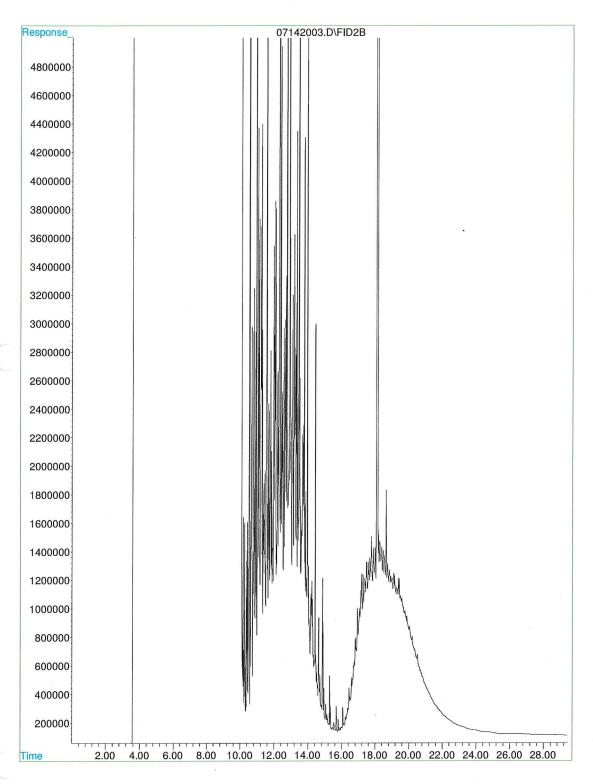


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Operator : Jillian
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ATTACHMENT "C"

CONSULTING SERVICES AGREEMENT BETWEEN THE CITY OF ANTIOCH AND [NAME OF CONSULTANT] FOR THE RIVERTOWN COMMUNITY SPACE (P.W. 514-7)

THIS AGREEMENT ("Agreement") is made and entered into this day of, 202 ("Effective Date") by and between the City of Antioch, a municipal Corporation with its principle place of business at 200 H Street, Antioch, CA 94509 ("City") and with its principle place of business at ("Consultant"). City and Consultant individually are sometimes
referred to herein as "Party" and collectively as "Parties."
<u>SECTION 1.</u> <u>SERVICES</u> . Subject to the terms and conditions set forth in this Agreement, Consultant shall furnish all technical and professional services including labor, material, equipment, transportation, supervision and expertise to provide to City the services described in the Scope of Work attached as <u>Exhibit A</u> attached hereto and incorporated herein at the time and place and in the manner specified therein ("Services"). In the event of a conflict in or inconsistency between the terms of this Agreement and <u>Exhibit A</u> , the Agreement shall prevail.
1.1 <u>Term of Services.</u> The term of this Agreement shall begin on the Effective Date and shall end on, the date of completion specified in <u>Exhibit A</u> , and Consultant shall complete the Services described in <u>Exhibit A</u> prior to that date, unless the term of the Agreement is otherwise terminated or extended, as provided for in Section 8. The time provided to Consultant to complete the Services required by this Agreement shall not affect the City's right to terminate the Agreement, under Section 8.
Standard of Performance. Consultant represents that it is experienced in providing these services to public clients and is familiar with the plans and needs of City. Consultant shall perform all Services required pursuant to this Agreement in the manner and according to the standards observed by a competent practitioner of the profession in which Consultant is engaged in the geographical area in which Consultant practices its profession.
1.3 <u>Assignment of Personnel.</u> Consultant shall assign only competent personnel to perform Services pursuant to this Agreement. In the event that City, in its sole discretion, at any time during the term of this Agreement, desires the reassignment of any such persons, Consultant shall, immediately upon receiving notice from City of such desire of City, reassign such person or persons.
1.4 <u>Time.</u> Consultant shall devote such time to the performance of Services pursuant to this Agreement as may be reasonably necessary to meet the standard of performance provided in Section 1.1 above and to satisfy Consultant's obligations hereunder.
SECTION 2. COMPENSATION. City hereby agrees to pay Consultant a sum not to exceed notwith the proposal, for Services to be performed and reimbursable costs incurred under this Agreement. In the event of a conflict between this Agreement and Consultant's proposal, attached as Exhibit A, regarding the amount of compensation, the Agreement shall prevail. City shall pay Consultant for Services rendered

