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Phase II Environmental Site Assessment and Aerially Deposited Lead Survey Report

13th Street Bridge Project

13th Street Crossing Over Santa Maria Creek at Maple Street and Walnut Street Ramona, Unincorporated County of San Diego, California

April 15, 2021

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County of San Diego Department of Public Works

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PHASE II ENVIRONMENTAL SITE ASSESSMENT AND AERIALLY DEPOSITED LEAD SURVEY REPORT

13th STREET BRIDGE PROJECT,

13TH STREET CROSSING OVER SANTA MARIA CREEK AT MAPLE STREET AND WALNUT STREET

RAMONA, CALIFORNIA

This Phase II Environmental Site Assessment and Aerially Deposited (ADL) Lead Survey Report for the proposed 13TH Street Bridge project, located at 13th Street Crossing Over Santa Maria Creek at Maple Street and Walnut Street in the unincorporated County of San Diego, California, was prepared by AECOM, in partnership with The Bodhi Group, on behalf of the County of San Diego Department of Public Works (DPW), Environmental Services Unit (ESU) in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, geologists, and environmental scientists. This report was prepared under the technical direction of the undersigned.

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List of Acronyms and Abbreviations

µg/L	micrograms per liter
ABC	ABC Liovin Drilling, Inc.
ADL	Aerially Deposited Lead
AECOM	AECOM Technical Services, Inc.
APN	Assessor's Parcel Number
Belshire	Belshire Environmental Services, Inc.
bgs	below ground surface
CA Barricade	California Barricade, Inc.
Caltrans	California Department of Transportation
CIH	Certified Industrial Hygienist
COC	chain-of-custody
County	County of San Diego Department of Public Works
DEH	Department of Environmental Health
DGS	County of San Diego Department of General Services
DMC	de-minimis condition
DOT	Department of Transportation
DPW	County of San Diego Department of Public Works
DTSC	Department of Toxic Substance Control
ELAP	Environmental Lab Accreditation Program
EM	electromagnetic
ESA	Environmental Site Assessment
ESU	County of San Diego DPW Environmental Services Unit
Eurofins	Eurofins Calscience
FHWA	Federal Highway Administration
GPR	ground penetrating radar
GPS	Global Positioning System
HASP	Health and Safety Plan
HSA	hollow-stem auger
IDW	investigation-derived waste
ISA	Initial Site Assessment
kg	kilogram
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
PDCI	County of San Diego DPW Private Development Construction Inspection
MCL	Maximum Contaminant Level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MS	Matrix Spike
MSD	Matrix Spike Duplicate
OCP	organo-chlorine pesticide
PCB	polychlorinated biphenyl

PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
ROW	right-of-way
SAM	San Diego DEH Site Assessment and Mitigation
SanGIS	San Diego Geographic Information Source
SF RWQCB	San Francisco Regional Water Quality Control Board
SSS	Subsurface Surveys & Associates, Inc.
STLC	soluble threshold limit concentration
SVOC	semi-volatile organic compound
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon
TTLC	total threshold limit concentration
US EPA	United States Environmental Protection Agency
USA	Underground Service Alert
USCS	Unified Soil Classification System
VOC	volatile organic compound
WET	waste extraction test

1 Introduction

This Phase II Environmental Site Assessment (ESA) and Aerially Deposited Lead (ADL) survey report, prepared by AECOM Technical Services, Inc. (AECOM), provides a summary of the subsurface investigation conducted by AECOM and their partnering firm, The Bodhi Group (Bodhi Group), on behalf of the County of San Diego (County) Department of Public Works (DPW), Environmental Services Unit (ESU). This work was completed for the proposed 13th Street Bridge Project, located in the unincorporated community of Ramona, in northeastern San Diego County, California (see Figure 1).

The proposed project will consist of improvements to 13th Street/Maple Street between Main Street and Walnut Street and construction of a bridge over Santa Maria Creek to replace the existing corrugated steel culvert. The bridge and approaches would include two 12-foot-wide travel lanes; 3-foot shoulders on each side; and an approximately 8-foot-wide multi-use pathway to accommodate pedestrians, bicyclists, and equestrians. In addition, three bridge barriers with a total width of approximately 4 feet, consisting of two edge deck rails and one pedestrian barrier, would be installed to separate pathway users from the travel lane and creek. The pathway across the bridge would connect to the existing southern segment near the Ramona Library and transition users across the bridge to existing and planned facilities north of the bridge. The new bridge would be elevated by approximately 10 feet to convey a 100-year storm event based on County and Federal Emergency Management Agency standards. The new bridge would be a 4-span cast-in-place pre-stressed, post-tensioned concrete box girder structure, approximately 480 feet long and approximately 42 feet wide with three singular column bents and two abutments. Storm drain systems are proposed directly to the north and south of the bridge to capture runoff and direct it toward the existing creek. Permeable pavement areas would be incorporated into the project as Green Street features to facilitate meeting water quality requirements and for stormwater management. An existing bioretention basin located south of the bridge that currently treats stormwater from the library and associated parking lot would be redesigned to continue treating those existing areas in addition to the proposed paved roads south of Santa Maria Creek.

This report presents the environmental findings of the investigation conducted within the boundary of the proposed construction areas associated with this project, with a focus on areas where soil will be disturbed for grading, installation of bridge footings, or other project-related construction activities. The Phase II ESA and ADL survey consisted of completing 12 soil borings, collecting soil samples at discrete depths for the purposes of subsurface contaminant characterization, and limited groundwater sampling. The soil boring locations and sampling depths were selected to evaluate shallow impacts from ADL, if any, and to assess for impacts on select adjacent properties identified as potentially "high-risk" in AECOM's May 2020 Initial Site Assessment (ISA; AECOM 2020a). This investigation was completed in general accordance with AECOM's December 2020 Work Plan, which was approved by the County DPW ESU and California Department of Transportation (Caltrans) on December 7, 2020 (AECOM 2020b).

1.1 Objectives

AECOM and The Bodhi Group conducted this Phase II ESA and ADL survey based on recommendations made in AECOM's May 2020 ISA (AECOM 2020a), and as requested by the Caltrans internal memorandum to Mr. Kevin Hovey dated July 6, 2020 (Caltrans 2020). The objective of both the Phase II ESA and the ADL survey was to provide data to evaluate management of potentially impacted soil and groundwater generated or disturbed during proposed project construction activities and to evaluate worker exposure and health issues to potentially hazardous concentrations of lead or other contaminants. The data collected were used to assess the potential for on-site reuse of disturbed soil and to profile waste soil within Federal Resource Conservation and Recovery Act (RCRA) and California State waste classification criteria for disposal. The ADL survey portion of this investigation was conducted in general accordance with Caltrans ADL guidelines, although the project is not covered under an existing ADL agreement between Caltrans and the California Department of Toxic Substances Control (DTSC).

2 Proposed Project Background

2.1 Site Description

The proposed project area consists of an approximate 1,890-linear foot section of 13th and Maple Streets and an approximate 980 linear-foot section of Walnut Street and is known as the proposed 13th Street Bridge Project. The proposed project area is located along portions of 12 contiguous parcels of land on 13th, Maple, and Walnut Streets, with portions of the eastern-adjoining properties adjacent to the southern end of 13th Street included within the proposed project area boundary. The proposed project area crosses Santa Maria Creek, south of Walnut Street. The proposed project will primarily be within the County's right-of-way (ROW); however, drainage improvements on both sides of the road will extend onto the adjoining properties. Additionally, portions of the vacant parcels adjacent to the southeastern side of 13th Street are planned for use as a temporary construction staging and laydown area and a temporary construction access route. The proposed project area footprint is shown in Figure 2.

There is no physical address for the proposed project area, and the majority of the proposed project is located within the County ROW. According to the County, these sections of 13th, Maple, and Walnut Streets are County maintained and there are no Assessor's Parcel Numbers (APNs) specifically listed for the roadways. The portion of Walnut Street east of 13th/Maple Streets is unpaved and is not shown as a County-maintained roadway in County mapping records. Portions of the proposed project area extend onto the adjacent parent parcels on both sides of these sections of the roadway, and specific ownership of these parent parcels was provided in Section 2.4, Table 1 of AECOM's May 2020 ISA (AECOM 2020a). The proposed project area footprint is shown on the site plan provided in the attached Figure 2 and includes the associated APNs and ownership information for the parent parcels. AECOM notes that although APNs 28118217 and 28118218 are shown as owned by Russel Family Trust according to the San Diego Geographic Information Source (SanGIS), DPW has indicated these parcels were purchased by the County of San Diego Department of General Services (DGS) in mid-2020. However, the available 2021 SanGIS parcel database has not yet been updated to reflect this change.

2.2 Summary of previous investigations

A Caltrans ISA was initiated by AECOM in early 2018 and was updated and finalized in May 2020. The following recognized environmental conditions (RECs) were identified in the ISA:

- Since the early to mid-1990s, a vehicle salvage yard has operated at 156 Maple Street. It is AECOM's understanding that deep borings, associated with installation of the proposed bridge footings, will be required adjacent to (east of) this property during construction of the proposed project; therefore the potential to encounter impacted deeper soils and groundwater exists in this area.
- A sewage disposal facility was present adjacent to the northeastern portion of the proposed project area for approximately 30 years. It is AECOM's understanding that deep borings, associated with installation of the proposed bridge footings, will be required downgradient of this property, near the northeastern corner of the intersection with Maple and Walnut Streets. Therefore, the potential to encounter impacted deeper soils and groundwater exists in this area.

Further, should dewatering be conducted as part of future construction activities and impacted groundwater is present in this area, residual impacts could potentially be pulled toward the proposed project area.

In addition to these RECs, the following de-minimis conditions (DMCs) were identified in the ISA; Caltrans requested further evaluation of these DMCs in their July 2020 internal memorandum:

- The majority of the proposed project area was likely utilized as agricultural land between the 1940s through the early 1970s. Based on this, there is the potential for pesticides, herbicides, and/or fertilizers to have been applied to soils within the proposed project area.
- The potential for surficial impacts from ADL resulting from the historical use of leaded gasoline exists in the proposed project area.

Based on these findings, Mr. Brent Berge of Caltrans submitted a memorandum dated July 6, 2020, to Mr. Kevin Hovey, the Federal Highway Administration (FHWA) local assistance liaison overseeing this proposed project, and identified the following concerns:

- A hazardous waste concern for this project is aerially deposited lead (ADL). Elevated concentrations of ADL are common in the soil adjacent to State highways and can also be found underneath some existing road surfaces due to past construction activities. The project will result in excess soil that cannot be reused within the work limits and needs to be transported and disposed of in accordance with all applicable environmental laws and regulations. The County of San Diego (County) DPW, ESU is responsible for proper identification (including sampling and analysis) and management of the excess soils that are removed and/or excavated from the work site. It is the County DPW, ESU's responsibility to comply with the DTSC ADL requirements for roadway soil management.
- A lead compliance plan, prepared by a Certified Industrial Hygienist (CIH), shall be prepared and implemented for all workers handling the soil.
- A Phase II investigation shall be conducted to characterize soil and groundwater conditions in the vicinity of both the former sewage disposal facility and former auto salvage yard.
- If groundwater will be generated which would require disposal or other handling, then a dewatering study shall be conducted.
- A site-specific health and safety plan(s) shall be prepared prior to and implemented during subsurface investigative field activities. After completion of Phase II investigation, results should be summarized in site investigation report.

2.3 Potential Lead Soil Impacts

Many transportation improvement projects require the establishment of procedures to assess and manage ADL present as a result of historical particulate emissions that contained lead. The need to manage ADL-impacted soil is based on the historical use of tetraethyl lead, which was added to gasoline until the mid-1980s. Particulate emissions in leaded gasoline exhaust contain lead, and, over time, lead has been deposited adjacent to roadways. The level of lead now found along a given roadway is closely related

to the roadway's age, traffic volume, distance of the soil from the paved surface, and depth below ground surface.

Statewide testing by Caltrans has shown that ADL exists in soil along major highway routes as a result of vehicle exhaust containing lead from the combustion of leaded gasoline. The concentration and distribution of ADL in soil is a function of many variables, but, in general, highway age and traffic volume appear the primary factors.

2.4 Site Screening Levels

Data collected from the Phase II investigation will be used to classify excavated soil either for reuse of soil within the proposed project area or for off-site disposal, and to evaluate construction worker safety. The following sections provide a discussion of the screening criteria considered as part of this investigation.

2.4.1 Hazardous Waste Criteria

Impacted soils may be classified as hazardous waste or potentially represent an occupational safety and health risk, therefore, they are regulated at both the federal and state levels. The regulatory criteria used to classify a waste as "California hazardous" for handling and disposal purposes are listed in Title 22, Section 66261.24 of the California Code of Regulations. The criteria used to classify a waste as "RCRA hazardous" are listed in Title 40, Section 261 of the Code of Federal Regulations.

When using the toxicity criteria for evaluating waste classification, waste is classified as California hazardous when the total concentration exceeds the respective total threshold limit concentration (TTLC), or when the soluble concentration exceeds the respective soluble threshold limit concentration (STLC) when analyzed by the waste extraction test (WET).

Soluble concentrations of a chemical can theoretically exceed the STLC when the total concentration is greater than or equal to 10 times the STLC criterion, because the STLC method uses a 1:10 dilution ratio. For example, the TTLC criterion for lead is 1,000 milligrams per kilogram (mg/kg) and the STLC criterion is 5 milligrams per liter (mg/L). Thus, the minimum threshold for the WET analysis for STLC comparison is a total concentration of 50 mg/kg (10 times the STLC criterion).

A material is classified as RCRA hazardous, or federal hazardous, when the soluble concentration exceeds the federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP). For example, the TCLP criterion for lead is 5.0 mg/L. A waste may contain soluble lead above the TCLP when the total lead concentration is greater than or equal to 20 times the respective TCLP criterion, because the TCLP method uses a 1:20 dilution ratio. The minimum threshold for the TCLP analysis is 100 mg/kg (20 times the TCLP criterion).

2.4.2 Health Risk and Soil Reuse

In addition to the hazardous waste criteria discussed above, the soil and groundwater data collected during this Phase II ESA was screened against the Environmental Screening Levels (ESLs) published by the San Francisco Regional Water Quality Control Board (SF RWQCB 2019). The ESLs are a comprehensive set of screening levels that are protective of human health and the environment under varying conditions of

land use, groundwater use, and habitats. Based on the objectives of the Phase II investigation, the ESLs for direct exposure to human health were used to screen the following scenarios:

- Soil Reuse Criteria (ESL Table S-1: Residential Shallow Soil Exposure). Excavated surplus soil that is classified as nonhazardous may be reused in the project area if concentrations are below the respective ESL. AECOM notes that, in the special case of ADL-impacted soil, the DTSC uses their residential soil screening value of 80 mg/kg (DTSC 2020), which is also the value of the lead ESL for residential soil.
- Protection of Construction Workers (ESL Table S-1: Construction Work: Any Land Use/Any Depth Soil Exposure). These ESLs will be used to screen for the protection of construction workers who may be potentially exposed to contaminated soil and groundwater (if present) during excavation and construction activities.
- Groundwater (California Maximum Contaminant Level [MCL]). Groundwater in the project area would not be considered drinking water during construction; however, since there is no ESL for construction worker safety for groundwater, the California MCL for drinking water was selected as an appropriate screening level to evaluate human health risk in the event groundwater is encountered during construction. Due to the limited nature of this investigation, no other screening criteria was considered. Further evaluation of groundwater would be necessary to characterize options either for on or off-site disposal.

2.5 Purpose and Scope of Work

The purpose of this Phase II ESA and ADL survey was to obtain information on the presence or absence of contamination in soil and groundwater near the proposed bridge footings, and to assess surficial soils within the proposed project area for the presence or absence of lead and pesticides. The scope of work implemented as part of this Phase II ESA and ADL survey included the following elements:

- Prepared a Phase II ESA and ADL Survey Work Plan, which described anticipated field investigation techniques, identified proposed soil boring locations, provided a description of laboratory analytical methods, and presented a proposed schedule for this work. The Work Plan was included as an attachment in AECOM's Health and Safety Plan (HASP), described in the following dot point.
- Prepared a site-specific HASP that included recommended levels of personal protective equipment to be used during the field activities and general health and safety considerations for field personnel.
- Submitted a County of San Diego Department of Environmental Health (DEH) Land and Water Quality Division, Monitoring Well Program Boring Construction Permit (Permit No. LWMP-004770) for the two deep soil borings.
- Submitted a County of San Diego Department of Public Works (DPW) Private Development Construction Inspection (PDCI) Excavation Permit (Permit No. DPW2020-RWEXCP-73944) and DPW Traffic Engineering Section Traffic Control Permit (permit No. DPW2020-RWTCP-01442) for work to be completed within the County ROW.

- Identified and field located the 12 proposed soil boring locations to be completed during the investigation.
- Conducted subsurface utility locating and a ground penetrating radar (GPR) survey to identify potential buried utilities in the vicinity of the two proposed deep soil borings that were completed using a hollow-stem auger (HSA) drill rig.
- Contacted Underground Service Alert (USA), to delineate buried utilities at all proposed boring locations.
- Procured qualified traffic control, drilling, and analytical laboratory subcontractors.
- Mobilized to the site and drilled two deep soil borings using an HSA, hand augered an additional 10 soil borings to a depth of up to 3 feet below ground surface (bgs), and installed temporary groundwater monitoring wells in the two deep soil borings. Upon completion of soil and groundwater sampling, the temporary well materials were removed from the two deep soil borings, and these borings were backfilled using a grout and bentonite mixture, per the County of San Diego DEH boring permit. The shallow soil borings were backfilled using granular, hydrated bentonite. All borings were capped with a sand and gravel mixture to match existing ground cover.
- Submitted the soil samples for analytical laboratory evaluations followed by data summarization and evaluation.
- Containerized all soil, groundwater, and decontamination fluids generated during the Phase II ESA and ADL survey for off-site disposal.
- Prepared this Phase II ESA and ADL Survey report.

3 Investigation Methodology

The following section includes a description of methods used during this Phase II ESA and ADL survey, including pre-field activities, drilling and soil sampling methods, laboratory analysis, and management of investigation derived waste (IDW). All soil boring locations are shown in Figure 2.

3.1 Pre-Field activities

3.1.1 Health and Safety Plan

Prior to conducting the field investigation, AECOM prepared a HASP for use by AECOM personnel and its subcontractors. All field personnel were required to implement the procedures presented in the HASP while conducting on-site fieldwork. Site investigation personnel reviewed the HASP prior to commencing fieldwork, and daily safety briefings were conducted prior to commencement of all work to identify any potential physical and chemical hazards and outlined measures to be taken in the event of an emergency.