pursuant to this Agreement at the time and in the manner set forth below. The payments specified below

shall be the only payments from City to Consultant for Services rendered pursuant to this Agreement. Except as specifically authorized by City, Consultant shall not bill City for duplicate services performed by more than one person.

Consultant and City acknowledge and agree that compensation paid by City to Consultant under this Agreement is based upon Consultant's estimated costs of providing the Services required hereunder, including salaries and benefits of employees and subcontractors of Consultant. Consequently, the Parties further agree that compensation hereunder is intended to include the costs of contributions to any pensions and/or annuities to which Consultant and its employees, agents, and subcontractors may be eligible. City therefore has no responsibility for such contributions beyond compensation required under this Agreement.

- **2.1** <u>Invoices.</u> Consultant shall submit invoices, not more often than once a month during the term of this Agreement, based on the cost for Services performed and reimbursable costs incurred prior to the invoice date. Invoices shall contain the following information:
 - Serial identifications of progress bills; i.e., Progress Bill No. 1 for the first invoice, etc.;
 - The beginning and ending dates of the billing period;
 - A Task Summary containing the original contract amount, the amount of prior billings, the total due this period, the balance available under the Agreement, and the percentage of completion;
 - At City's option, for each work item in each task, a copy of the applicable time entries or time sheets shall be submitted showing the name of the person doing the work, the hours spent by each person, a brief description of the work, and each reimbursable expense;
 - The total number of hours of work performed under the Agreement by Consultant and each employee, agent, and subcontractor of Consultant performing services; and,
 - The Consultant's signature.

2.2 Payment Schedule.

- **2.2.1** City shall make incremental payments, based on invoices received, [according to the payment schedule attached as Exhibit B and incorporated herein], for Services satisfactorily performed, in accordance with the requirements of this Agreement, and for authorized reimbursable costs incurred. City shall have thirty (30) days from the receipt of an invoice that complies with all of the requirements of Section 2.1 to pay Consultant.
- 2.2.2 City shall pay the last 10% of the total sum due pursuant to this Agreement within sixty (60) days after completion of the services and submittal to City a final invoice, if all services required have been satisfactorily performed.]

2.3 Total Payment. City shall pay for the Services to be rendered by Consultant pursuant to this Agreement. City shall not pay any additional sum for any expense or cost whatsoever incurred by Consultant in rendering Services pursuant to this Agreement, unless expressly provided for in Section 2.5.

In no event shall Consultant submit any invoice for an amount in excess of the maximum amount of compensation provided above either for a task or for the entire Agreement, unless the Agreement is modified prior to the submission of such an invoice by a properly executed change order or amendment.

- **2.4** Hourly Fees. Fees for work performed by Consultant on an hourly basis shall not exceed the amounts shown on the fee schedule in Exhibit B.
- 2.5 Reimbursable Expenses. Reimbursable expenses are specified below, and shall not exceed ________(\$). Expenses not listed below are not chargeable to City. Reimbursable expenses are included in the total amount of compensation provided under this Agreement that shall not be exceeded.

Reimbursable Expenses are:

- **2.6** Payment of Taxes. Consultant is solely responsible for the payment of employment taxes incurred under this Agreement and any similar federal or state taxes.
- **2.7** <u>Authorization to Perform Services.</u> The Consultant is not authorized to perform any Services or incur any costs whatsoever under the terms of this Agreement until Consultant receives authorization to proceed from the Contract Administrator.
- **SECTION 3. FACILITIES AND EQUIPMENT.** Except as set forth herein, Consultant shall, at its sole cost and expense, provide all facilities and equipment that may be necessary to perform the Services required by this Agreement. City shall make available to Consultant only the facilities and equipment listed in this section, and only under the terms and conditions set forth herein.