3.1.2 Permit Preparation

In accordance with the County of San Diego DEH Site Assessment and Mitigation (SAM) Division requirements for completion of soil borings at depths greater than 20 feet bgs and/or soil borings that are expected to be drilled into groundwater, AECOM submitted a soil boring and temporary monitoring well permit through the DEH Land and Water Quality Division, Monitoring Well Program for approval. Permit No. LWMP-004770 was approved by DEH on November 13, 2020. In accordance with the DEH boring permit requirements, a 60-day soil boring report was submitted to the DEH on February 24, 2021. A copy of the report text and permit No. LWMP-004770 is provided in Appendix A.

Due to work to be completed within the County ROW, and the expectation that work may interfere with traffic, AECOM was required to complete an Excavation Permit and Traffic Control Permit package for submittal to and approval by the County DPW PDCI. The Excavation Permit (permit No. DPW2020-RWEXCP-73944) included an environmental questionnaire and financially responsible party agreement to be set up between the County DPW PDCI and County DPW ESU. This permit was approved by the County DPW PDCI on December 16, 2020. The Traffic Control Permit (permit No. DPW2020-RWTCP-01442) included a Traffic Control Plan, which was prepared by California Barricade, Inc. (CA Barricade). The Traffic Control Permit was approved by the County DPW Traffic Engineering Section on December 10, 2020. A copy of this permit package is included in Appendix B.

3.1.3 Utility Clearance and Geophysical Survey

AECOM partnered with the Bodhi Group to conduct underground utility locating and geophysical surveys. These utility surveys were conducted by Subsurface Surveys & Associates, Inc. (SSS), a private utility locating service. SSS performed a subsurface survey in the vicinity of the two proposed deep soil borings (SB-05 and SB-08), as well as one of the proposed shallow soil borings (SB-09) due to the proximity of visible utility vaults/manholes in this area. A combination of GPR, magnetometry, and electromagnetic

induction (EM) were used to locate utilities in these areas. Based on the findings of the survey conducted, no utilities were found in the work area that required relocation of any of the planned borings. A copy of the final report generated by SSS is provided as Appendix C.

USA was also notified at least 48 hours in advance of field investigation activities. USA notified individual utilities to mark the locations of subsurface utilities in the vicinity of the proposed borings.

3.2 Drilling and Soil Sampling

Drilling and soil sampling activities were conducted by ABC Liovin Drilling, Inc. (ABC) and overseen by an AECOM and/or Bodhi Group field geologist on January 8, 2021. Prior to conducting soil sampling activities, traffic control was set up at each location in accordance with the Traffic Control Permit included in the County DPW PDCI Excavation Permit (Appendix B).

A total of 12 soil borings were completed during this investigation, and 42 soil samples and two groundwater samples were collected. The borings were placed in the approximate locations shown in Figure 2 of AECOM's December 2020 Work Plan; however, some locations were adjusted slightly to ensure the work was completed in the roadway shoulder. Borings SB-02 and SB-03 were placed on opposite sides of the street than originally planned, as a layer of asphalt was identified in the original location of SB-03. This change is relatively minor and does not affect the overall site coverage of the work. Surface vegetation (e.g., native grasses/forbs and landscaping plants) at each boring location was removed before boring/sampling activities. Two soil borings (SB-05 and SB-08) were completed using a high-torque rubber track-mounted limited access HSA drill rig, and the other 10 soil borings were completed using a hand auger. The two deep soil borings were also hand augered to a total depth of approximately 5 feet bgs to complete borehole clearance activities. The two deep soil borings were advanced to a total depth of approximately 19 feet bgs (SB-05) and 25 feet bgs (SB-08). Soil boring SB-12 was completed to a total depth of approximately 1.5 feet bgs, and the remaining borings were completed to a total depth of 3 feet bgs. The surface at all locations was finished with gravel and/or earthen material.

Shallow soil samples were collected from all soil borings at depths of 0 to 0.5 feet bgs, 1 to 1.5 feet bgs, and 2.5 to 3 feet bgs. Soil samples were collected directly from the auger barrel upon reaching the target sample depth and were placed into a new, resealable plastic bag. The soil was field homogenized in the sample bag, and the soil was then transferred to a laboratory-supplied 8-ounce glass jar. The samples collected from 2.5 to 3 feet bgs were placed on hold at the laboratory, pending results of the shallow samples. Samples from these depths were collected for the purposes of the ADL screening, and to determine the presence or absence of pesticides/herbicides in select locations.

The soil samples collected from 5 feet bgs in the two deeper borings were also collected from the hand auger bucket. Soil samples collected at depths greater than 5 feet bgs were collected using a 2-inch split spoon sampler. Soil samples were collected from the split spoon sampler in approximate 5-foot intervals, and an additional soil sample was collected approximately 1 to 2 feet above groundwater at each location. Soil samples collected at depths of 5 feet and greater were collected for the purposes of subsurface characterization downgradient of the auto salvage yard (SB-05) and historical sewage disposal facility (SB-08).

All soil samples were identified by the soil boring number and sample depth (i.e., SB01-0-0.5). Groundwater samples were identified by the corresponding soil boring number and ended in "GW" (i.e., SB-05-GW). All samples were placed in an insulated cooler with ice for storage until they were transported to the analytical laboratory via courier service under chain-of-custody (COC) protocols.

During HSA drilling and sampling activities, a photo-ionization detector (PID) was used to monitor for the potential presence of total organic vapors in the soils encountered. The PID was calibrated using a 100 parts per million (ppm) isobutylene gas at the beginning of the workday. Headspace analyses of the soils encountered were conducted by placing soil collected from each sampling depth into a resealable plastic bag. Soil within the sealed plastic bag was then shaken in the bag to volatilize any volatile organic compounds (VOCs) that may be present. The probe of the PID was then inserted into the bag to measure detectable concentrations of total organic vapors. Since VOCs were not a concern in the shallow hand auger borings, these soil samples were not screened using a PID.

During fieldwork, the field geologist continually logged soils encountered in general accordance with the Unified Soil Classification System (USCS); total organic vapor concentrations; sampling information; and other observations such as unusual odors, soil discoloration, color, and grain size were noted on the logs. Soil boring logs are provided in Appendix D.

3.2.1 Groundwater Sampling

Groundwater was encountered in the two deep soil borings completed during the Phase II ESA. Groundwater was encountered at approximately 12 feet bgs in SB-05 and approximately 19 feet bgs in SB-08. Temporary well materials constructed of 2-inch schedule 40 polyvinyl chloride (PVC) casing were installed at each boring location to facilitate groundwater collection. Approximately 10 feet of 0.01-inch slotted well screen with a filter sock was used in each temporary well, and the temporary wells were completed with solid riser pipe to grade. Groundwater was allowed to equilibrate after the well materials were placed in the borings, and the field geologist returned to each well to collect groundwater in laboratory-supplied jars using a 2-inch disposable bailer. Upon completion of groundwater sample collection, the temporary well materials were removed and the soil borings were backfilled using a Portland cement and hydrated bentonite chip mixture.

3.2.2 Equipment Decontamination

Non-disposable equipment was decontaminated to eliminate the potential for cross-contamination; reduce the risk that contaminants may be carried off-site; and remove other contaminants from external sources, such as engine exhaust and/or corroded surfaces. Decontamination activities were conducted in a designated area within the County ROW, located in the shoulder area on the north side of Walnut Street (approximately 100 feet north of Santa Maria Creek), just east of the intersection with Maple Street within the boundaries of the proposed project area. Decontamination liquids were collected in 5-gallon buckets until being transferred into Department of Transportation (DOT)-approved 55-gallon drums (see Section 3.2.3). Split-spoon sampling equipment was washed using a dilute trisodium phosphate solution (Alkanox®) and triple rinsed in distilled water.

3.2.3 Investigation-Derived Wastes

Sampling and equipment decontamination wastewater along with drill cuttings generated from drilling and advancing hand auger borings were transferred into a labeled, DOT-approved 55-gallon drum. A total of two drums were generated during this investigation activities. At the end of the workday, ABC brought the 55-gallon drums to the County of San Diego DPW Road Station at 116 5th Street in Ramona, where they remained temporarily, pending waste characterization, profiling, shipping, and ultimately disposal at a licensed waste disposal facility. Each drum was secured and labeled with information pertaining to the drum contents, date of generation, expected hazard class, and contact information. The drums were picked up by Belshire Environmental Services, Inc. (Belshire) on March 2, 2021, and transported to Soil Safe of California in Adelanto, California, where they were disposed of as nonhazardous waste. A copy of the waste manifest is provided in Appendix E.

3.2.4 GPS Surveying

The location of the completed soil boring locations were recorded using a hand-held Garmin Global Positioning System (GPS) unit using State Plane 83 coordinates and TerraSync™ software. As discussed in Section 3.2, some boring locations had to be adjusted slightly. Table 1 provides the latitude/longitude coordinates of the boring locations.

3.2.5 Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures conducted during field activities included decontamination of sampling equipment before and after each boring location, and before each sample was collected; single use of new, resealable plastic bags, soil jars, and groundwater sampling jars; and sample COC documentation. The hand auger and split-spoon sampling equipment was decontaminated before and after being used at each boring location and prior to sample collection. Field QA/QC samples included equipment rinsate and trip blank samples.

3.3 Analytical Program

3.3.1 Laboratory Analytical Methods

Laboratory analytical methods for the Phase II ESA are summarized in this section, and analytical results are summarized in Section 4 and in the attached tables (Tables 2 and 3) where they are differentiated by the suite of analyses. All shallow soil collected from the hand auger locations were analyzed for total lead, and select locations were analyzed for organo-chlorine pesticides (OCPs). Soil samples collected from 5 feet bgs and deeper were analyzed for VOCs by United States Environmental Protection Agency (US EPA) Method 8260B, semi-volatile organic compound (SVOCs) by US EPA Method 8270, CAM 17 Metals by US EPA Method 6010B/7471A, polychlorinated biphenyls (PCBs) by US EPA Method 8082, OCPs by US EPA Method 8081A, and the full range of total petroleum hydrocarbon (TPH) by US EPA Method 8015B. Groundwater samples were analyzed for VOCs by US EPA Method 8260B and the full range of TPH by US EPA Method 8015B. Soil and groundwater samples were submitted to Eurofins Calscience (Eurofins) of

Irvine, California, an Environmental Lab Accreditation Program (ELAP) state-certified fixed-based laboratory. Copies of the laboratory analytical reports are provided in Appendix F.

3.3.2 Laboratory Quality Assurance/Quality Control

Soil and groundwater samples collected during the Phase II ESA and ADL survey were analyzed in a manner consistent with US EPA-accepted protocols and within accepted QA/QC parameters (e.g., method detection limits and reporting limits).

Laboratory QA/QC samples included method blanks, laboratory control samples (LCSs), and Matrix Spike (MS) and Matrix Spike Duplicates (MSDs).

4 Soil and Groundwater Results

This section presents a summary of the field observations and analytical laboratory results for soil and groundwater samples collected during this Phase II ESA and ADL survey. Laboratory analytical results for the detected chemical constituents in soil samples analyzed are summarized in Table 2, and laboratory analytical results for the detected chemical constituents in groundwater samples analyzed are presented in Table 3. Only detected compounds are shown in the summary tables. The analytical laboratory reports, which include a summary of all compounds and associated detection limits, as well as the COC documentation, are presented in Appendix F.

4.1 Observed Lithology

Subsurface soil conditions observed during the field investigation were predominantly silty-sands with gravel, medium to coarse sands, and trace amounts of mica in some borings. Small amounts of asphalt were observed in the upper approximate 2 to 3 feet bgs in soil borings SB-02 and SB-05. Trace pieces of crushed concrete were observed between 2 to 3 feet bgs in SB-07. Deeper soils observed in SB-08 included silty clays with gravel and decomposed granite between approximately 15 to 20 feet bgs. No odors, discoloration, or staining indicative of a release was observed during the collection of any soil samples. No PID readings were recorded at any depth in SB-05 or SB-08 and PID readings were generally less than 1 ppm.

Groundwater was encountered at approximately 12 feet bgs in SB-05 and approximately 19 feet bgs in SB-08. No sheen or odors were observed in either of the groundwater samples collected during this investigation. Boring logs from this investigation are provided in Appendix D.

4.2 Soil Analytical Results

A summary table of detected compounds in soil is presented in Table 2. As discussed in Sections 2.3 and 2.4, the data were compared to the SF RWQCB Table S-1 ESLs for Residential Shallow Soil Exposure and Construction Worker, Any Land Use/Any Depth Soil Exposure. A discussion of analytical results is provided below.

Two VOCs (methylene chloride and styrene) were detected in select soil samples collected from SB-05 and SB-08. Methylene chloride, a common laboratory contaminant, was detected in the soil samples collected between 4.5 to 14.5 feet bgs in SB-05, and between 4.5 to 10 feet bgs in SB-08 at concentrations that were several orders of magnitude below the Table S-1 ESLs for this compound. Styrene was also detected in the sample collected from 4.5 to 5 feet bgs in SB-08 at several orders of magnitude below the Table S-1 ESLs for that compound. No other VOCs were detected above laboratory detection limits in the soil samples collected.

TPH in the motor oil range was detected at 222 mg/kg in the sample collected from 5 feet bgs in SB-05, which is two orders of magnitude below the Table S-1 ESLs for TPH in this range. TPH in the motor oil

range was not detected in any other soil sample collected. TPH in the gasoline and diesel ranges was not detected in any soil sample collected during this investigation.

Low concentrations (i.e., below the laboratory detection limits and/or Table S-1 ESLs) of select OCPs, including 4,4-DDE, 4,4-DDT, chlordane, dieldrin, endrin aldehyde, and/or gamma-chlordane, were detected the shallow (0 to 0.5 and 1.5 to 2 feet bgs) samples collected from SB-02 (1 to 1.5 feet bgs), SB-05 (0 to 0.5 and 1.5 to 2 feet bgs), SB-06 (0 to 0.5 and 1 to 1.5 feet bgs), SB-07 (0 to 0.5 feet bgs), and SB-12 (0 to 0.5 feet bgs). The concentrations of all OCPs detected were at least 1 to 4 orders of magnitude below their respective Table S-1 ESLs.

Lead was detected in at least one soil sample from all borings where lead was analyzed during this investigation (SB-01 through SB-11). The highest concentration of lead detected was 29.6 mg/kg in the 1 to 1.5-foot bgs sample collected from SB-07. In general, the lead concentrations detected in other borings ranged 1.13 mg/kg to 16.8 mg/kg, where detected. None of the concentrations detected were above the Residential Shallow Soil ESL/DTSC residential soil screening value of 80 mg/kg. In addition, none of the detected concentrations of lead were above any of the hazardous waste screening criteria discussed in Section 2.4.1 (i.e., STLC = 50 mg/kg, TCLP = 100 mg/kg, or TTLC = 1,000 mg/kg); therefore, no STLC, TCLP, or TTLC analysis was performed on any sample for lead. Based on the low concentrations of lead detected during this investigation, AECOM and the Bodhi Group determined that ADL has not affected soil in the proposed project area, and a statistical analysis of lead was not deemed necessary.

The concentrations of other metals detected in the deeper samples (i.e., greater than 3 feet bgs) collected from SB-05 and SB-08 were generally below their respective Table S-1 ESLs, and were consistent with background concentrations. The concentration of arsenic detected in two of the deeper samples (i.e., greater than 3 feet bgs) collected from SB-05 and one of the deeper samples collected from SB-08 exceeded both the Residential and Construction Worker ESLs of 0.07 mg/kg and 0.98 mg/kg, respectively. The highest concentration of arsenic detected was 3.55 mg/kg in SB-08 (9.5 to 10 feet bgs). Although the concentrations of arsenic detected in these samples exceeded the Table S-1 ESLs, the concentrations detected are well below the widely used and accepted DTSC background concentration of 12 mg/kg (DTSC 2008). Therefore, the concentration of arsenic and all other metals detected in soil samples collected during this investigation can be considered consistent with and/or below background concentrations.

No SVOCs or PCBs were detected at any depth in any sample collected.

4.3 Groundwater Analytical Results

A summary table of detected groundwater sample results is presented in Table 3. A comparison of the groundwater sample analytical results was made to the California MCLs. A summary discussion of the groundwater analytical results is provided below.

No VOCs were detected in either groundwater sample collected during this investigation, and TPH was not detected in the gasoline, diesel, or motor oil ranges in the groundwater sample collected from SB-05. TPH in the diesel range was detected at 243 micrograms per liter (µg/L) in the groundwater sample collected from SB-08 (SB-08-GW), and in the motor oil range at 154 µg/L. TPH in the gasoline range was not

detected in the groundwater sample collected from SB-08. There is no California MCL established for TPH in any range. TPH is not a regulated constituent under state or RCRA waste disposal guidelines.

4.4 Data Validation

As shown by the laboratory reports in Appendix F, standard laboratory QA/QC data validation was performed for all sample analysis data by Eurofins. An AECOM chemist conducted a limited data validation for 29 soil samples, two water samples, one equipment blank, and one trip blank. These samples were collected on January 8, 2021.

Eurofins, a California-certified laboratory, conducted the analyses. The data were reviewed in accordance with AECOM Standard Operating Procedures and the principles presented in US EPA *Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review* (US EPA 2017). The limited QA/QC validation included a review of the following parameters/criteria in order to evaluate data quality and usability:

- Overall assessment
- Data completeness
- Holding time and preservation
- Method blanks
- System Monitoring Compounds (surrogates)
- Laboratory Control Samples/Laboratory Control Sample Duplicates (LCSs /LCSDs)
- Matrix Spike/Matrix Spike Duplicates (MS/MSDs)
- Field duplicates
- Analyte identification and quantitation

All samples were analyzed as requested and all holding times were met. Due to matrix interference, the results for 2,6-dichlorophenol, aniline, pyridine, benzoic acid, and barium for one sample were qualified as estimated ("UJ/J+"); and the result for 2,4-dinitrophenol for one sample was rejected ("R"). No other data were qualified. Overall, based on the limited validation covering the QC parameters listed above, with the exception of the rejected data, the data as qualified are usable for their intended purpose. A copy of the data validation memorandum is provided in Appendix G.