City shall furnish physical facilities such as desks, filing cabinets, and conference space, as may be reasonably necessary for Consultant's use while consulting with City employees and reviewing records and the information in possession of the City. The location, quantity, and time of furnishing those facilities shall be in the sole discretion of City. In no event shall City be obligated to furnish any facility that may involve incurring any direct expense, including but not limited to computer, long-distance telephone or other communication charges, vehicles, and reproduction facilities.

SECTION 4. INSURANCE REQUIREMENTS. Before beginning any work under this Agreement, Consultant, at its own cost and expense, shall procure insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work by the Consultant and its agents, representatives, employees, and subcontractors. Consultant shall provide proof satisfactory to City of such insurance that meets the requirements of this section and under forms of insurance satisfactory in all respects to the City. Consultant shall maintain the insurance policies required by this section throughout the term of this Agreement. The cost of such insurance shall be included in the Consultant's proposal. Consultant shall not allow any subcontractor to commence work on any subcontract until Consultant has obtained all insurance required herein for the subcontractor(s) and provided evidence thereof to City. Verification of the required insurance shall be submitted and made part of this Agreement

prior to execution. Insurers shall have an AM Best rating of no less than A:VII unless otherwise accepted by the City in writing:

- 4.1 <u>Commercial General Liability (CGL)</u>: Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than \$2,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit. If Consultant's services include work within 50 feet of a railroad right of way, the Consultant shall have removed any exclusion on their liability policy limiting coverage for work near a railroad, or shall provide a Railroad Protective Liability policy in favor of the City. Limits for such coverage shall be no less than \$5,000,000.
- **4.2** Automobile Liability Insurance. ISO Form Number CA 00 01 covering any auto (Code 1), or if Consultant has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than **\$1,000,000** per accident for bodily injury and property damage.
- **4.3** <u>Workers' Compensation Insurance</u>. as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- **4.4** Professional Liability (Errors and Omissions): Insurance appropriate to the Consultant's profession, with limit no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.
- **4.5** Other Insurance Provisions. Unless otherwise specified below, all insurance policies are to contain, or be endorsed to contain, the following provisions:
- **4.5.1** Additional Insured Status. The City, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations. CGL coverage can be provided in the form of an endorsement to the Consultant's insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used). This requirement shall only apply to the CGL and Automobile Liability Insurance policies specified above.
- **4.5.2** *Primary Coverage.* For any claims related to this contract, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it. This requirement shall only apply to the CGL and Automobile Liability Insurance policies specified above.
- **4.5.3** *Notice of Cancellation.* Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City.
- **4.5.4** Waiver of Subrogation. Consultant hereby grants to City a waiver of any right to subrogation which any insurer of said Consultant may acquire against the City by virtue of the payment of any loss under such insurance. Consultant agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer. This requirement shall only apply to the

- CGL, Automobile Liability and Workers' Compensation/Employer's Liability Insurance policies specified above.
- **4.5.5** Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. The City may require the Consultant to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
- **4.5.6** Claims made policies. If any of the required policies provide claims-made coverage:
- **4.5.6.1** The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work.
- 4.5.6.2 Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
- **4.5.6.3** If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
- 4.6 Certificate of Insurance and Endorsements. Consultant shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Consultant's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
- **4.7 Subcontractors**. Consultant shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated in this Agreement, including but not limited to naming additional insureds.
- **4.8** Higher Limits. If the Consultant maintains higher limits than the minimums shown above, the City requires and shall be entitled to coverage for the higher limits maintained by the Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.
- **4.9** Special Risks or Circumstances. City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage or other special circumstances.
- **4.10** Remedies. In addition to any other remedies City may have if Consultant fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option exercise, any of the following remedies, which are alternatives to other remedies City may have and are not the exclusive remedy for Consultant's breach:

- Obtain such insurance and deduct and retain the amount of the premiums for such insurance from any sums due to Consultant under the Agreement;
- Order Consultant to stop work under this Agreement or withhold any payment that becomes due to Consultant hereunder, or both stop work and withhold any payment, until Consultant demonstrates compliance with the requirements hereof; and/or,
- Terminate this Agreement.