5 Conclusion and Recommendations

5.1 Conclusions

Based on the results of this Phase II ESA and ADL survey, the following conclusions have been reached:

- Based on the analytical data collected during this investigation, the proposed project area does not appear to have been impacted by ADL, and concentrations of lead detected were below the DTSC residential soil exposure limit of 80 mg/kg as well as the Table S-1 ESLs for lead. Further, none of the concentrations of lead detected were above California or RCRA criteria for hazardous waste.
- With the exception of arsenic, concentrations of other metals detected in soil were below their respective Table S-1 ESLs. Although arsenic was detected above the Table S-1 ESLs for Residential Shallow Soil and Construction Worker exposure, the concentrations detected were at least one order of magnitude below the DTSC background concentration of 12 mg/kg.
- Low levels of select OCPs were detected in shallow soils throughout the proposed project area. The concentrations detected were below their respective Table S-1 ESLs. Therefore, pesticide impacts do not appear substantial or widespread and are not a concern for worker safety or soil reuse considerations.
- Low-level TPH impacts were found in one soil sample collected from approximately 5 feet bgs in SB-05, adjacent to the auto salvage yard, and in groundwater collected downgradient of the historical sewage disposal facility. The concentration of TPH detected in soil is below the Table S-1 ESLs.
- No VOCs were detected in the groundwater samples collected, and TPH concentrations in the motor and diesel ranges were detected at 154 µg/L and 243 µg/L (respectively). There is no California MCL for TPH in any range.
- Trace VOCs were detected in the deeper soil samples collected from SB-05 and SB-08. The concentrations detected were well below their respective Table S-1 ESLs.
- No SVOCs or PCBs were detected in any soil sample collected.

5.2 Recommendations

Based on the conclusions discussed above, shallow soils within the proposed project area do not appear to have been substantially impacted with ADL. Therefore, no further action associated with ADL within the proposed project area boundary is required. Low-level OCPs are present in shallow soils throughout the proposed project at concentrations well below any action levels to be protective of worker safety. Therefore, excess shallow soils generated during project construction are suitable for reuse within the proposed project area boundary.

Relatively minor concentrations of TPH and other metals detected in deeper soils in the vicinity of the proposed bridge footings were well below any action levels to be protective of worker safety. Therefore, deeper soils do not warrant special handling and therefore may be reused within the proposed project area boundary.

No VOCs were detected in either groundwater sample collected during this investigation, and relatively minor concentrations of TPH in the diesel and motor oil ranges were detected in the groundwater sample collected downgradient of the historical sewage disposal facility. TPH in the gasoline range was not detected in either groundwater sample. California does not have MCLs for TPH, and based on the low concentrations detected, the impacts present do not appear significant. The purpose of the Phase II ESA was to characterize groundwater for the most likely contaminants to be present based on the historical surrounding area property uses. Any groundwater generated during project construction will still need to be handled in accordance with local, state, and federal regulatory guidelines. Also, as stated in the May 2020 ISA, if groundwater will be generated over a period of several days or weeks that will require disposal or other handling, then a dewatering study should be conducted prior to the start of construction.

6 Limitations

This Phase II ESA report was prepared based on information collected by AECOM and the Bodhi Group during its field investigation activities, observations made of current conditions within the proposed project area, and information gathered from records and documents referenced herein. Information obtained from the referenced sources is assumed correct and complete. AECOM and the Bodhi Group will not assume any liability for findings or lack of findings based upon misrepresentation of information presented to the AECOM/Bodhi Group assessment team or for items not visible, not made available, not accessible, or not present at the site at the time of the site visit.

Opinions presented herein apply to the existing and reasonably foreseeable site conditions at the time of our assessment. They cannot apply to site changes of which AECOM and/or the Bodhi Group is unaware and has not had the opportunity to review. Changes in the condition of this property may occur with time due to natural processes or works of man at the site or on adjacent properties. Changes in applicable standards may also occur as a result of legislations or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

7 References

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AECOM. 2020b. Initial Site Assessment for 13th Street Bridge Project, 13th and Walnut Streets, Ramona, Unincorporated County of San Diego, California. Prepared by AECOM, 401 West A Street, Suite 1200, San Diego, California. Prepared for the County of San Diego Department of Public Works, Environmental Services Unit. May 2020.

Department of Toxic Substances Control (DTSC). 2008. *Determination of a Southern California Regional Background Arsenic Concentration in Soil*. G. Chernoff, W. Bosan, and D. Oudiz, DTSC Society of Toxicology. March.

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State of California Department of Transportation, California State Transportation Agency (Caltrans). 2020. Environmental Engineering Review of Air Quality, Hazardous Waste, and Noise Documents for 13th Street Bridge Replacement Project. Prepared by Brent Berge, Transportation Engineer at Caltrans. Prepared for Kevin Hovey, FHWA Local Assistance Liaison. July 6, 2020.

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United States Environmental Protection Agency (US EPA). 2017. US EPA Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review. January.

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Tables

Table 1
Summary of Soil Boring GPS Coordinates
13th Street Phase II ESA and ADL Survey
13th and Walnut Streets, Ramona, California

Boring ID	Longitude	Latitude
SB01	-116.874377	33.040879
SB02	-116.874973	33.041464
SB03	-116.875035	33.041775
SB04	-116.875175	33.042347
SB05	-116.875321	33.04278
SB06	-116.875227	33.043105
SB07	-116.875344	33.043466
SB08	-116.875231	33.043874
SB09	-116.875519	33.043948
SB10	-116.874978	33.043882
SB11	-116.875276	33.04439
SB12	-116.873835	33.041721

Notes:
Coordinates for all soil borings were collected in the field using a hand-held Garmin GPS unit.
Boring locations were collected upon completion of the January 8, 2021 field activities.

Table 2
Summary of Soil Analytical Results
13th Street Phase II ESA and ADL Survey
13th Bridge Project, 13th and Walnut Streets, Ramona, California

Location Sample Date Sample ID Depth Interval (ft.) SDG	SF RWQCB Table S-1 Direct Exposure Human Health Risk Levels[a] Res. Shallow Soil Exposure		CW Any Land Use/Any Depth Soil Exposure		SB01 1/8/2021 SB01-0-0.5 0-0.5 570-48097-1	SB01 1/8/2021 SB01-1-1.5 1-1.5 570-48097-1	SB02 1/8/2021 SB02-0-0.5 0-0.5 570-48097-1	SB02 1/8/2021 SB02-1-1.5 1-1.5 570-48097-1	SB03 1/8/2021 SB03-0-0.5 0-0.5 570-48097-1	SB03 1/8/2021 SB03-1-1.5 1-1.5 570-48097-1	SB04 1/8/2021 SB04-0-0.5 0-0.5 570-48097-1	SB04 1/8/2021 SB04-1-1.5 1-1.5 570-48097-1	SB05 1/8/2021 SB05-0-0.5 0-0.5 570-48097-1	SB05 1/8/2021 SB05-1.0-1.5 1.0-1.5 570-48097-1	SB05 1/8/2021 SB05-5.0-5.5 5.0-5.5 570-48097-1	SB05 1/8/2021 SB05-9.5-10.0 9.5-10.0 570-48097-1	SB05 1/8/2021 SB05-14.0-14.5 14.0-14.5 570-48097-1	SB06 1/8/2021 SB06-0-0.5 0-0.5 570-48097-1
Metals (mg/kg)																		
ARSENIC[b]	0.07	C	0.98	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.06**	<2.53	**2.58**	NA
BARIUM	15,305	NC	3,019	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**	**91.1**	**55.1**	NA
BERYLLIUM	15.62	NC	27.19	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.383**	**0.309**	**0.243**	NA
CADMIUM	77.78	NC	50.90	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.395 J**	**0.295 J**	**0.252 J**	NA
CHROMIUM	NE		NE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.11**	**6.45**	**4.42**	NA
COBALT	23.40	NC	27.90	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.69**	**4.5**	**3.82**	NA
COPPER	3,129	NC	14,158	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.96**	**3.15**	**3.28**	NA
LEAD	80	NC	160.00	NC	**5.34**	**1.66 J**	**3.14 J**	**10.8**	**5.24**	**4.08 J**	**2.08 J**	**5.2**	**13.5**	**16.8**	<4.98	**2.15 J**	**1.13 J**	**5.81**
MERCURY	12.51	NC	43.59	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0877	<0.0862	**0.0131 J**	NA
MOLYBDENUM	391.07	NC	1,770	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.09**	**0.937**	**0.869**	NA
NICKEL	824.63	NC	86.34	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.79**	**2.35**	**1.59**	NA
VANADIUM	393.11	NC	465.97	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**36.7**	**28.8**	**28.5**	NA
ZINC	23,464	NC	106,182	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21.1**	**16.3**	**12.3**	NA
TPH (mg/kg)																		
Motor Oil Range Organics (C24-C44)[c]	12,033	NC	54,452	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**222**	<4.9	<4.9	NA
VOCs (µg/kg)																		
METHYLENE CHLORIDE	1881.08	C	494,315	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3 J**	**34**	**36**	NA
STYRENE	5,711,209	NC	24,527,173	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.97	<0.97	<0.96	NA
SVOCs (mg/kg)																		
All SVOCs	Varies		Varies		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
PCBs (µg/kg)																		
PCBs (total)	228	C	5,492	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
OCPs (µg/kg)																		
4,4'-DDE	1,830	C	56,785	C	NA	NA	<5.0	<4.9	<5.0	<5.0	<4.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	1,886	C	57,264	C	NA	NA	<5.0	<4.9	<5.0	<5.0	<4.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHLORDANE	480.68	C	14,048	C	NA	NA	<25	**4.9 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	**2.5 J**
DIELDRIN	36.77	C	1,063	C	NA	NA	<5.0	<4.9	<5.0	<5.0	<4.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ENDRIN ALDEHYDE	NE		NE		NA	NA	<5.0	<4.9	<5.0	<5.0	<4.9	<5.0	<5.0	**1.5 J**	<5.0	<5.0	<5.0	<5.0
GAMMA-CHLORDANE	NE		NE		NA	NA	<5.0	**0.37 J**	<5.0	<5.0	<4.9	<5.0	**0.56 J**	**0.30 J**	<5.0	<5.0	<5.0	**0.28 J**

Notes:
Only detected analytes are shown.
Bold font indicates detected concentration of that analyte; Non-detect concentrations are prefixed with "<".
SF RWQCB = San Francisco Regional Water Quality Control Board
DTSC = Department of Toxic Substance Control
Res. = Residential
CW = construction worker
C = cancer risk
NC = noncancer risk
NE = No criteria established
NA = Not analyzed
ND = No analytes detected by this analytical method
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
VOCs = Volatile organic compounds analyzed by EPA Method 8260B. Samples collected by EPA Method 5035.
SVOCs = Semi-volatile organic compounds analyzed by EPA Method 8270C.
PCBs = Polychlorinated biphenyl compounds analyzed by EPA Method 8082.
OCPs = Organochlorine pesticides
J: reported between the reporting and detection limits.
Metals in soil analyzed by EPA Method 6010B/7471A

TPH = Total petroleum hydrocarbons for all ranges analyzed by EPA method 8015M.
Samples for gasoline range analysis collected per EPA Method 5035.
a) The lower of the cancer/non-cancer direct exposure values were used.
b) Although arsenic exceeds the direct exposure criteria for residential, commercial/industrial, and construction worker, all concentrations detected were below the acceptable DTSC background concentration of 12 mg/kg.
c) Diesel and motor oil range organics were calculated as the sum of detected concentrations of C13-C24 and C24-C44, respectively. If all non-detect, then the maximum detection limit is shown.

Table 2
Summary of Soil Analytical Results
13th Street Phase II ESA and ADL Survey
13th Bridge Project, 13th and Walnut Streets, Ramona, California

Location	SF RWQCB Table S-1 Direct Exposure Human Health Risk Levels[a]				SB06	SB07	SB07	SB08	SB08	SB08	SB08	SB08	SB09	SB09	SB10	SB10	SB11	SB11	SB12
Sample Date					1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021	1/8/2021
Sample ID					SB06-1-1.5	SB07-0-0.5	SB07-1-1.5	SB08-0-0.5	SB08-1.0-1.5	SB08-4.5-5.0	SB08-9.5-10.0	SB08-18.0-18.5	SB09-0-0.5	SB09-1-1.5	SB10-0-0.5	SB10-1-1.5	SB11-0-0.5	SB11-1-1.5	SB12-0-0.5
Depth Interval (ft.)	Res. Shallow Soil Exposure		CW Any Land Use/Any Depth Soil Exposure		1-1.5	0-0.5	1-1.5	0-0.5	1.0-1.5	4.5-5.0	9.5-10.0	18.0-18.5	0-0.5	1-1.5	0-0.5	1-1.5	0-0.5	1-1.5	0-0.5
SDG					570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1	570-48097-1
Metals (mg/kg)																			
ARSENIC[b]	0.07	C	0.98	NC	NA	NA	NA	NA	NA	<2.63	**3.55**	<2.62	NA	NA	NA	NA	NA	NA	NA
BARIUM	15,305	NC	3,019	NC	NA	NA	NA	NA	NA	**53.9**	**101**	**96.3**	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	15.62	NC	27.19	NC	NA	NA	NA	NA	NA	<0.263	**0.327**	<0.262	NA	NA	NA	NA	NA	NA	NA
CADMIUM	77.78	NC	50.90	NC	NA	NA	NA	NA	NA	<0.526	<0.493	**0.236 J**	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NE		NE		NA	NA	NA	NA	NA	**1.34**	**5.59**	**2.5**	NA	NA	NA	NA	NA	NA	NA
COBALT	23.40	NC	27.90	NC	NA	NA	NA	NA	NA	**1.75**	**3.37**	**3.92**	NA	NA	NA	NA	NA	NA	NA
COPPER	3,129	NC	14,158	NC	NA	NA	NA	NA	NA	**0.585 J**	**2.41**	**0.883 J**	NA	NA	NA	NA	NA	NA	NA
LEAD	80	NC	160.00	NC	**16.1**	**14.7**	**29.6**	**3.00 J**	**2.05 J**	<5.26	<4.93	<5.24	**1.40 J**	**4.29 J**	**2.56 J**	**5.04**	**1.17 J**	<5.08	NA
MERCURY	12.51	NC	43.59	NC	NA	NA	NA	NA	NA	<0.0877	0.0196 J	<0.0820	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	391.07	NC	1,770	NC	NA	NA	NA	NA	NA	<0.526	**1.08**	**0.599**	NA	NA	NA	NA	NA	NA	NA
NICKEL	824.63	NC	86.34	NC	NA	NA	NA	NA	NA	**0.529**	**1.99**	**1.62**	NA	NA	NA	NA	NA	NA	NA
VANADIUM	393.11	NC	465.97	NC	NA	NA	NA	NA	NA	**7.46**	**29.7**	**18.3**	NA	NA	NA	NA	NA	NA	NA
ZINC	23,464	NC	106,182	NC	NA	NA	NA	NA	NA	**9.10 J**	**14.9**	**31.1**	NA	NA	NA	NA	NA	NA	NA
TPH (mg/kg)																			
Motor Oil Range Organics (C24-C44)[c]	12,033	NC	54,452	NC	NA	NA	NA	NA	NA	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)																			
METHYLENE CHLORIDE	1881.08	C	494,315	C	NA	NA	NA	NA	NA	**12**	**4.0 J**	<9.9	NA	NA	NA	NA	NA	NA	NA
STYRENE	5,711,209	NC	24,527,173	NC	NA	NA	NA	NA	NA	**0.82 J**	<0.97	<0.99	NA	NA	NA	NA	NA	NA	NA
SVOCs (mg/kg)																			
All SVOCs	Varies		Varies		NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
PCBs (µg/kg)																			
PCBs (total)	228	C	5,492	C	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
OCPs (µg/kg)																			
4,4'-DDE	1,830	C	56,785	C	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.9	<5.0	NA	NA	NA	NA	NA	NA	**3.4 J**
4,4'-DDT	1,886	C	57,264	C	<5.0	**0.48 J**	<5.0	<5.0	<5.0	<5.0	<4.9	<5.0	NA	NA	NA	NA	NA	NA	<4.9
CHLORDANE	480.68	C	14,048	C	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	NA	NA	NA	NA	**4.3 J**
DIELDRIN	36.77	C	1,063	C	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.9	<5.0	NA	NA	NA	NA	NA	NA	**1.1 J**
ENDRIN ALDEHYDE	NE		NE		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.9	<5.0	NA	NA	NA	NA	NA	NA	<4.9
GAMMA-CHLORDANE	NE		NE		**0.77 J**	**0.35 J**	<5.0	<5.0	<5.0	<5.0	<4.9	<5.0	NA	NA	NA	NA	NA	NA	**1.1 J**

Notes:
Only detected analytes are shown.
Bold font indicates detected concentration of that analyte; Non-detect concentrations are prefixed with "<".
SF RWQCB = San Francisco Regional Water Quality Control Board
DTSC = Department of Toxic Substance Control
Res. = Residential
CW = construction worker
C = cancer risk
NC = noncancer risk
NE = No criteria established
NA = Not analyzed
ND = No analytes detected by this analytical method
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
VOCs = Volatile organic compounds analyzed by EPA Method 8260B. Samples collected by EPA Method 5035.
SVOCs = Semi-volatile organic compounds analyzed by EPA Method 8270C.
PCBs = Polychlorinated biphenyl compounds analyzed by EPA Method 8082.
OCPs = Organochlorine pesticides
J: reported between the reporting and detection limits.
Metals in soil analyzed by EPA Method 6010B/7471A

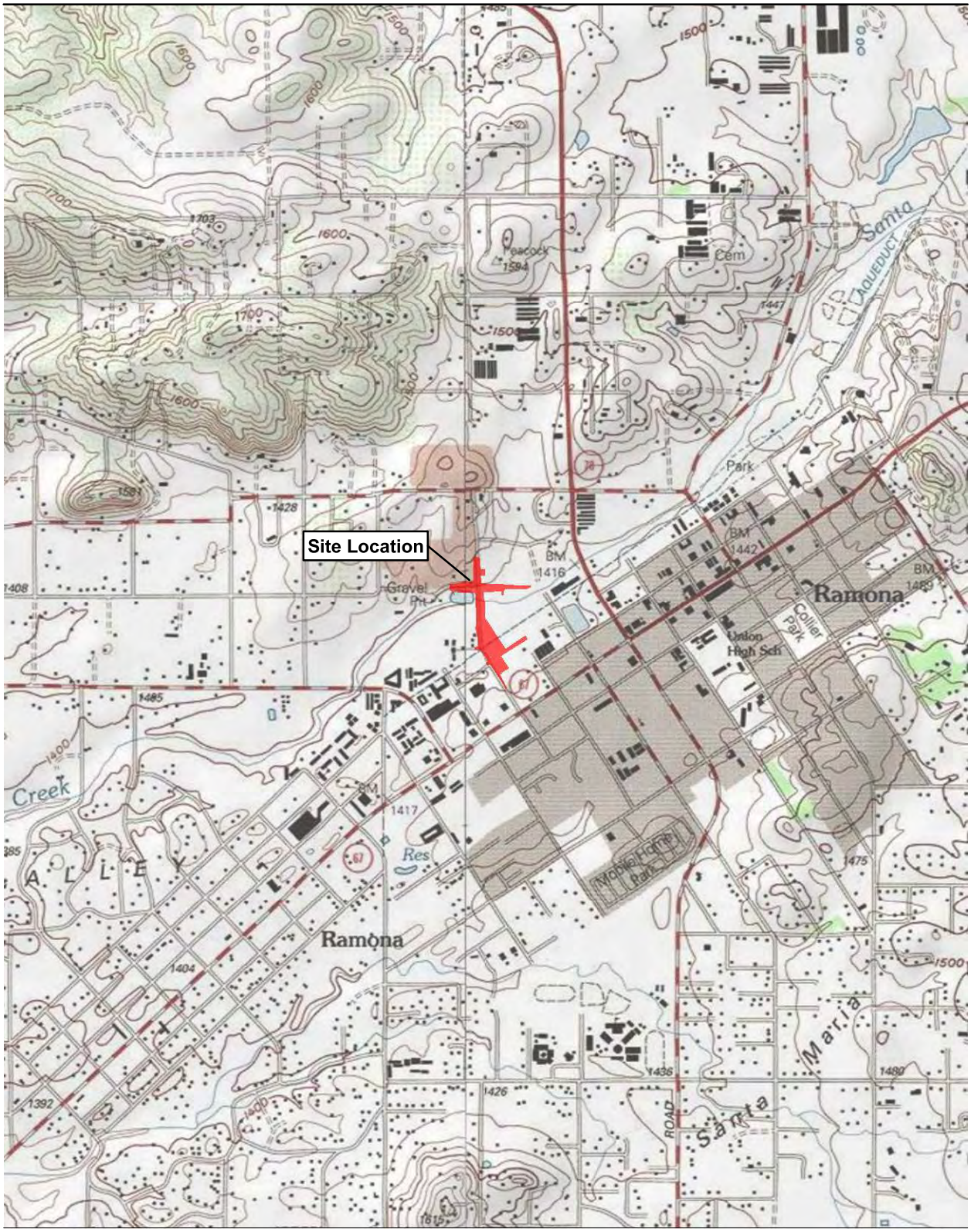
TPH = Total petroleum hydrocarbons for all ranges analyzed by EPA method 8015M.
Samples for gasoline range analysis collected per EPA Method 5035.
a) The lower of the cancer/non-cancer direct exposure values were used.
b) Although arsenic exceeds the direct exposure criteria for residential, commercial/industrial, and construction worker, all concentrations detected were below the acceptable DTSC background concentration of 12 mg/kg.
c) Diesel and motor oil range organics were calculated as the sum of detected concentrations of C13-C24 and C24-C44, respectively. If all non-detect, then the maximum detection limit is shown.

Table 3
Summary of Groundwater Analytical Results
13th Street Phase II ESA and ADL Survey
13th Street Bridge Project
13th and Walnut Streets, Ramona, California

Location ID Sample Date Sample ID SDG	California MCL	SB05 1/8/2021 SB05-GW 570-48097-1	SB08 1/8/2021 SB08-GW 570-48097-1
TPH (ug/L)			
Diesel Range Organics (C13-C24)[a]	NE	<55	**243**
Motor Oil Range Organics (C24-C44)[a]	NE	<55	**154**
VOC (ug/L)			
All VOCs	Varies	ND	ND

Notes:
Only detected analytes are shown.
Bold font indicates detected concentration; Non-detect concentrations are prefixed with "<".
MCL = Maximum Contaminant Level
NE = No criteria established
TPH = Total Petroleum Hydrocarbons analyzed by EPA Method 8015M.
VOC = Volatile organic compounds analyzed by EPA Method 8260B.
ug/L = micrograms per liter
ND = Not Detected
a) Diesel and motor oil range organics were calculated as the sum of detected concentrations of C13-C24 and C24-C44, respectively. If all non-detect, then the maximum detection limit is shown.

Figures



Source: USA Topo Maps.

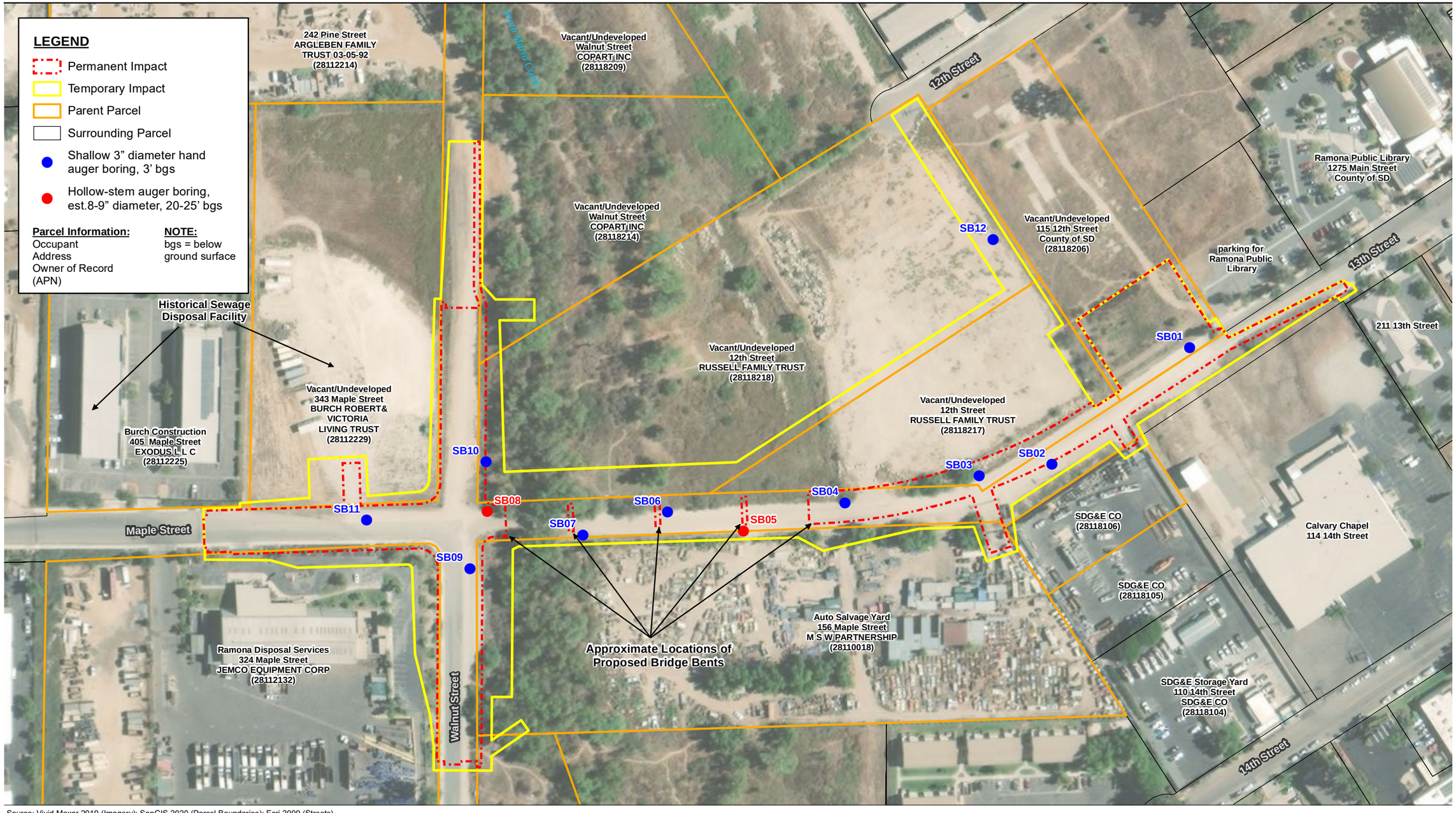
2,000 1,000 0 2,000 Feet

Scale: 1:24,000; 1 inch = 2,000 feet

Figure 1
Site Location Map

13th Street Bridge Project - Phase II Environmental Site Assessment

Path: P:_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig1_LocationMap.mxd, 11/14/2018, daniel.arellano



Source: Vivid Maxar 2019 (Imagery); SanGIS 2020 (Parcel Boundaries); Esri 2009 (Streets).

150 75 0 150 Feet

Scale: 1:1,800; 1 inch = 150 feet

Figure 2
Site Plan and Boring Locations
Phase II Environmental Site Assessment

Path: \\na.aecomnet.com\lfs\AMER\SanDiego-USSDG1\DCS\Projects_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig2_SitePlanSoilBorings.mxd, 3/9/2021, daniel.arellano

Appendix A

DEH Boring Permit and 60-Day Report

AECOM
401 West A Street
Suite 1200
San Diego, CA 92101
www.aecom.com

619.610.7600 tel
619.610.7601 fax

February 22, 2021

Monitoring Well Permit Desk
County of San Diego, Department of Environmental Health
Land and Water Quality Division, Site Assessment and Mitigation Program
P.O. Box 129261
San Diego, CA 92112-9261

Subject: **60-Day Boring Completion Report**
13th Street Bridge Project
13th, Maple, and Walnut Streets, Ramona, California 92065
County-Owned Right-of-Way Adjacent to (East of) APN 281-100-18-00 and Adjacent to (North of) APN 281-182-18
Well Permit Number: #LMWP-004770

To Whom it May Concern:

On behalf of the County of San Diego Department of Public Works (DPW), Environmental Services Unit (ESU) and in accordance with well permit number LMWP-004770, AECOM Technical Services, Inc. (AECOM) is submitting this 60-day Boring Completion Report for the above referenced site. A copy of the County of San Diego Department of Environmental Health (DEH) boring permit #LMWP-004770 is provided in Attachment A.

On January 8, 2021, Ms. Michelle Clodfelter, a geologist with AECOM, and Ms. Brianne Cortright, a geologist with The Bodhi Group (Bodhi Group) observed ABC Liovin Drilling Inc. (ABC) drill two soil borings to 19 (SB-05) and 25 (SB-08) feet below ground surface (bgs) respectively, and installed temporary wells in these borings. Ten additional borings were also advanced to a maximum of 3 feet bgs using a hand auger as part of this work; however, the 10 shallow borings were not included in the above referenced County of San Diego DEH boring permit. This work was completed on behalf of the County of San Diego DPW ESU as part of a Phase II Environmental Site Assessment (ESA) and Aerially Deposited Lead (ADL) survey associated with the proposed 13th Street Bridge Project. A site location map is provided as Figure 1, and a site plan showing all boring locations is provided as Figure 2.

After hand clearing SB-05 and SB-08 to a depth of 5 feet bgs with a hand auger, these borings were completed using a limited access, hollow-stem auger (HSA) drill rig equipped with 8-inch diameter hollow-stem augers. The 10 shallow borings were hand augered to a maximum depth of three feet bgs using a 3-inch diameter hand auger. AECOM field staff classified the subsurface soil, collected soil samples, and logged the borings. Materials encountered while drilling were logged using the visual-manual method (ASTM D 2488-00). Copies of the soil boring logs are provided in Attachment B and include a description of the lithologies encountered in all borings, including those that were not included in the DEH boring permit LWMP-004770. Soil samples collected were sent to Eurofins-Calscience, LLC (Eurofins) of Irvine, California, a California Department of Health Services-certified laboratory. Select samples were analyzed for volatile organic compounds

(VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH) in the diesel, motor oil, and gasoline ranges (DRO, ORO, and GRO, respectively), total organochlorine pesticides, poly-chlorinated biphenyls (PCBs), CAM 17 Metals, and/or Lead. The laboratory analytical report associated with the soil and groundwater samples collected during this investigation is provided in Attachment C.

After groundwater was encountered in the two deep soil borings, the borings were advanced approximately 5 feet into the water table, and 2-inch diameter, temporary PVC wells with filter socks were set in the borings. The temporary wells were completed using a total of 10 feet of slotted screen (approximately five feet below the water table and 5 feet above) and solid riser pipe to grade. Groundwater samples were collected using disposable bailers, and these samples were then sent to Eurofins to be analyzed for VOCs, DRO, ORO, and GRO.

Following collection of the groundwater samples, the temporary PVC well materials were removed and the borings were backfilled using a 10% bentonite/90% Portland grout mixture. The top three inches were capped with a soil/gravel mix to match the surrounding area surfaces. The 10 shallow hand auger locations were backfilled using hydrated bentonite chips, and the top three inches were capped with a soil/gravel mixture to match the surrounding area surfaces. The approximate boring depths and backfill quantities are provided in Table 1 below. The coordinates for the borings are presented in Table 2.

Table 1 – Boring Backfill Material and Quantities

Well Identification	Date Drilled	Total Depth Drilled	Boring Diameter	Approximate Bentonite Grout Used for Backfilling Activities		Approximate Concrete or Topsoil Added to top 3 inches of Boring	
		(ft bgs)	(feet)	(cubic feet)	(gallons)	(cubic feet)	(gallons)
SB01	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB02	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB03	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB04	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB05	1/8/2021	19	0.67	6.63	49.61	0.09	0.65
SB06	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB07	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB08	1/8/2021	25	0.67	8.73	65.28	0.09	0.65
SB09	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB10	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB11	1/8/2021	3	0.25	0.15	1.10	0.01	0.09
SB12	1/8/2021	1.5	0.25	0.07	0.55	0.01	0.09

Notes:
ft bgs: feet below ground surface

Table 2 – Boring Coordinates

Boring ID	Longitude	Latitude	Easting	Northing
SB01	-116.874377	33.040879	6370325.59	1959073.625
SB02	-116.874973	33.041464	6370144.223	1959287.567
SB03	-116.875035	33.041775	6370125.902	1959400.836
SB04	-116.875175	33.042347	6370084.442	1959609.118
SB05	-116.875321	33.04278	6370040.514	1959766.976
SB06	-116.875227	33.043105	6370070.013	1959884.920
SB07	-116.875344	33.043466	6370034.855	1960016.457
SB08	-116.875231	33.043874	6370070.418	1960164.902
SB09	-116.875519	33.043948	6369982.326	1960192.356
SB10	-116.874978	33.043882	6370147.964	1960167.348
SB11	-116.875276	33.04439	6370057.755	1960352.728
SB12	-116.873835	33.041721	6370493.517	1959378.986

Notes:
The coordinates for the boring locations were collected using a handheld global-positioning system (GPS) device with submeter accuracy.

This report is for the sole use and benefit of the Client (County of San Diego DPW ESU). The scope of services performed in execution of this effort may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user. No express or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed by the Client with the customary thoroughness and competence of professionals working in the same area on similar projects.

Please contact the undersigned if you have any questions.

Respectfully submitted,

AECOM Technical Services, Inc.

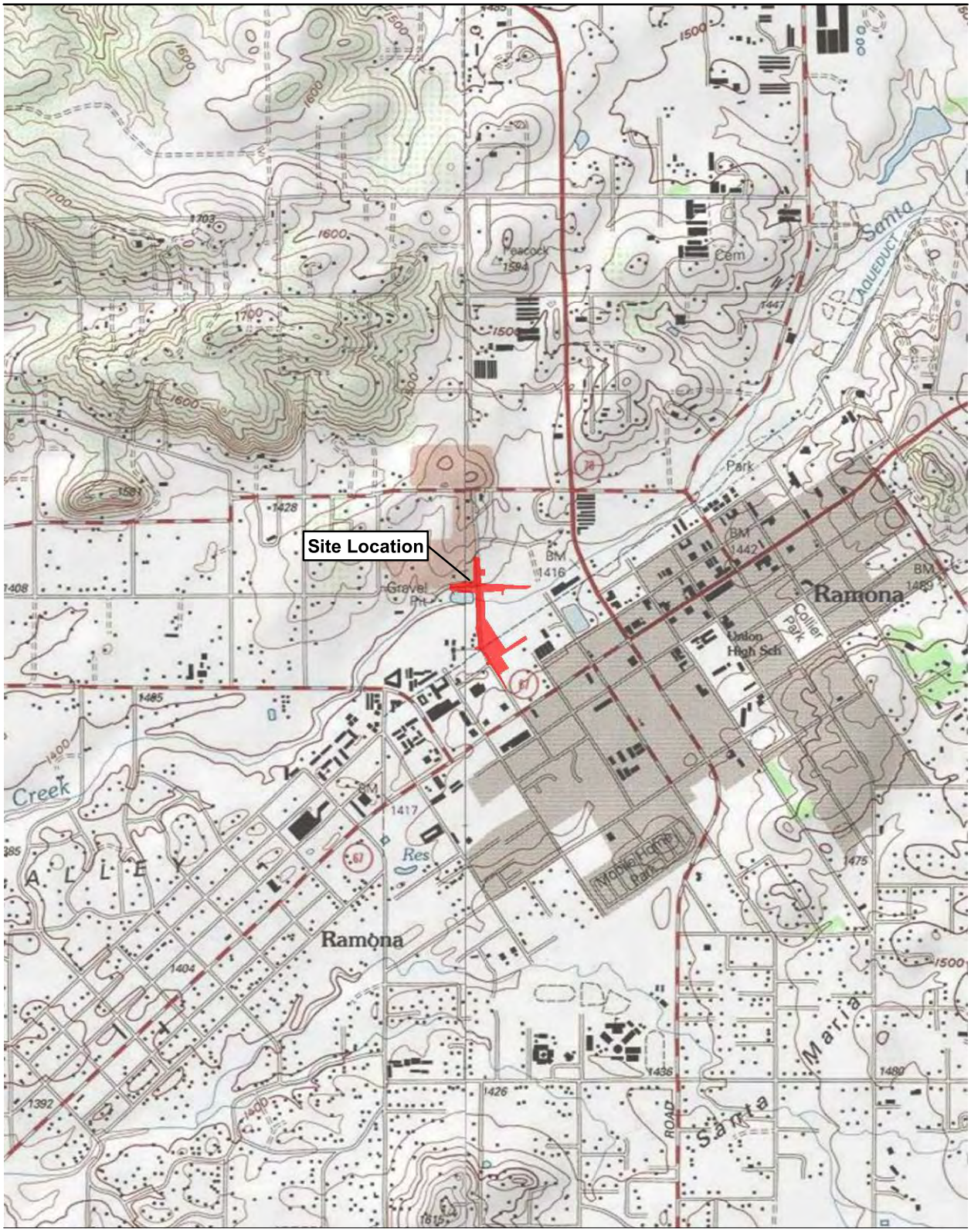
Sarah Perhala
Project Manager

Sam Haber, PG #9212
Project Geologist

Attachments: Figure 1 – Location Map
Figure 2 – Site Plan
Attachment A – County of San Diego DEH Approved Well Permit
Attachment B – Boring Logs
Attachment C – Laboratory Analytical Report

cc: Ms. Gail Getz, County of San Diego DPW, ESU
Ms. Keshia Montifolca, County of San Diego DPW, ESU
Mr. Michael Anguiano – AECOM Project Manager

FIGURES



Source: USA Topo Maps.