SECTION 5. INDEMNIFICATION AND CONSULTANT'S RESPONSIBILITIES.

- **5.1** To the fullest extent permitted by law, Consultant shall defend (with counsel reasonably acceptable to City), indemnify and hold the City, its officials, officers, employees, volunteers, and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, in any manner arising out of, pertaining to, or incident to any acts, errors or omissions, or willful misconduct of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's services or this Agreement, including without limitation the payment of all damages, expert witness fees and attorney's fees and other related costs and expenses. Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Consultant, the City, its officials, officers, employees, agents, or volunteers.
- **5.1.1** Acceptance by City of insurance certificates and endorsements required under this Agreement does not relieve Consultant from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply to any damages or claims for damages whether or not such insurance policies shall have been determined to apply.
- **5.2** By execution of this Agreement, Consultant acknowledges and agrees to the provisions of this Section and that it is a material element of consideration, and that these provisions survive the termination of this Agreement.

<u>SECTION 6.</u> <u>STATUS OF CONSULTANT.</u>

- 6.1 Independent Contractor. At all times during the term of this Agreement, Consultant shall be an independent contractor and shall not be an employee of City. City shall have the right to control Consultant only insofar as the results of Consultant's services rendered pursuant to this Agreement and assignment of personnel pursuant to Section 1.3; however, otherwise City shall not have the right to control the manner or means by which Consultant accomplishes services rendered pursuant to this Agreement. Notwithstanding any other City, state, or federal policy, rule, regulation, law, or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any and all claims to, any compensation, benefit, or any incident of employment by City, including, but not limited to, eligibility to enroll in the California Public Employees Retirement System (PERS) as an employee of City and entitlement to any contribution to be paid by City for employer contributions and/or employee contributions for PERS benefits.
- **6.2** Consultant Not Agent. Except as City may specify in writing, Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Consultant

shall have no authority, express or implied, pursuant to this Agreement to bind City to any obligation whatsoever.

<u>SECTION 7.</u> <u>LEGAL REQUIREMENTS.</u>

- **7.1 Governing Law.** The laws of the State of California shall govern this Agreement.
- **7.2** Compliance with Applicable Laws. Consultant and any subcontractors shall comply with all laws applicable to the performance of the Services.
- 7.3 Other Governmental Regulations. To the extent that this Agreement may be funded by fiscal assistance from another governmental entity, Consultant and any subcontractors shall comply with all applicable rules and regulations to which City is bound by the terms of such fiscal assistance program.
- 7.4 <u>Licenses and Permits.</u> Consultant represents and warrants to City that Consultant and its employees, agents, and any subcontractors have all licenses, permits, qualifications, and approvals of whatsoever nature that are legally required to practice their respective professions. Consultant represents and warrants to City that Consultant and its employees, agents, any subcontractors shall, at their sole cost and expense, keep in effect at all times during the term of this Agreement any licenses, permits, and approvals that are legally required to practice their respective professions. In addition to the foregoing, Consultant and any subcontractors shall obtain and maintain during the term of this Agreement valid business licenses from City.
- 7.5 <u>Mondiscrimination and Equal Opportunity.</u> Consultant shall not discriminate, on the basis of a person's race, religion, color, national origin, age, physical or mental handicap or disability, medical condition, marital status, sex, sexual orientation or any other legally protected status, against any employee, applicant for employment, subcontractor, bidder for a subcontract, or participant in, recipient of, or applicant for any services or programs provided by Consultant under this Agreement. Consultant shall comply with all applicable federal, state, and local laws, policies, rules, and requirements related to equal opportunity and nondiscrimination in employment, contracting, and the provision of any Services that are the subject of this Agreement, including but not limited to the satisfaction of any positive obligations required of Consultant thereby.