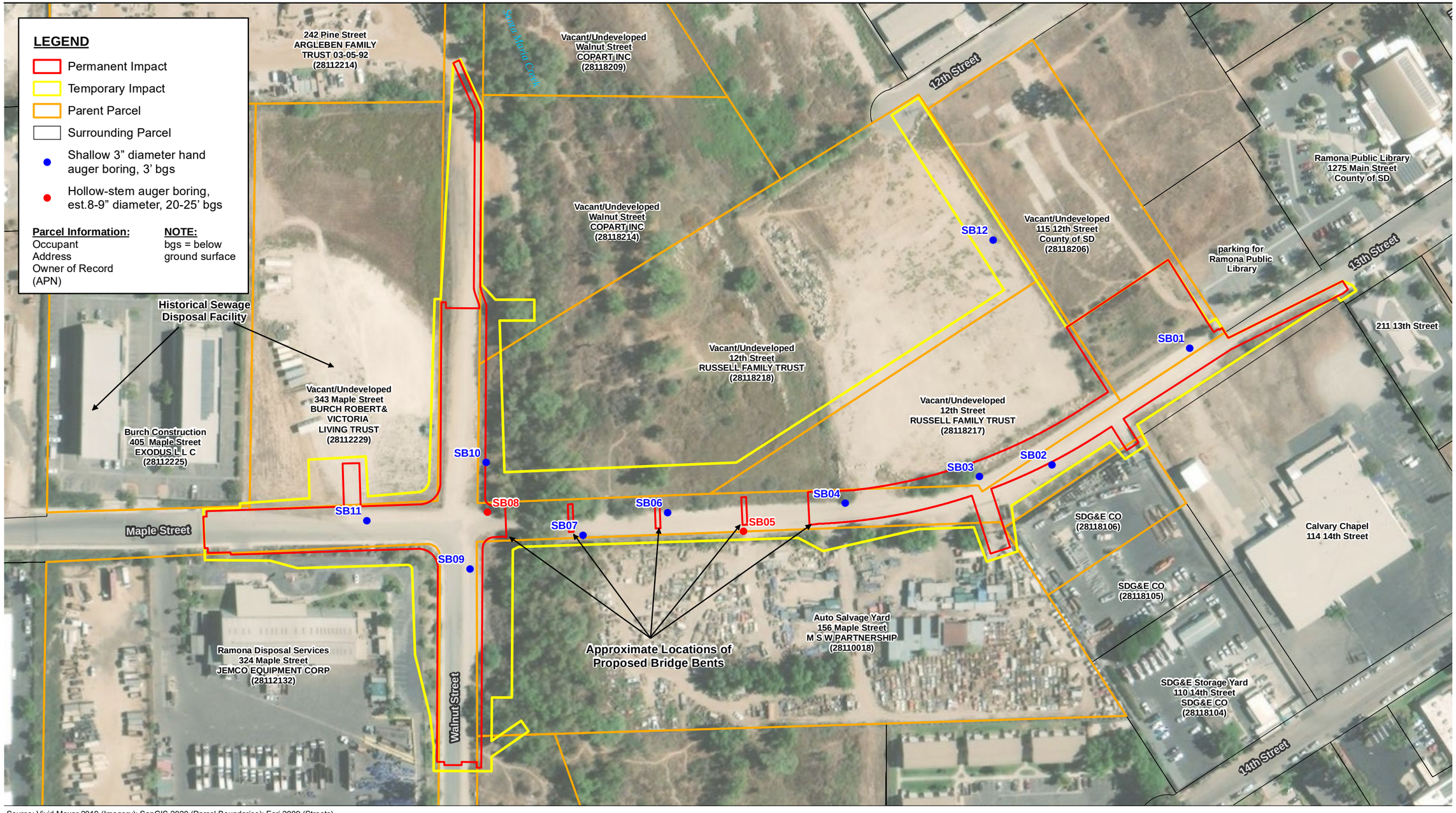
2,000 1,000 0 2,000 Feet

Scale: 1:24,000; 1 inch = 2,000 feet

Figure 1
Site Location Map

13th Street Bridge Project - Phase II Environmental Site Assessment

Path: P:_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig1_LocationMap.mxd, 11/14/2018, daniel.arellano



Source: Vivid Maxar 2019 (Imagery); SanGIS 2020 (Parcel Boundaries); Esri 2009 (Streets).

150 75 0 150 Feet

Scale: 1:1,800; 1 inch = 150 feet

Figure 2
Site Plan and Proposed Soil Borings
Phase II Environmental Site Assessment

Path: \\na.aecomnet.com\lfs\AMER\SanDiego-USSDG1\DCS\Projects_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig2_SitePlanSoilBorings.mxd, 1/27/2021, daniel.arellano

ATTACHMENT A County of San Diego DEH Approved Boring Permit

PERMIT # LMWP-004770
A.P.N. #: 281-100-18-00
EST #: N/A

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

BORING CONSTRUCTION PERMIT

SITE NAME: 13TH STREET BRIDGE PROJECT

SITE ADDRESS: 156 MAPLE ST, RAMONA, CA 92065

PERMIT FOR: **TEMPORARY GROUNDWATER WELLS (2)**

PERMIT APPROVAL DATE: 11/13/2020

PERMIT EXPIRES ON: 3/12/2021

RESPONSIBLE PARTY: COUNTY OF SAN DIEGO, DEPT OF PUBLIC WORKS (GAIL GETZ)

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material. Bentonite slurries are not an acceptable fill material in the unsaturated zone.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4**.** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. This office must be given 24-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Jon Senaha DATE: 11/13/2020

Jon Senaha

PERMIT APPLICATION
GROUNDWATER
AND VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 004770
SAM CASE Y/(N) # N/A
DATE RECEIVED: 11/6/2020
FEE PAID: $314
CHECK # ONLINE

A. RESPONSIBLE PARTY County of San Diego Department of Public Works E-mail Gail.Getz@sdcounty.ca.gov

(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)

Mailing Address 5510 Overland Ave, Suite 410 City San Diego State CA Zip 92123-1237

Contact Person Gail Getz Phone 858.877.0459 Ext.

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE #

C. CONSULTING FIRM AECOM

Mailing Address 401 West A Street, Suite 1200 City San Diego State CA Zip 92101

Registered Professional Sam Haber Phone 619.610.7782 Registration #9212(PG)

E-mail sam.haber@aecom.com

Contact Person Sarah Perhala Phone 619.610.7750 Ext Email sarah.perhala@aecom.com

D. DRILLING COMPANY ABC Liovin Drilling C57#422904

Contact Name Rick Hastings E-mail rick@abcdrilling.com

Mailing Address **1180 East Burnett Street** City **Signal Hill** State CA Zip **90755**

Phone 562.981.8575 Ext.

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	
☐ Vadose	
☐ Boring	
☐ Soil Vapor	
☒ Other	2

Temporary Well, to be destroyed same day

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction

MATERIALS TO BE USED

CASING

Not Applicable
Type PVC
Gauge sch40
Diameter 2”
Screen Size 0.010
Filter Pack No. 2 Sand

SEAL/BORING BACKFILL

☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 8.25”

Drilling Method

☒ Auger
☐ Direct Push
☐ Other
☐ Air Rotary
☐ Sonic
☐ Percussion

PROPOSED CONSTRUCTION

Estimated Groundwater Depth: 20 ft.
Estimated Depth of Boring: 25 ft.
Concrete Seal: NA to NA
Annular Seal: NA to NA
Filter Pack: 15ft to 25ft
Perforation: 15ft to 25ft

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER’S SIGNATURE _____ DATE **11/5/2020**

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Sam Haber DATE 10/29/2020

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. **ASSESSOR'S PARCEL NUMBER** In public ROW adjacent to APN #281-100-18

   Site Name In ROW adj. to (east of) 156 Maple Street (APN 281-100-18)

   Site Address Maple Street City Ramona Zip 92065

   PROPERTY OWNER County of San Diego DPW

   Phone 858.694.2212 Ext. _____ Fax 858.694.3928

   Mailing Address 5510 Overland Ave, Suite 410 City San Diego State CA Zip 92123

   NUMBER OF WELLS 1 **TYPE OF WELLS** temporary groundwater well

2. **ASSESSOR'S PARCEL NUMBER** In public ROW at northeastern corner of Walnut St, adjacent to APN #281-182-18

   Site Address In ROW adj. to (north of) APN #281-182-18 (no known address), intersection of Maple & Walnut Streets

   City Ramona Zip 92065

   PROPERTY OWNER County of San Diego DPW

   Phone 858.694.2212 Ext. _____ Fax 858.694.3928

   Mailing Address 5510 Overland Ave, Suite 410 City San Diego State CA Zip 92123

   NUMBER OF WELLS 1 **TYPE OF WELLS** temporary groundwater well

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

- ☐ Department of Environmental Health _____
- ☐ Regional Water Quality Control Board _____
- ☐ Department of Toxic Substances Control _____

☐ b. Part of a Phase I investigation for property ownership transfer.

☐ c. Geotechnical investigation for proposed construction or land stabilization.

☒ d. Other: Phase II Environmental Site Assessment

2. If wells are to be destroyed, provide a description of method of destruction _____

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines. Yes ☐ No ☒

Appendix B

County DPW Permits

LUEG
Land Use & Environment Group

COUNTY OF SAN DIEGO

DEPARTMENT OF PUBLIC WORKS

PRIVATE DEVELOPMENT CONST. INSPECTION
5510 OVERLAND AVE, SUITE 210
SAN DIEGO, CALIFORNIA 92123-1239
(858) 694-3165 FAX: (858) 694-2354

EXCAVATION PERMIT

DATE ISSUED: 12/16/2020 EXPIRATION DATE: 04/01/2021	TRUST ACCOUNT NO.:	PERMIT NO.: DPW2020-RWEXCP-73944 Financial Source: Internal Agreement Number PWR-01220
APPLICANT: AECOM SARAH PERHALA 401 WEST A STREET, SUITE 1200 SAN DIEGO, CA 92101 8605810562 SARAH.PERHALA@AECOM.COM	CONTRACTOR: ABC LIOVIN DRILLING SARAH PERHALA 1180 E BURNETT ST SIGNAL HILL, CA 90755 5629818575 SARAH.PERHALA@AECOM.COM	PERMIT OWNER: COUNTY OF SAN DIEGO DPW C/O AECOM 401 WEST A STREET, SUITE 1200 SAN DIEGO, CA 92101 8588770459 SARAH.PERHALA@AECOM.COM

SITE ADDRESS / JOB LOCATION:

MAPLE ST, WALNUT ST / RAMONA / TB 1152 -F6

NEAREST X-STREET / INTERSECTION: WALNUT ST

APN:	Agency Job No.:	GPS COORD.:

DETAILED DESCRIPTION:

Scope of Work: PERFORM UP TO 12 SOIL BORINGS FOR PHASE II SITE ASSESSMENT FOR COUNTY OF SD DPW 13TH ST BRIDGE PROJECT
Related Permits: DPW2020-RWTCP-01442
IA: PWR-01220
Notes:
A) A Pre-construction conference is required prior to the start of any work in the County ROW. Contact your assigned Private Development Construction Inspection (PDCI) Inspector directly to schedule.
B) Stormwater Best Management Practices (BMPs) are required at all times and shall be planned and installed in accordance with the County's Watershed Protection Ordinance, Municipal Separate Storm Sewer System Permit (MS4), and, if applicable, the State Construction General Permit regulations.
C) Traffic Control Permit(s) are required and must be obtained prior to start of any work in the County's Road ROW.
D) Compaction of backfill material shall be achieved by "Mechanical Compaction" methods and geotechnical compaction reports are required for all compacted sections. Exceptions to compaction testing requirements may be allowed at the discretion of DPW.
E) Existing culverts and other road facilities shall be protected in place against any damage. Any culvert or road facility damaged during construction shall be reported to DPW immediately through your assigned Inspector.
F) All existing paved and unpaved areas damaged, disturbed, or removed by the permitted work shall be repaired to the County Standards and as approved by DPW PDCI inspector. The trench resurfacing shall be done in accordance with San Diego Regional Standard Drawings G-24 A&B, Type D for asphalt surfacing, G-25 for concrete surfacing. In addition, the final surface treatment shall match the existing surface type.
G) Deviations from the standard trench restoration requirements must be reviewed and approved by DPW prior to start of work.
H) Trenches and excavation that exceeds five (5) feet in vertical depth shall be done in accordance with CAL-OSHA Safety Standards. Contact CAL-OSHA at (619) 767-2280 for permit requirements.
I) Gate Well Cap and Can installations shall meet San Diego Regional Standard Drawing WV-02.
J) Bollards are not allowed in the Right-of-Way to protect equipment per Highway Design Standards Section 2.2 No. 14. No less than an 8ft minimum clear recovery zone (CRZ) shall be maintained for roadways without curbs.
K) Subject to Streets and Highways Code Sections 732.5, 1492.5 and 1810.5; Survey monuments shall be preserved, referenced, and/or replaced pursuant to Section 8771 of the Business and Professions Code.
L) No greater than 50 Linear Feet of trench shall be opened and plated at any one time. Exceptions to the plated length may be allowed at the discretion of DPW.

M) Hours of work may be determined by the Traffic Control Permit. No traffic controls will be allowed during students drop off and pickup periods in the vicinity of schools and peak commute hours at some locations.
N) To document pavement condition in Condition No. F above, all permits that utilize heavy equipment and/or trucks weighing over 7-tons loaded weight, the applicant shall submit acceptable photo-documentation of the existing road surfacing including any visible cracks in the pavement for all work locations and intended haul routes to assigned PDCI inspector prior to start of construction.

LENGTH(FEET):	WIDTH(FEET): .5	DEPTH(FEET): 25

PIPE SIZE:	MATERIAL:

SPECIFIC CONDITIONS:

Permittee agrees to indemnify, hold harmless and defend the County and each of its officers and employees from any liability or responsibility for accident, loss or damage to persons or property arising by reason of the work done by permittee, or permittees' agents, employees or representatives.

Before you dig, call UNDERGROUND SERVICE ALERT at 1-800-422-4133. Enter UNDERGROUND SERVICE ALERT Inquiry Identification No. here_____. This permit is not valid until an inquiry number is obtained.

Notify construction inspection at (858) 694-3165, 24 hours in advance of beginning any portion of the work, completion of work, backfill or concrete pour, and otherwise as required by the Director of Public Works.

Insuance of this permit does not authorize any work to be performed until the permission of the property has been obtained.

This permit is granted under provision of Title 7, of the San Diego County Code of Regulatory Ordinances. It is understood and agreed upon that if this location is under construction, the consent of the contractor must be obtained. This installation is granted with the strict understanding that same is subject to relocation, change of grade, or removal at the request of the Director, Department of Public Works. Permittee shall be entirely responsible for any liability due to any accident, loss or damage resulting from the design or performance of work involved. Issuance of this permit does not authorize any work to be performed until the permission of the property owner has been obtained.

County of San Diego, Director of Public Works by: Contreras, Tomas Digitally signed by Contreras, Tomas Date: 2020.12.15 09:26:01 -08'00' Date: 12/14/2020

This permit and all attachments must be kept on the work site, to be shown to any authorized agent of the County upon request.

FOR COUNTY USE ONLY
RECORD ID:
DPW20 20
RWEXCP- 73944

APPLICATION FOR EXCAVATION PERMIT

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS

5510 OVERLAND AVENUE, SUITE 110
SAN DIEGO, CA 92123
PHONE (858) 694-2055 • FAX (858) 279-7020
E-mail LDPERMITCOUNTER@SDCOUNTY.CA.GOV

Date 11/6/20

THOMAS GUIDE		
YEAR/ EDITION	PAGE	COORD
2009	1152	F6

Permit Owner County of San Diego DPW (Last Name / First) Telephone # 858.877.0459

Mailing Address c/o AECOM 401 West A Street, Suite 1200, San Diego CA 92101 (Street / City / State / Zip Code)

Hereby makes application for permit to excavate and/or construct the following on the public roads, subject to provisions of Title 7, Div. 1 of San Diego County Code of Regulatory Ordinances. Permit revocable at option of Director, Department of Public Works when necessary.

Application Contact Name Sarah Perhala Email Address sarah.perhala@aecom.com Telephone # 619.610.7750

Contractor ABC Liovin Drilling Telephone # 562.981.8575 License # C57 #422904 (Name / Ins. Exp. Date)

Email Address sarah.perhala@aecom.com

Utility Owner (if applicable) NA Agency Job Number: NA

Is the work part of a larger project or program requiring multiple permits, or currently under review for permit? YES ☐ NO ■

If yes provide: Related Permits NA Assessor Parcel # NA, County ROW

Is this a utility relocation in connection with a County Capital Improvement Project? YES ☐ NO ■

If yes provide: Name of Project NA

Location of work Maple Street between Walnut Street and 13th Street, Ramona, CA 92065 (Street Name and Number and nearest cross street) 8in diameter borings will be grouted per SD

Standard Drawing: ☐ G-24A Type D or DS-22 ☐ G-25 ☐ SP-02 ☐ WP-02 ■ Other: ~~County DEH boring~~ permit

Excavation Length NA Width 10 3in & 2 8in diameter borings Depth 10 borings to 3-ft; 2 borings to 25-ft

If pipe is to be placed, state size NA and kind

Detailed Description of Work Perform up to 12 soil borings for Phase II Site Assessment for County of SD DPW 13th St Bridge project

Requested Permit Duration (ex: 90 days) 60 days A general liability insurance certificate is required for this time period.

Surface to be cut: ☐ Asphalt ☐ Concrete ■ Dirt

Sample Application (link here)
Attachments/Requirements at Application (links to samples provided):

- ☒ Financially Responsible Party Agreement
- ☐ Inspection Deposits and Permit Fee
- ☒ Traffic Control Permit Application
- ☒ Traffic Control Plan or Regional Standard Drawing
- ☐ Location Map (link to tool LAYER NEEDS TO BE DEVELOPED) and Construction Drawing
- ☒ Environmental Review Questionnaire (CEQA)
- ☒ Contractor's License and Proof of Liability Insurance
- ☐ Signed Engineering Plans (excavation over 1,000 LF)
- ☐ Utility Company Connection Approval (if applicable)
- ☐ Linear Underground/Overhead Project form (RWQCB Exemption) (for projects greater than or equal to 1500 LF)

I hereby agree as a condition of the granting of this permit to provide defense and indemnification in accordance with Section 71.103 of the San Diego County Code of Regulatory Ordinances as follows: Permit Owner agrees to indemnify, hold harmless and defend the County and each of its officers and employees from any liability of responsibility for accident, loss or damage to persons or property arising by reason of the work done by Permit Owner, or Permit Owner's agents, employees or representatives.

Permit Owner agrees that all work within the County right-of-way will be accomplished in accordance with Approved Plans, the Standard Specifications of the Department of Public Work, "Special Provisions for Work Done Under Excavation Permit", "Special Provisions and Specifications for Improvement of New Streets", or Regional Standard Drawings and as stated on the Permit, and shall be subject to inspection and approval of the Director, Department of Public Works. If any tank, pipe, conduit, duct, tunnel or other facility (collectively "facilities") placed in the right-of-way interferes with the operation, improvement, grading or realignment of the highway by the County, the above signed will at their own expense completely remove the facilities and restore the right-of-way, or relocate the facilities to a location designated by the Director, Department of Public Works, and restore the right-of-way. All work shall be completed to the satisfaction of the Director, Department of Public Works. The Permit Owner further agrees to pay any damages resulting to County of San Diego from the negligent or improper design, construction or installation of the facilities or performance of permitted work and will restore the right-of-way, as near as may be possible to its former state and so as not to have impaired unnecessarily its usefulness or will repay to County of San Diego its cost of such restoration. Notwithstanding the foregoing, this permit is not to be interpreted to supersede prior rights or franchise rights in the right-of-way that are owned by a Permit Owner, but should be interpreted to supplement or explain those rights whenever practical to do so without contradicting an express term of a title document or grant of franchise.

I declare under penalty of perjury under the laws of the State of California that the statements made herein are true and correct.

Signed Perhala, Sarah M. Digitally signed by Perhala, Sarah M. DN: cn=Perhala, Sarah M., ou=USRKH2 Date: 2020.11.12 12:48:02 -08'00' (Permit Owner) (Date)

DPW Form #1 (2/2016) **ISSUANCE FEE AND DEPOSITS ARE PAYABLE IN ADVANCE**

ENVIRONMENTAL REVIEW QUESTIONNAIRE

FOR WORK WITHIN THE COUNTY OF SAN DIEGO ROAD RIGHT OF WAY

(TO BE FILLED OUT BY APPLICANT)

PERMITTEE NAME OR ORGANIZATION: County of San Diego DPW c/o AECOM

PROJECT NUMBER OR NAME: 13th Street Bridge Project

PROJECT LOCATION: 13th, Maple, and Walnut Street, Ramona CA

Please Check YES or NO for the following statements. (Note: further environmental review may be required by applicant and/or County staff for a "Yes" answer.)

YES	NO	
☐	☒	The project proposes grading, filling, or dredging within a creek or wetland area
☐	☒	The project will remove vegetation adjacent to a creek or wetland area
☐	☒	The project will harm or remove healthy, mature, or scenic trees
☐	☒	The project is located on a hazardous waste site per Section 65962.5 of Gov. Code
☐	☒	The project will substantially degrade surface water or groundwater quality
☐	☒	The project will have significant impact to aesthetics or visual resources
☐	☒	The project is located on a dedicated trail, or pathway
☐	☒	The project will impact historic, tribal cultural, or prehistoric resources
☐	☒	The project will conflict with the County Noise Ordinance (San Diego County Code of Regulatory Ordinances, Title 3, Division 6, Chapter 4)

The following language shall be placed on the project plans and will become permit conditions:

"If during the course of any ground disturbing activities any historic or pre-historic resources are identified, work will be ceased immediately in that area and the Department of Public Works notified. Work will commence once authorized by the Department of Public Works."

"To avoid harm to any mature trees, the applicant will not place any concrete, fill, or grade within the canopy of any tree with a diameter of 3 inches or greater unless only hand-tools are used or an arborist provides direction and certification that such activities would not cause harm to the tree."

"If existing landscaping is to be removed, the applicant will replace it in kind".

"As defined by the County Noise Ordinance, general sound levels will not exceed the limits defined in Section 36.404 of the Noise Ordinance. Further, construction Activities will not occur before 7 a.m or after 7 p.m. nor will any construction occur on Sundays or holidays without first obtaining a noise variance."

"No grading, fill, or any activities are permitted within a creek or wetland area."

I hereby certify the above answers are true and correct to the best of my knowledge:

SIGNATURE: _____ DATE: November 12, 2020

County of San Diego, Land Use and Environment Group

FINANCIALLY RESPONSIBLE PARTY AGREEMENT

PDS SUPPORT SERVICES DIVISION

I understand that all funds deposited in the Trust Account shall be held by the County in an account under the name of the Financially Responsible Party (FINRESP), and the FINRESP shall be considered the owner of all funds in said account, and Depositor (if different from Financially Responsible Party) releases any interest in said funds. Except as provided below, any funds remaining in said account at the completion of work shall be refunded to the FINRESP at the address below. In the case that the FINRESP wishes to transfer responsibility of the Trust Account to a new owner, a Change of Financial Responsibility form must be completed to authorize transfer of ownership of funds in said account. The FINRESP may contact the Trust Account Customer Service Unit at: PDSDevDep@sdcounty.ca.gov or by calling (858) 694-2320 to request the Change of Financial Responsibility form.

FINANCIALLY RESPONSIBLE PARTY

Have you had a Trust Account with the County of San Diego before? Yes ☐ No ☒

The information of the Financially Responsible Party provided below must be 100% accurate. All Developer Deposit customer statements and refund checks, if any, will be mailed to the name and address stated below. If the information stated on this form is inconsistent with our system, then the Financially Responsible Party must clarify and correct before the application can be accepted.

If the Financially Responsible Party is a Company or Organization please complete below (additional information may be required if an agent signed this form);

Company/Business/Trust Name: County of San Diego DPW ESU

If Attention/Care of/Doing Business as: Gail Getz, Environmental Planning Manager

Billing Address: 5510 Overland Ave, Ste 410

City: San Diego State: CA Zip Code: 92123

Preferred Phone: 858-877-0459 (County cell) Alt. Phone: 858-694-3911 (County desk)

Email: gail.getz@sdcounty.ca.gov

If the Financially Responsible Party is an Individual please complete below:

First Name: _____ MI: ___ Last Name: _____

Billing Address: _____

City: _____ State: _____ Zip Code: _____

Preferred Phone: _____ Alt. Phone: _____

Email: _____

I have read this form and understand all funds deposited into the Trust Account are owned by and any refund will be sent to the Financially Responsible Party (FINRESP) listed above. I understand and agree that the Financially Responsible Party is responsible for payment of all fees associated with this project including all hourly or other fees which may accrue during the review and/or post-issuance whether the permit is issued or whether the application is canceled or denied before the permit is issued.

Financially Responsible Party's Signature: Gail Getz *Date:* 11/12/2020

Print Name: Gail Getz

FINANCIALLY RESPONSIBLE PARTY AGREEMENT

Continued

Did you know you can request access to your Trust Account online—which allows you to review charges, make deposits, and see your account balances—in real time? Please go to http://www.sandiegocounty.gov/content/sdc/pds/AccelaUpdates.html for additional instruction.

--- OFFICIAL USE ONLY ---

Trust Account

	-	D	-	
Reference Contact ID		Trust Account Type		Unique Identifier

The Trust Account shown above has been linked to the following Records ID(s):

DPW2020-RWEXCP-73944

Counter Staff: _____

Trust Account Types

	A	PDS	Cash Guarantees for Resource Management Plans		N	ALL	Future Use - Dept Trust Account Type
	B	PDS	Cash Guarantees for Model Homes		O	DEH	Hazardous Materials Division (HMD)
	C	PWS	Construction & Demolition Recycling		P	DPW	Cash guarantee for Prior-to-Occupancy
X	D	ALL	DEH, PKS, PDS, PDS LD, PWR, PWW -- Trust Accounts		Q	DEH	Cash guarantee for Land & Water Quality Well Bond (LWQD Well Bond)
	E	DEH	Land & Water Quality (LWQD PP)		R	DPW	Cash guarantee for Right-Of-Way
	F	DPW	Cash guarantee for Future Improvements		S	DPW	Cash guarantee for SWMP Maintenance Agreement
	G	DPW	Cash guarantee for Grading		T	PDS	Cash guarantee for Misc. PDS Guarantees
	H	PDS	Cash guarantee for Health Care Trailers		U	DPW	Cash guarantee for Improvements Labor & Maintenance and Faithful Performance
	I	PDS	Cash Guarantees for Defense and Indemnity Agreement		V	DPW	Cash guarantee for Misc. DPW Guarantees
	J	DEH	Land & Water Quality Site Assessment Mitigation (LWQD SAM)		W	DPW	Cash guarantee for Lien Contract
	K	DEH	Community Health Division (CHD)		X	DPW	Cash guarantee for Restoration
	L	PDS	Cash Guarantees for Landscape / Re-Vegetation Plans		Y	ALL	Future Use - Dept Trust Account Type
	M	PDS	Cash Guarantees for Surface Mining and Inspection		Z	ALL	Future Use - Dept Trust Account Type

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 11/13/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh Risk & Insurance Services
CA License #0437153
633 W. Fifth Street, Suite 1200
Los Angeles, CA 90071
Attn: LosAngeles.CertRequest@Marsh.Com
CN101348564-STND-GAUE-20-21 11 2020

CONTACT NAME:
PHONE (A/C, No, Ext): **FAX (A/C, No):**
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : ACE American Insurance Company	22667
INSURER B : N/A	N/A
INSURER C : Illinois Union Insurance Co	27960
INSURER D : SEE ACORD 101	
INSURER E :	
INSURER F :	

INSURED
AECOM
AECOM Technical Services, Inc.
401 West A Street Suite 1200
San Diego, CA 92101

COVERAGES **CERTIFICATE NUMBER:** LOS-002514549-01 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY	X	X	HDO G7123311A	04/01/2020	04/01/2021	EACH OCCURRENCE	$	1,000,000
	[ ] CLAIMS-MADE [X] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$	1,000,000
							MED EXP (Any one person)	$	5,000
							PERSONAL & ADV INJURY	$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$	2,000,000
	X POLICY [ ] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$	2,000,000
	[ ] OTHER:							$	
A	**AUTOMOBILE LIABILITY**			ISA H25301730	04/01/2020	04/01/2021	COMBINED SINGLE LIMIT (Ea accident)	$	2,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$	
	[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	[ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$	
								$	
	[ ] **UMBRELLA LIAB** [ ] OCCUR						EACH OCCURRENCE	$	
	[ ] **EXCESS LIAB** [ ] CLAIMS-MADE						AGGREGATE	$	
	[ ] DED [ ] RETENTION $							$	
D	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N		X	SEE ACORD 101	04/01/2020	04/01/2021	X PER STATUTE [ ] OTH-ER		
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [N] **(Mandatory in NH)**	N / A					E.L. EACH ACCIDENT	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000
C	ARCHITECTS & ENG.			EON G21654693 005	04/01/2020	04/01/2021	Per Claim/Agg		2,000,000
	PROFESSIONAL LIAB.			"CLAIMS MADE"			Defense Included		

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: AECOM Project No: 6056884 task 01. Drilliing Permit - for work performed at Maple Street between Walnut Street and 13th Street, Ramona, CA 12 soil borings for Phase II Site Assessment for County of San Diego DPW 13th Street Bridge Project.

County of San Diego is named as additional insured for GL coverage, but only as respects work performed by or on behalf of the named insured and where required by written contract. Waiver of Subrogation is applicable where required by written contract with respect to GL and WC.

CERTIFICATE HOLDER

County of San Diego
Department of Public Works
5510 Overland Ave., #110
San Diego, CA 92123

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
of Marsh Risk & Insurance Services

James L. Vogel

AGENCY CUSTOMER ID: CN101348564

LOC #: Los Angeles

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Marsh Risk & Insurance Services	AECOM AECOM Technical Services, Inc. 401 West A Street Suite 1200 San Diego, CA 92101
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Workers Compensation/Employer Liability cont.

Policy Number	Insurer	States Covered
WLR C6692340A	Indemnity Insurance Company of North America - NAIC # 43575	AOS
WLR C66923320	ACE American Insurance Company - NAIC # 22667	CA, AZ, MA
SCF C66923368	ACE American Insurance Company - NAIC # 22667	WI Retro

POLICY NUMBER: HDO G7123311A

COMMERCIAL GENERAL LIABILITY
CG 20 10 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
Any Owner, Lessee or Contractor whom you have agreed to include as an additional insured under a written contract, provided such contract was executed prior to the date of loss.	All locations where you are performing ongoing operations for such additional insured pursuant to any such written contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER: HDO G7123311A

Endorsement Number: 5

COMMERCIAL GENERAL LIABILITY
CG 20 37 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
Any person or organization whom you have agreed to include as an additional insured under a written contract, provided such contract was executed prior to the date of loss.	All locations where you perform work for such additional insured pursuant to any such written contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER: HDO G7123311A

Endorsement Number: 7

COMMERCIAL GENERAL LIABILITY
CG 24 04 05 09

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization: Any person or organization against whom you have agreed to waive your right of recovery in a written contract, provided such contract was executed prior to the date of loss.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

Workers' Compensation and Employers' Liability Policy

Named Insured AECOM 999 TOWN & COUNTRY ROAD ORANGE CA 92868	Endorsement Number Policy Number Symbol: WLR Number: C66923320
Policy Period 04-01-2020 TO 04-01-2021	Effective Date of Endorsement 04-01-2020
Issued By (Name of Insurance Company) ACE AMERICAN INSURANCE COMPANY	

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

CALIFORNIA WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement applies only to the insurance provided by the policy because California is shown in Item 3.A. of the Information Page.

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule, but this waiver applies only with respect to bodily injury arising out of the operations described in the Schedule, where you are required by a written contract to obtain this waiver from us.

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

Schedule

1. ( ) Specific Waiver
   Name of person or organization:

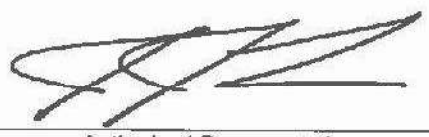
   (X) Blanket Waiver
   Any person or organization for whom the Named Insured has agreed by written contract to furnish this waiver.

2. Operations:
   ALL OPERATIONS CONDUCTED BY AN INSURED PURSUANT TO SUCH WRITTEN CONTRACT

3. Premium:

   The premium charge for this endorsement shall be 1.0 percent of the California premium developed on payroll in connection with work performed for the above person(s) or organization(s) arising out of the operations described.

4. Minimum Premium: $0



Authorized Representative

County of San Diego

DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING SECTION

APPLICATION FOR TRAFFIC CONTROL PERMIT -- TCP-4, TCP-6, TCP-7C OR TCP-9

(type of traffic control: flag, shift, etc.)

DPW2020-RWTCP-01442

County of San Diego
DPW / Traffic Engineering (MS 0332)
5510 Overland Ave, Suite 410
San Diego, CA 92123-1239

telephone/voice mail: (858) 694-3863
secretary: (858) 694-3850
fax: (858) 694-3928
e-mail:
DPWTrafficControl.permit@sdcounty.ca.gov

ENCROACHMENT/EXCAVATION/CONSTRUCTION PERMIT # DPW2020-RWEXCP-73944

Applicant Information

Company: AECOM
Agent/Applicant: SARAH PERHALA
Agent Phone Number: 860-581-0562 Agent Email Address: SARAH.PERHALA@AECOM.COM
Agent Mailing Address: 401 WEST A STREET, SUITE 1200
City: SAN DIEGO State: CA Zip Code: 92101

Reason for Traffic Control: TO PERFORM UP TO 12 SOIL BORINGS FOR PHASE II SITE ASSESSMENT FOR COUNTY OF SD DPW 13TH ST BRIDGE PROJECT

Start Date: 12/16/2020 Start Time: 07:30 AM
Finish Date: 04/01/2021 End Time: 04:00 PM

It is requested that a permit be granted for traffic control on the following street/streets:

STREET 1	MAPLE ST / THIRTEENTH ST	From Street	WALNUT ST	To	SR 67
STREET 2	WALNUT ST	From Street	AT MAPLE ST	To	

COMMUNITY RAMONA B 1152 F6 Thomas Bros. Map Page and Grid #

SIGNATURE ON APPLICATION (Agent's or Applicant's Signature) — 11/06/2020 (Date)

See Attached Plan (s) and Traffic Control Notes

This request is approved.

Director, Department of Public Works

By Huong Hoang **(For Road Commissioner)** — 12-10-2020 **(Date)**

CC: Construction Inspection
Ref: Sec 72.75. County Code of Regulatory Ordinances

DPW2020-RWTCP-01442

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING SECTION

APPLICATION FOR TRAFFIC CONTROL PERMIT SHOULDER CLOSURE /SPLIT LANE
Type of traffic control: flag, shift, etc.

County of San Diego
DPW Traffic Engineering Section
Room 470, MS O334
5510 Overland Ave, Suite 410
San Diego, CA 92123-1239

Telephone/voice mail:(858) 694-3863
Secretary (858) 694-3850
Fax (858) 694-3928
DPWTRAFFICCONTROL.PERMIT@SDCOUNTY.CA.GOV

AECOM PROJECT #60562978
COUNTY DPW CONTRACT #55414
SD DPW FEDERAL AID PROJECT #BRLO-NBIL(515)

Encroachment/excavation/construction permit # DPW2020-RWEXCP-73944

Applicant Information

Company AECOM

Agent/applicant PERHALA, SARAH
Last Name *First*

Agent Telephone # 860-581-0562 Agent Fax #

Agent Mailing Address: 401 WEST A STREET, SUITE 1200, SAN DIEGO, CA 92101
Street Name and Number *City* *State* *Zip Code*

Agent E-mail Address SARAH.PERHALA@AECOM.COM

Reason for Traffic Control: NEED SHOULDERS FOR SOIL BORINGS

Start Date: TBD Start Time: _____ a.m. / p.m.

Finish Date: TBD End Time: _____ a.m. / p.m.