Consultant shall include the provisions of this Section in any subcontract approved by the Contract Administrator or this Agreement.

California Labor Code Requirements. Consultant is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects ("Prevailing Wage Laws"). If the services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is \$1,000 or more, Consultant agrees to fully comply with such Prevailing Wage Laws. Consultant shall defend, indemnify and hold the City, its officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. It shall be mandatory upon the Consultant and all subconsultants to comply with all California Labor Code provisions, which include but are not limited to prevailing wages (Labor Code Sections 1771, 1774 and 1775), employment of apprentices (Labor Code Sections 1813 and 1815) and

debarment of contractors and subcontractors (Labor Code Section 1777.1). The requirement to submit certified payroll records directly to the Labor Commissioner under Labor Code section 1771.4 shall not apply to work performed on a public works project that is exempt pursuant to the small project exemption specified in Labor Code Section 1771.4.

If the services are being performed as part of an applicable "public works" or "maintenance" project, then pursuant to Labor Code Sections 1725.5 and 1771.1, the Consultant and all subconsultants performing such services must be registered with the Department of Industrial Relations. Consultant shall maintain registration for the full term of this Agreement and require the same of any subconsultants, as applicable. Notwithstanding the foregoing, the contractor registration requirements mandated by Labor Code Sections 1725.5 and 1771.1 shall not apply to work performed on a public works project that is exempt pursuant to the small project exemption specified in Labor Code Sections 1725.5 and 1771.1.

This Agreement may also be subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be Consultant's sole responsibility to comply with all applicable registration and labor compliance requirements. Any stop orders issued by the Department of Industrial Relations against Consultant or any subcontractor that affect Consultant's performance of services, including any delay, shall be Consultant's sole responsibility. Any delay arising out of or resulting from such stop orders shall be considered Consultant caused delay and shall not be compensable by the City. Consultant shall defend, indemnify and hold the City, its officials, officers, employees and agents free and harmless from any claim or liability arising out of stop orders issued by the Department of Industrial Relations against Consultant or any subcontractor.

SECTION 8. TERMINATION AND MODIFICATION.

8.1 Termination. City may cancel this Agreement at any time and without cause upon written notification to Consultant.

Consultant may cancel this Agreement only for cause upon thirty (30) days' written notice to City and shall include in such notice the reasons for cancellation.

In the event of termination, Consultant shall be entitled to compensation for Services performed satisfactorily to the effective date of termination; City, however, may condition payment of such compensation upon Consultant delivering to City any or all documents, photographs, computer software, video and audio tapes, and other materials provided to Consultant or prepared by or for Consultant or the City in connection with this Agreement.

- **8.2** Extension. City may, in their sole and exclusive discretion, extend the end date of the term of this Agreement beyond that provided for in Section 1.1. Any such extension shall require a written amendment to this Agreement, as provided for herein. Consultant understands and agrees that, if City grants such an extension, City shall have no obligation to provide Consultant with compensation beyond the maximum amount provided for in this Agreement. Similarly, unless authorized by the Contract Administrator, City shall have no obligation to reimburse Consultant for any otherwise reimbursable expenses incurred during the extension period.
- **8.3** Amendments. The parties may amend this Agreement only by a writing signed by all the Parties.