It is requested that a permit be granted for traffic control on the fallowing street/streets:

STREET 1 WALNUT STREET From Street OLIVE STREET To MAIN STREET

STREET 2 MAPLE STREET From Street BRAZOS To END OF STREET

COMMUNITY _____ Thomas Brothers Map Page and Grid # _____

Signed Perhala, Sarah M. Digitally signed by Perhala, Sarah M. DN: cn=Perhala, Sarah M., ou=USRKH2 Date: 2020.11.06 11:26:37 -08'00' _____ _____
Agent or Applicant Date

See Attached Plan (s) and Traffic Control Notes

This request is:

APPROVED ☐ **DENIED** ☐

Director, Department of Public Works

By _____
For Road Commissioner

Ref: Section 72.75 County Code of Regulatory Ordinances

DPW Form #4(2/2014)

DPW COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS

TRAFFIC CONTROL PERMIT APPLICATION SUBMITTAL CHECKLIST

Application package must include the following requirements at a minimum. Application is subject to rejection if any of the following information is not completed.

☐ **Description/type of work being done** *(Ex. access manhole, replace overhead lines on existing poles, replace water service line, etc.)* Soil Borings

☐ **Roadway Characteristics:**

☐ **County Maintained Road** (Yes/No) Walnut Street and Maple Street
Information on County maintained roadways can be found at the link below:
https://www.sandiegocounty.gov/content/sdc/dpw/roads/maintroad.html

☐ **Work affecting other jurisdictions** (Yes/No) If yes, please list. NO

☐ **Road Classification on Mobility Element Map** Not on Mobility Element Map
(Ex. 2.2E Light Collector, 4.1A Major Road, Not on Mobility Element Map, etc.)
https://www.sandiegocounty.gov/pds/generalplan.html

☐ **Speed Limit** ~~25~~ UNPOSTED=RURAL RES
http://library.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:sandiegoco_ca_mc

☐ **# of Lanes** 2 Lanes

☐ **Roadway Width** 30 Feet

☐ **Centerline Striping** (Yes/No) NO

☐ **Bike Lanes** (Yes/No) NO

☐ **Sidewalk** (Yes/No) NO

☐ **Traffic Signal in County Right of Way** (Yes/No) NO

☐ **Traffic Signal in other jurisdiction** (Yes/No) NO

☐ **School zone within ½ mile of work zone** (Yes/No) If yes, list school hours. NO

☐ **Bus route or bus stops within work zone** (Yes/No) NO

https://www.sdmts.com/
http://www.gonctd.com/

☐ **Identify Community** *(Ex. Alpine, Valley Center, Spring Valley, etc.)* North Inland

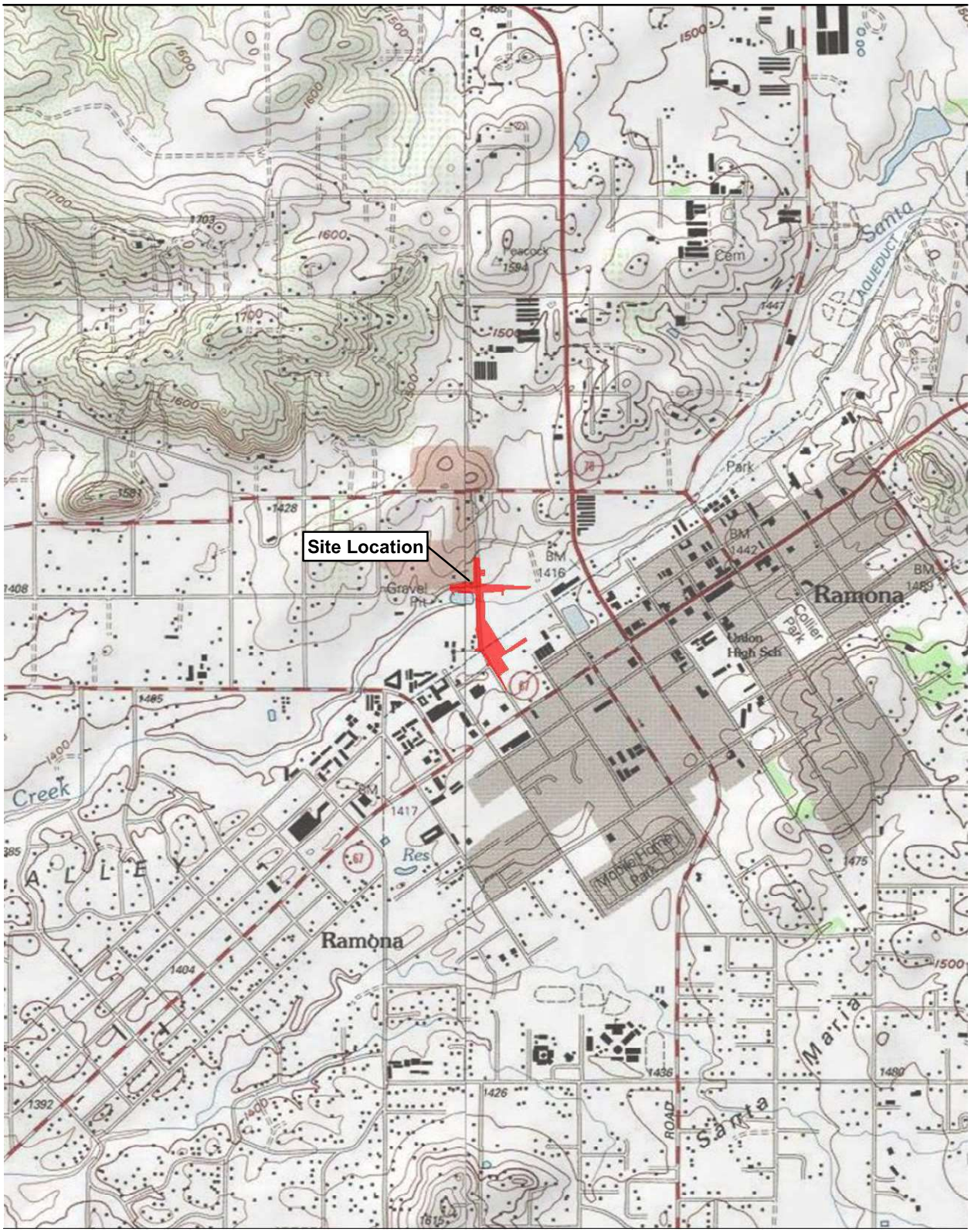
☐ **Overview map.** Show location and limits of work area (length, width), including road name and distance to cross streets. See Example #1.

☐ **Work site specific traffic control plans** (See Example #3)**, appropriate Manual on Uniform Traffic Control Devices (MUTCD) Chapter 6 Temporary Traffic Control, or appropriate San Diego Regional Standard Drawing (SDRSD) Appendix "A" Traffic Control Plans.** If submitting an SDRSD, please denote roadway width and work area dimensions on TCP. Include offsets of work area to points of interest (edge of pavement, adjacent lanes, etc.). See Example #2.

☐ **Traffic Control Permit Application signed and dated**.

I hereby certify the above information and attachments are true and correct to the best of my knowledge.

SARAH PERHALA	Perhala, Sarah M. Digitally signed by Perhala, Sarah M. DN: cn=Perhala, Sarah M., ou=USRKH2 Date: 2020.11.11 10:30:16 -08'00'	
Applicant Printed Name	Applicant Signature	Date



Source: USA Topo Maps.

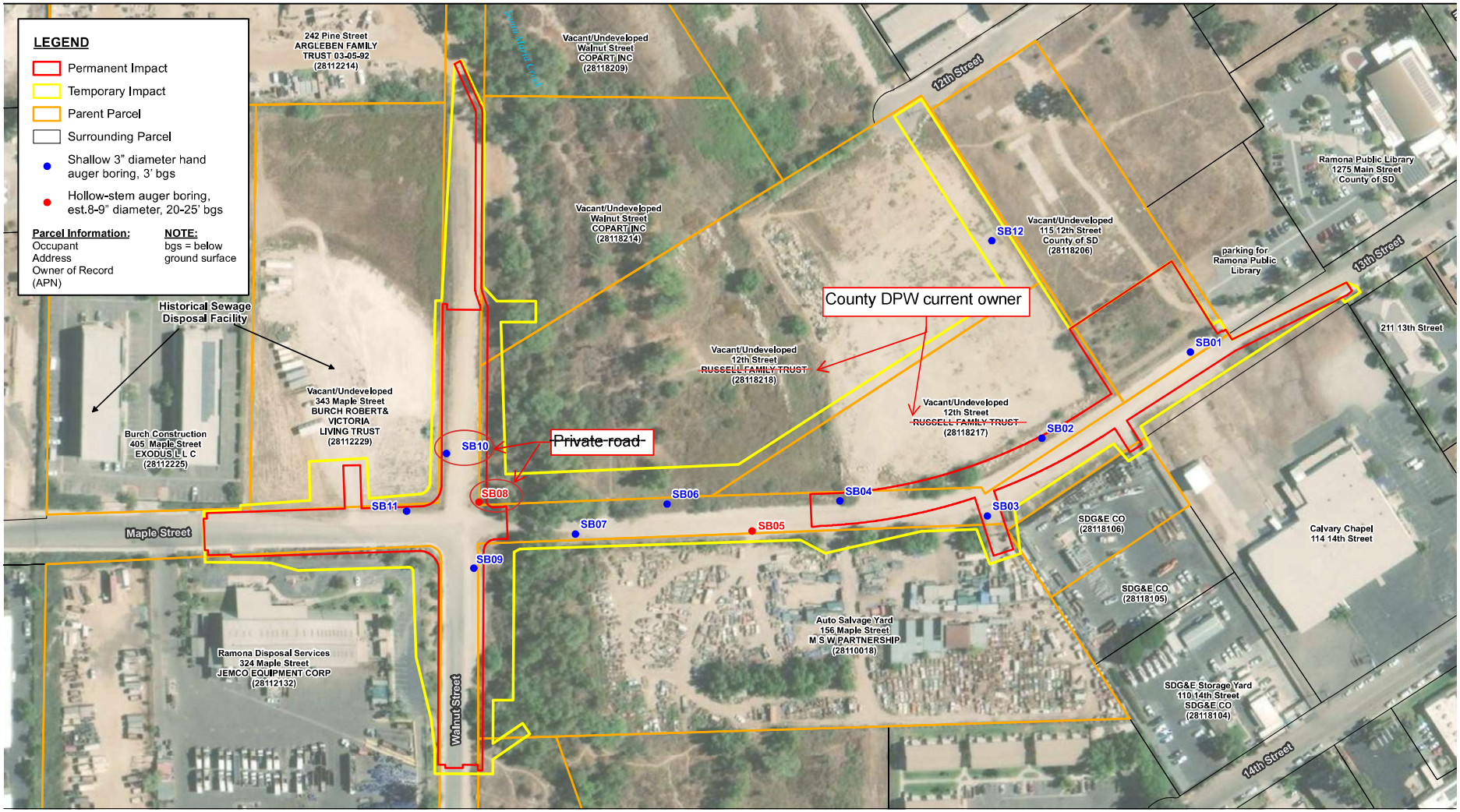
2,000 1,000 0 2,000 Feet

Scale: 1:24,000; 1 inch = 2,000 feet

Figure 1
Site Location Map

13th Street Bridge Project - Phase II Environmental Site Assessment

Path: P:_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig1_LocationMap.mxd, 11/14/2018, daniel.arellano



Source: Vivid Maxar 2019 (Imagery); SanGIS 2020 (Parcel Boundaries); Esri 2009 (Streets).

150 75 0 150 Feet

Scale: 1:1,800; 1 inch = 150 feet

Figure 2
Site Plan and Proposed Soil Borings
Phase II Environmental Site Assessment

Path: \\na.aecomnet.com\lfs\AMER\SanDiego-USSDG1\DCS\Projects_6056\60562978_13thStBridge\900-CAD-GIS\920 GIS\map_docs\mxd\Hazmat\Fig2_SitePlanSoilBorings.mxd, 10/30/2020, daniel.arellano

MAPLE ST / THIRTEENTH ST AND WALNUT ST

TRAFFIC CONTROL NOTES

Contractor shall make application to the Traffic Engineering Section of the Department of Public Works (Roads Division, 5510 Overland Ave, Suite 410, Rm 470, San Diego, CA, 92123-1239, Mail Station O332) for a traffic control permit, a minimum of three (3) weeks prior to commencement of work. For more complex projects, contractor shall allow for additional time for review. There is no fee for this permit.

All Traffic control plan(s) shall be in compliance with 2018 San Diego Regional Standard Drawings and the 2014 Revision 5 California, Manual Uniform Traffic Control Devices (CAMUTCD), Chapter 6 Temporary Traffic Control.

PROJECT SPECIFIC TRAFFIC CONTROL

Road name and work location radius/scope: **MAPLE ST / THIRTEENTH ST AND WALNUT ST**

Road traffic control operations: **LANE SHIFT AND SHOULDER CLOSURE OR FLAGGING**

Type of work:
TO PERFORM UP TO 12 SOIL BORINGS FOR PHASE II SITE ASSESSMENT FOR COUNTY OF SD DPW 13TH ST BRIDGE PROJECT

Traffic control shall be in accordance with 2018 San Diego Regional Standard Drawings TCP-4, TCP-6, TCP-7C. or TCP-9. The Contractor shall maintain 12’ minimum travel lanes (14’ minimum travel lanes where bike lanes exist) at all times.

Work hours shall be from 7:30 AM to 4:00 PM, Monday thru Friday.
****PLEASE CONTACT COUNTY INSPECTOR TO MODIFY WORKING HOURS****

The Contractor shall anticipate shorter work hours where work zone is within one half mile radius from a school. Due to peak volumes of pedestrian and vehicular traffic associated with schools, the Contractor shall be required to delay the start of construction operations until a minimum 30 minutes after school is in session and complete construction operations a minimum 30 minutes before school is out of session, at the discretion of the County Engineer. Contractor shall contact school at least 2 working days before work begins to identify potential conflict hours within the approved work hours.

When the work zone is confined to the road shoulder with minimal or no road encroachment, refer to Chapter 6H “Typical Applications” of the “California Manual on Uniform Traffic Control Devices” (CA MUTCD), latest edition.

ROAD CLOSURE

No full or partial Road Closure will be allowed.

NOTIFICATION

By agreeing to this Permit, permittee agrees that County of San Diego shall not be liable for, and permittee shall indemnify, hold harmless, and defend the County of San Diego and each of its officers and employees against any and all claims, demands, liability, judgments, awards, fines, mechanics' liens or other liens, labor disputes, losses, damages, expenses, charges or costs of any kind or character, including attorneys' fees and court costs (hereinafter collectively referred to as "Claims"), related to this Permit or the work covered by this Permit and arising either directly or indirectly from any act, error, omission or negligence of permittee or its contractors, licensees, agents, servants or employees, including, without limitation, Claims caused by the sole passive negligent act or the concurrent negligent act, error or omission, whether active or passive, of County of San Diego Parties.

For work from 7PM to 7AM, Mon. thru Fri., the Contractor shall obtain a variance from the Noise Control Officer in accordance with Section 36.424, "VARIANCES," of the County Code of Regulatory Ordinances. There is a fee for this variance. Please contact Souphie Sakdara at (858) 495-5214.

Whenever construction activity will disrupt or impede access to any residence/business, the contractor shall inform each affected residence/business by written notice the nature and expected duration of the disruptive construction activity. Such written notice shall be delivered to each affected residence/business a minimum of five (5) business days prior to the start of the disruptive construction activity.

SIGNING

All signs shall conform to the guidelines set forth in the latest edition of Part 2 "Signs" and Part 6, "Temporary Traffic Control" of the "California Manual on Uniform Traffic Control Devices for Streets and Highways" (CA MUTCD).

The Contractor shall place "Tow-Away/No Parking" signs along the street 24 hours prior to the impending work. "Tow-Away/No Parking" signs shall be furnished by the Contractor and shall contain the following information: the day(s) and time during which parking will be prohibited, the name of contractor, and the contractor's/tow yard's contact number. Contractor shall remove these signs immediately when they are no longer needed for use in the respective area of the project. If work is delayed or rescheduled for any reason after placement of "Tow-Away/No Parking" signs, sign(s) shall be removed and re-dated signs shall be installed two (2) days in advance of the impending work.

All signs shall be in place prior to start of construction.

All other signs shall be standard size unless otherwise noted. All advance warning signs shall be per MUTCD (CA) or 36" x 36" minimum, whichever is greater.

For work zone lasting more than four weeks, all W20-1 or C23, and curve warning signs shall be mounted on 4"x 4" wooden posts at standard height and equipped with type "B" high-intensity flashers, unless otherwise noted.

Temporary Traffic Control Signs shall be on a portable type installation.

Post-mounted signs shall remain in place at all times until construction is completed. Other signs required for traffic control shall be laid down or covered during non-working hours.

Temporary Traffic Control Devices shall comply with section 12-3 of Caltrans Standard Specifications unless otherwise noted.

All advance-warning signs for night closures shall be illuminated.

Placement of all signs shall not interfere with sight distance at driveways and intersections.

Position of post-mounted signs may be adjusted as necessary to optimize visibility or sign and/or obtain suitable placement area.

W20-1 signs and all other yellow or orange signs shall have a reflective background constructed of at least high-intensity (Type III) retroreflective sheeting.

All signs shall be equipped with orange flags and signs mounted on barricades shall have flashers on roads posted 50 MPH or higher.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

PCMS shall comply with Section 6F.60 of the CA MUTCD.

Minimum of Two PCMS shall be considered when Road Closures (Partial or full) are necessary with detours.

STRIPING

No striping changes will be allowed to start on a Friday, unless otherwise noted and approved by the County Traffic Engineer.

Contractors shall layout and stripe all interim and final striping.

Contractor shall install all interim and final pavement markers, temporary tabs, and channelizers.

All striping changes shall be the responsibility of the Contractor. Striping modifications (due to construction), which exceed one (1) week in duration, require sandblasting. All sandblasting required by said striping changes shall be completed within 24 hours of that change.

All obliterated striping, raised pavement markers, pavement paint legends and markings, shall be reflectorized and replaced by the Contractor. Markings in thermoplastic shall be replaced in kind.

TRAFFIC SIGNAL LOOP DETECTORS

Signal equipment, such as loop detectors, damaged by the Contractor shall be replaced by the Contractor within 48 hours from time of damage.

DEVICES

Actual work area shall be protected with either orange reflectorized channelizing devices or by barricades equipped with type "A" flashers sufficient in number to prevent entry of both vehicles and pedestrians except as may be noted elsewhere. At no time shall a continuous row of flashers be used adjacent to a lane of traffic. Only steady-burn type "C" lamps shall be used under these circumstances.

All cones and/or post delineators shall be fitted with reflective sleeves of the appropriate color.

If used, all type "B" flashers shall operate 24 hours a day.