- 8.4 <u>Assignment and Subcontracting.</u> City and Consultant recognize and agree that this Agreement contemplates personal performance by Consultant and is based upon a determination of Consultant's unique personal competence, experience, and specialized personal knowledge. Moreover, a substantial inducement to City for entering into this Agreement was and is the professional reputation and competence of Consultant. Consultant may not assign this Agreement or any interest therein without the prior written approval of the Contract Administrator. Consultant shall not subcontract any portion of the performance contemplated and provided for herein, other than to the subcontractors noted in the proposal, without prior written approval of the Contract Administrator.
- **8.5 Survival.** All obligations arising prior to the termination of this Agreement and all provisions of this Agreement allocating liability between City and Consultant shall survive the termination of this Agreement.
- **8.6** Options upon Breach by Consultant. If Consultant materially breaches any of the terms of this Agreement, City's remedies shall include, but not be limited to, the following:
 - **8.6.1** Immediately terminate the Agreement;
- **8.6.2** Retain the plans, specifications, drawings, reports, design documents, and any other work product prepared by Consultant pursuant to this Agreement; and/or
- **8.6.3** Retain a different consultant to complete the work described in <u>Exhibit A</u> not finished by Consultant in which case the City may charge Consultant the difference between the cost to have a different consultant complete the work described in <u>Exhibit A</u> that is unfinished at the time of breach and the amount that City would have paid Consultant pursuant to Section 2 if Consultant had completed the work.

SECTION 9. KEEPING AND STATUS OF RECORDS.

- **9.1** Records Created as Part of Consultant's Performance. All reports, data, maps, models, charts, studies, surveys, photographs, memoranda, plans, studies, specifications, drawings, records, files, or any other documents or materials, in electronic or any other form, that Consultant prepares or obtains pursuant to this Agreement and that relate to the matters covered hereunder shall be the property of the City. Consultant hereby agrees to deliver those documents to the City upon termination of the Agreement. It is understood and agreed that the documents and other materials, including but not limited to those described above, prepared pursuant to this Agreement are prepared specifically for the City and are not necessarily suitable for any future or other use.
- **9.2** Confidentiality. All reports, data, maps, models, charts, studies, surveys, photographs, memoranda, plans, studies, specifications, records, files, or any other documents or materials, in electronic or any other form, that Consultant prepares or obtains pursuant to this Agreement and that relate to the matters covered hereunder shall be kept confidential by Consultant. Such materials shall not, without the prior written permission of City, be used by Consultant for any purpose other than the performance of this Agreement nor shall such materials be disclosed publicly. Nothing furnished to Consultant which is generally known, shall be deemed confidential. Consultant shall not use the City's name or logo or photographs pertaining to the Services under this Agreement in any publication without the prior written consent of the City.

- 9.3 <u>Consultant's Books and Records.</u> Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, and other records or documents evidencing or relating to charges for Services or expenditures and disbursements charged to the City under this Agreement for a minimum of three (3) years, or for any longer period required by law, from the date of final payment to the Consultant..
- 9.4 <u>Inspection and Audit of Records.</u> Any records or documents that Section 9.2 of this Agreement requires Consultant to maintain shall be made available for inspection, audit, and/or copying at any time during regular business hours, upon oral or written request of the City. Under California Government Code Section 8546.7, if the amount of public funds expended under this Agreement exceeds Ten Thousand Dollars (\$10,000.00), the Agreement shall be subject to the examination and audit of the State Auditor, at the request of City or as part of any audit of City, for a period of three (3) years after final payment under the Agreement.
- 9.5 Intellectual Property. The City shall have and retain all right, title and interest, including copyright, patent, trade secret or other proprietary rights in all plans, specifications, studies, drawings, estimates, materials, data, computer programs or software and source code, enhancements, documents and any other works of authorship fixed in any tangible medium or expression, including but not limited to physical drawings or other data magnetically or otherwise recorded on computer media ("Intellectual Property") prepared or developed by or on behalf of Consultant under this Agreement. Consultant further grants to City a non-exclusive and perpetual license to copy, use, modify or sub-license any and all Intellectual Property otherwise owned by Consultant which is the basis or foundation for any derivative, collective, insurrectional or supplemental work created under this Agreement.

SECTION 10. MISCELLANEOUS PROVISIONS.

- **10.1** <u>Venue.</u> In the event either party brings any action against the other under this Agreement, the Parties agree that trial of such action shall be vested exclusively in the state courts of California in the County of Contra Costa or in the United States District Court for the Northern District of California.
- **10.2** Severability. If a court of competent jurisdiction finds or rules that any provision of this Agreement is invalid, void, or unenforceable, the provisions of this Agreement not so adjudged shall remain in full force and effect. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.
- 10.3 <u>No Implied Waiver of Breach.</u> The waiver of any breach of a specific provision of this Agreement does not constitute a waiver of any other breach of that term or any other term of this Agreement.
- **10.4 Successors and Assigns.** The provisions of this Agreement shall inure to the benefit of and shall apply to and bind the successors and assigns of the Parties.
- **10.5** <u>Use of Recycled Products.</u> Consultant shall prepare and submit all reports, written studies and other printed material on recycled paper to the extent it is available at equal or less cost than virgin paper.
- **10.6** Conflict of Interest. Consultant may serve other clients, but none whose activities within the corporate limits of City or whose business, regardless of location, would place Consultant in a "conflict

of interest," as that term is defined in the Political Reform Act, codified at California Government Code Section 81000 et seq.

Consultant shall not employ any official of City in the work performed pursuant to this Agreement. No officer or employee of City shall have any financial interest in this Agreement that would violate California Government Code Section 1090 *et seq.*

Consultant hereby warrants that it is not now, nor has it been in the previous twelve (12) months, an employee, agent, appointee, or official of the City. If Consultant was an employee, agent, appointee, or official of City in the previous twelve months, Consultant warrants that it did not participate in any manner in the forming of this Agreement. Consultant understands that, if this Agreement is made in violation of Government Code § 1090 et. seq., the entire Agreement is void and Consultant will not be entitled to any compensation for Services performed pursuant to this Agreement, including reimbursement of expenses, and Consultant will be required to reimburse the City for any sums paid to the Consultant. Consultant understands that, in addition to the foregoing, it may be subject to criminal prosecution for a violation of Government Code Section 1090 and, if applicable, will be disqualified from holding public office in the State of California.

- **10.7** Inconsistent Terms. If the terms or provisions of this Agreement conflict with or are inconsistent with any term or provision of any Exhibit attached hereto, then the terms and provisions of this Agreement shall prevail.
- **10.8 Solicitation.** Consultant agrees not to solicit business at any meeting, focus group, or interview related to this Agreement, either orally or through any written materials.
- 10.9 <u>Contract Administration.</u> This Agreement shall be administered by ("Contract Administrator"). All correspondence shall be directed to or through the Contract Administrator or his or her designee.

10	Notices. An	y written notice	to Consultant	shall be sent	to:

Any written notice to City shall be sent to:

[INSERT DEPARTMENT/NAME]

City of Antioch P. O. Box 5007 Antioch, CA 94531-5007

City of Antioch P. O. Box 5007 Antioch, CA 94531-5007 Attn: City Attorney **10.11** <u>Integration.</u> This Agreement, including all exhibits and other attachments, represents the entire and integrated agreement between City and Consultant and supersedes all prior negotiations, representations, or agreements, either written or oral.

CITY:	CONSULTANT:
CITY OF ANTIOCH	[NAME OF CONSULTANT]
	Ву:
Rowland E. Bernal, Jr. City Manager	Name:
Attest:	Title:
	By:
Elizabeth Householder, City Clerk	Name:
Approved as to Form:	Title:
Thomas Lloyd Smith, City Attorney	

[Two signatures are required for a corporation or one signature with the corporate bylaws indicating that one person can sign on behalf of the corporation]

EXHIBIT A SCOPE OF WORK

EXHIBIT B PAYMENT SCHEDULE