FLAGGING

Flagging operation shall use alternate one-way movement to pass traffic through the construction area.

Traffic shall be controlled at all times by flaggers. Flaggers shall be in constant communication with each other during the flagging operation. Advance flaggers shall be positioned upstream to warn traffic when queues develop. Additional flaggers may be required at intersections.

Where the one-lane section is short enough so that each end is visible from the other end, traffic will be controlled by means of a flagger at each end of the section. They should be able to communicate with each other verbally or by means of signals. These signals should not be such as to be mistaken for flagging signals. Where the end of one-way section is not visible from the other end, the flaggers shall maintain contact by means of radio or field telephones so that a flagger may know when to allow traffic to proceed into the section.

Flaggers shall be positioned near crest of hill allowing flaggers sufficient visibility of approaching traffic.

Flaggers shall be positioned so that they are easily visible to approaching traffic.

Flagger stations for work at night shall be illuminated as referenced in Part 6 of the "California Manual on Uniform Traffic Control Devices for Streets and Highways" (CA MUTCD), latest edition.

Where a one-lane temporary traffic control zone is short enough to allow visibility from one end to the other, traffic may be controlled by a single flagger. When a single flagger is used, the flagger shall be stationed on the shoulder opposite the obstruction or work space, or in a position where good visibility and traffic control can be maintained at all times.

If unable to utilize an alternate one-way flagging operation, Contractor shall contact Department of Public Works, Roads Division at (858) 694-3850 three (3) weeks prior to the proposed closure to determine its appropriateness. If a road closure is deemed appropriate, proper advanced notification (information signs, mailed and verbal notifications) is necessary to the emergency services, police services, businesses, residents and school districts.

ACCESS

Emergency vehicle access shall be maintained at all times.

Mail service, trash service, and school bus access shall be maintained at all times.

Motorist delay time shall not exceed 15 minutes unless otherwise approved by the County Traffic Engineer.

Contractor shall maintain access to all private driveways within the construction area at all times. If continuous access cannot be maintained, access must be provided as needed.

Adequate provisions shall be made for pedestrian traffic.

Adequate sight distance shall be maintained at all intersections in the vicinity of the work zone. If sight distance is affected by the traffic control, the contractor shall provide adequate distance per the County of San Diego Public Road Standards. Flaggers may be needed. The use of mirrors is not permitted as an alternative to providing adequate sight distance.

GENERAL

The Contractor shall be responsible for supplying, installing and maintaining all traffic control devices as shown on the plan along with additional traffic control devices that may be required to ensure safe movement of traffic and pedestrians through work area.

The Contractor shall be responsible for coordinating with any Special Events that will be affected in the area of the impending work and the Contractor shall be responsible for coordinating with other traffic control work zones, unless approved by County Inspector. The Contractor shall maintain 500 feet between beginning and end of work zone signage. Updated Special Event and Temporary Traffic Control information within the County may be found at the following link: https://www.sandiegocounty.gov/content/sdc/dpw/roads/roadclose.html

The provisions of this section may be modified or altered if, in the opinion of the engineer, public traffic will be better served and the work expedited. Said modifications or alterations shall not be adopted until approved in writing by the engineer.

The Contractor shall minimize the active construction zone to 250 feet to 500 feet unless approved by County Inspector.

The Contractor shall maintain maximum closure length based on work that can be completed at the end of the workday.

During non-working hours, the Contractor shall provide the full road width, which existed prior to the start of construction.

Bore shall offset 24” minimum from any streetlight and signal foundation and shall not occur beneath any streetlight and signal foundation.

All dirt and debris shall be removed from the roadway each day before completion of work. Street must be maintained in drivable condition at all times. Contractor shall not use the County right of way for storage of materials and equipment.

All Traffic Control devices, including advance warning signs, delineators, and barricades shall be removed from the roadway at the end of work each day (except W20-1 signs, if plate-bridging overnight.)

The Contractor is to restore roadway and all signing to prior conditions at the completion of work.

The Contractor shall coordinate their work with impacted agencies, San Diego Metropolitan Transit System (MTS), private road owners and/or Home Owner Associations (HOA). Some agencies may require up to two weeks lead time.

Unless the work is specifically requested by the Engineer, or is Emergency in nature, no work will be performed on the following, County observed holidays:

New Year's Day
Martin Luther King Jr. Day
President's Day
Cesar Chavez Day
Memorial Day
Independence Day
Labor Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving Day
Christmas Day

TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES AND MINIMUM TAPER LENGTH

A	B	C		
		MINIMUM TAPER LENGTHS (L) (FEET) FOR 12–FOOT LANE		
APPROACH SPEED (S) (MPH)	MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	L	1/2L	1/3L
25	100	125	63	42
30	250	180	90	60
35	250	245	123	82
40	350	320	160	107
45	500	540	270	180
50	500	600	300	200
55+	1000	660	330	220

L FOR MERGE TAPER
1/2L FOR SHIFT TAPER
1/3L FOR SHOULDER TAPER

TABLE 2

RECOMMENDED TAPER LENGTH AND MAXIMUM CHANNELIZER/CONE SPACING

A	B	C		
		MAX CONE SPACING		
APPROACH SPEED (S) (MPH)	BUFFER LENGTH (FEET)	TAPER	TANGENT	CONFLICT(*)
25	155	25	50	12
30	200	30	60	15
35	250	35	70	17
40	305	40	80	20
45	360	45	90	22
50	425	50	100	25
55+	495	55	100	27

(*) FACING OPPOSING TRAFFIC, ADJACENT TO WORK AREA OR CONFLICTING WITH EXISTING STRIPING

NOTES:

Taper Formula

$L = S \times W$ FOR SPEEDS GREATER THAN 40 MPH

$L = \frac{W \times S^2}{60}$ FOR SPEEDS OF 40 MPH OR LESS

WHERE:

L = MINIMUM LENGTH OF TAPER (FEET)

S = APPROACH SPEED (MPH) = POSTED SPEED LIMIT OR OFF–PEAK 85TH % SPEED PRIOR TO WORK STARTING OR ANTICIPATED OPERATING SPEED

W = WIDTH OF OFFSET (FEET)

Revision	By	Approved	Date
Revised	BUSS		2/11
Reviewed	DG	T.Stanton	9/15
Reviewed	TC	T.Cotter	10/18

SAN DIEGO REGIONAL STANDARD DRAWING

DEVICE SPACING TABLES

SIGN SPACING TABLE

TAPER LENGTH AND CONE SPACING TABLE

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

T.Stanton 10/25/18

Chairperson R.C.E. 19246

DRAWING NUMBER TCP–04

TRAFFIC CONTROL PLAN/PERMIT & PERMIT EXTENSION

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson R.C.E. 19246 — 10/25/18

DRAWING NUMBER TCP-05A

SAN DIEGO REGIONAL STANDARD DRAWING

COVER SHEET

TRAFFIC CONTROL PLAN

Public Utility or Company:	AECOM	Project Contact:	SARAH PERHALA	24 Hour Local Phone:	619-610-7750
Address:	401 WEST A STREET, SUITE 1200			Cellular:	860-581-0562
City:	SAN DIEGO	State: CA	Zip Code: 92101	Pager:	
				Fax:	

Contractor/ Subcontractor:	ABC LIOVIN DRILLING	Project Contact:	VAN PHAN	24 Hour Local Phone:	562-981-8575
Address:	1180 EAST BURNETT STREET			Cellular:	562-714-9198
City:	SIGNAL HILL	State: CA	Zip Code: 90755	Pager:	
				Fax:	

JOB LOCATION	BEGIN CROSS STREET	END CROSS STREET	PERMIT NO.
WALNUT STREET / MAPLE STREET RAMONA, CA			AECOM PROJECT #60562978 COUNTY DPW CONTRACT #55414 SD DPW FEDERAL AID PROJECT #BRLO-NBIL(515)

WORK HOURS	SPEED LIMIT	WORK TO BE DONE	THOMAS BROS. PAGE:
FROM 9AM A.M. P.M. TO 3PM A.M. P.M. continuous	25	SOIL BORINGS	COORD.:

START DATE	END DATE	1st WORK DATE EXTENSION FROM	TO NEW END DATE	2nd WORK DATE EXTENSION FROM	TO NEW END DATE
TBD					

PERMIT WORK EXTENSIONS MUST BE OBTAINED BEFORE THE END OF PERMIT DATE

REQUIREMENTS:

1. The contractor is responsible for promptly restoring the road back to satisfactory condition which includes, but is not limited to, paving, striping, markings, signing, and loop detection.

2. The Agency reserves the right to observe these traffic control plans in operation and to make changes as field conditions warrant.

3. Trenches shall be back-filled or steel-plated during non-work hours. Steel plates shall have an asphaltic ramp on all edges, or recessed and flush w/road surface securely supported so they won't rock and a sign posted near the plates identifying the contractors name and 24 hour emergency telephone number.

3. (cont.) All dirt, dust, and debris shall be removed from the street at the end of each day and at the end of the job with All USA markouts. The street shall be kept in a driveable condition at all times.

4. Any work that creates an undue safety risk or that creates severe congestion may be shut down by the agency.

5. A copy of all traffic requirements and traffic control plans issued by the Agency must be kept on the job site.

6. Approval of this plan does not constitute an official Permit. Contact the Agency for information on obtaining a permit.

7. All travel lanes will typically be a minimum of 12 feet wide, 14 feet if adjacent to closed bike lanes, unless otherwise specifically approved by the Agency.

8. Flashing arrow boards as required by the Agency.

9. Warning (W) series signs used in work zones shall be Black on an Orange background.

10. Cones and pylons shall have white reflectorized sleeves when placed along the centerline or along the outside shoulder.

11. If parking is allowed in the advance warning area, advance warning signs shall be mounted on high level devices.

12. All conflicting signs shall be covered

13. The contractor shall post tow-away/no parking signs at least fourty eight (48) hours in advance, with the day of week, date and work hours noted, and shall bag parking meters (where applicable). *

SUBJECT TO LOCAL AGENCY REQUIREMENTS

THIS TRAFFIC CONTROL PLAN IS NOT VALID UNLESS AN APPLICABLE AGENCY PERMIT OR APPROVAL IS ATTACHED/AFFIXED.

The applicant is responsible for complete representation of the actual road conditions shown on this plan including, but not limited to, existing striping and marking, signing, sidewalks, and bike lanes.

APPLICANTS:

Name (print) SARAH PERHALA

Address 401 WEST A STREET SUITE 1200

Phone Number 860-581-0562

Signature

Agent of:

- ☐ Owner
- ☒ Contractor
- ☐ Sign/Barricade co.
- ☐ Other

(CITY STAMP HERE)

PERMIT APPROVED

By:

DATE:

SEE ATTACHED SHEET(S) OR REFERENCED STANDARD DRAWING(S) THAT MAY BE APPLICABLE

Revision	By	Approved	Date
Revised	Buss		2/11
Revised	DG	T.Stanton	9/15
Revised	TC	T.Cotter	10/18

TRAFFIC CONTROL PLAN/PERMIT & PERMIT EXTENSION

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson R.C.E. 19246 — 10/25/18

DRAWING NUMBER TCP-05B

SAN DIEGO REGIONAL STANDARD DRAWING

COVER SHEET

TRAFFIC CONTROL PLAN

Revision	By	Approved	Date
Revised	Buss		2/11
Revised	DG	T.Stanton	9/15
Revised	TC	T.Cotter	10/18

Public Utility or Company: AECOM
Project Contact: SARAH PERHALA
Address: 401 WEST A STREET, SUITE 1200
City: SAN DIEGO State: CA Zip Code: 92101

24 Hour Local Phone: 619-610-7750
Cellular: 860-581-0562
Pager:
Fax:

Contractor/ Subcontractor: ABC LIOVIN DRILLING
Project Contact: VAN PHAN
Address: 1180 EAST BURNETT STREET
City: SIGNAL HILL State: CA Zip Code: 90755

24 Hour Local Phone:
Cellular:
Pager:
Fax:

JOB LOCATION	BEGIN CROSS STREET	END CROSS STREET	PERMIT NO.
WALNUT STREET / MAPLE STREET RAMONA, CA			AECOM PROJECT #60562978 COUNTY DPW CONTRACT #55414 SD DPW FEDERAL AID PROJECT #BRLO-NBIL(515)

WORK HOURS	SPEED LIMIT	WORK TO BE DONE	THOMAS BROS. PAGE:
FROM 9AM A.M. P.M. TO 3PM A.M. P.M. continuous	25	SOIL BORINGS	COORD.:

START DATE	END DATE	1st WORK DATE EXTENSION FROM	TO NEW END DATE	2nd WORK DATE EXTENSION FROM	TO NEW END DATE
TBD					

PERMIT WORK EXTENSIONS MUST BE OBTAINED BEFORE THE END OF PERMIT DATE

REQUIREMENTS (continued):

14. Place W20-1 and G20-2 signs on all side streets with the construction zone and per TCP-4 as field conditions permit.
15. Flaggers shall be illuminated at night per the most current CA MUTCD.
16. All traffic control devices shall conform with the most current CA MUTCD requirements regarding minimum retro-reflectivity, minimum size, minimum mounting heights, and usage. Larger device sizes may be specified by the Agency.
17. Traffic control signs shall not be modified in the field with duct tape, electrical tape, or any other non-approved method.
18. The Contractor shall be responsible for identifying the locations of schools that will be affected in the area of the impending work. Due to peak volumes of pedestrian and vehicular traffic associated with schools, the Contractor may be required to delay the start of construction operations until after school is in session and complete construction operations before school is out of session.
19. Existing signs that conflict with temporary traffic control may be bagged, convered, and removed by the Contractor per the Agency. Signs that are removed shall be handled with care so that they may be later re-installed or returned to the Agency in good condition as directed by the Agency.
20. Contractor shall notify all affected emergency services at least one (1) week in advance.
21. For signalized intersections, the Contractor shall coordinate with Agency to determine how to operate the signal.

SUBJECT TO LOCAL AGENCY REQUIREMENTS

THIS TRAFFIC CONTROL PLAN IS NOT VALID UNLESS AN APPLICABLE AGENCY PERMIT OR APPROVAL IS ATTACHED/AFFIXED.

The applicant is responsible for complete representation of the actual road conditions shown on this plan including, but not limited to, existing striping and marking, signing, sidewalks, and bike lanes.

APPLICANTS:
Name (print) SARAH PERHALA
Address 401 WEST A ST. SUITE. 1200
Phone Number 860-581-0562
Signature

Agent of:
- ☐ Owner
- ☒ Contractor
- ☐ Sign/Barricade co.
- ☐ Other

(CITY STAMP HERE)

PERMIT APPROVED

By:
DATE:

SEE ATTACHED SHEET(S) OR REFERENCED STANDARD DRAWING(S) THAT MAY BE APPLICABLE

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson R.C.E. 19246 — 10/25/18

DRAWING NUMBER TCP-07C-MOD

SAN DIEGO REGIONAL STANDARD DRAWING

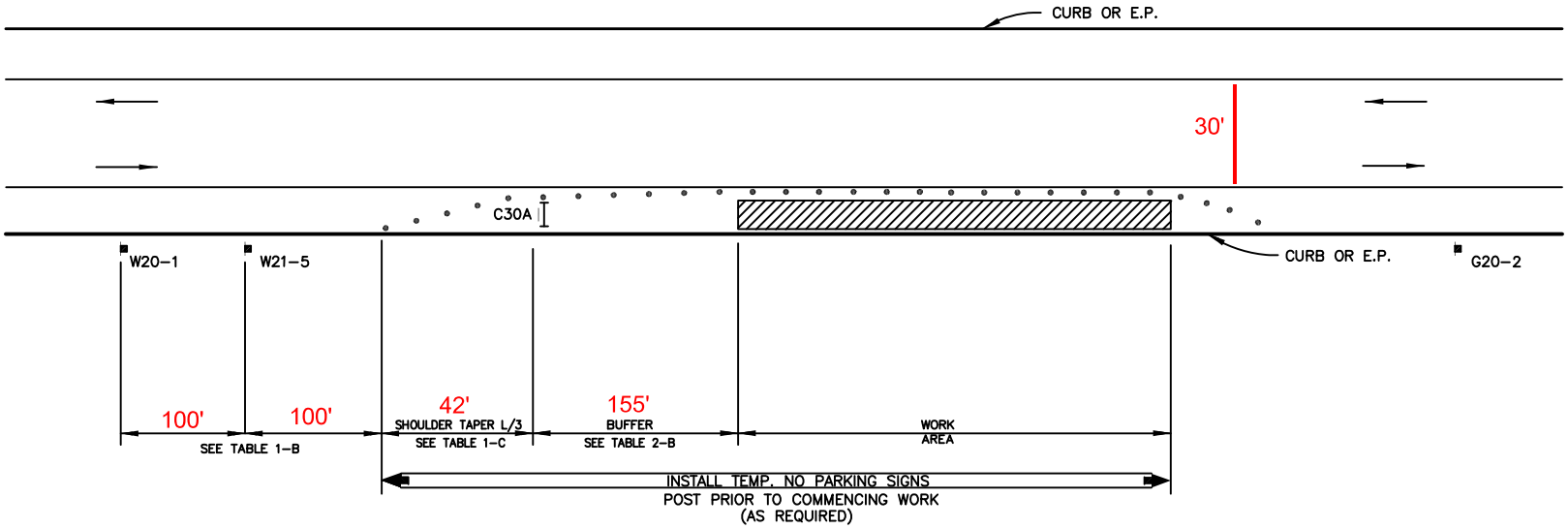
SIDE OF ROAD WORK AREA

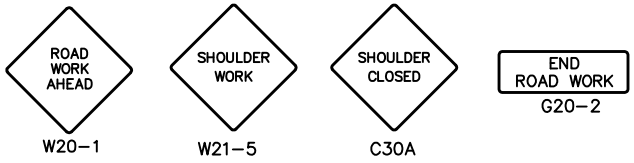
SHOULDER CLOSURE

Revision	By	Approval	Date
Revised	BUSS		2/11
Revised	DG	T.Stanton	9/15
Revised	TC	T.Stanton	1/18
Revised	TC	T.Cotter	10/18

This closure to be used in all locations.

Due to landscape and surrounding vegetation there is possibility of using TCP-06-MOD in lieu of this traffic plan. Traffic technician on site will make determination.





LEGEND

● CONE — BARRICADE — FLAGGER — SIGN — FLASHING ARROW SIGN — WORK AREA — TRAFFIC DIRECTION

Revision	By	Approved	Date
Revised	BUSS		2/11
Revised	DG	T.Stanton	9/15
Revised	TC	T.Stanton	10/18

SAN DIEGO REGIONAL STANDARD DRAWING

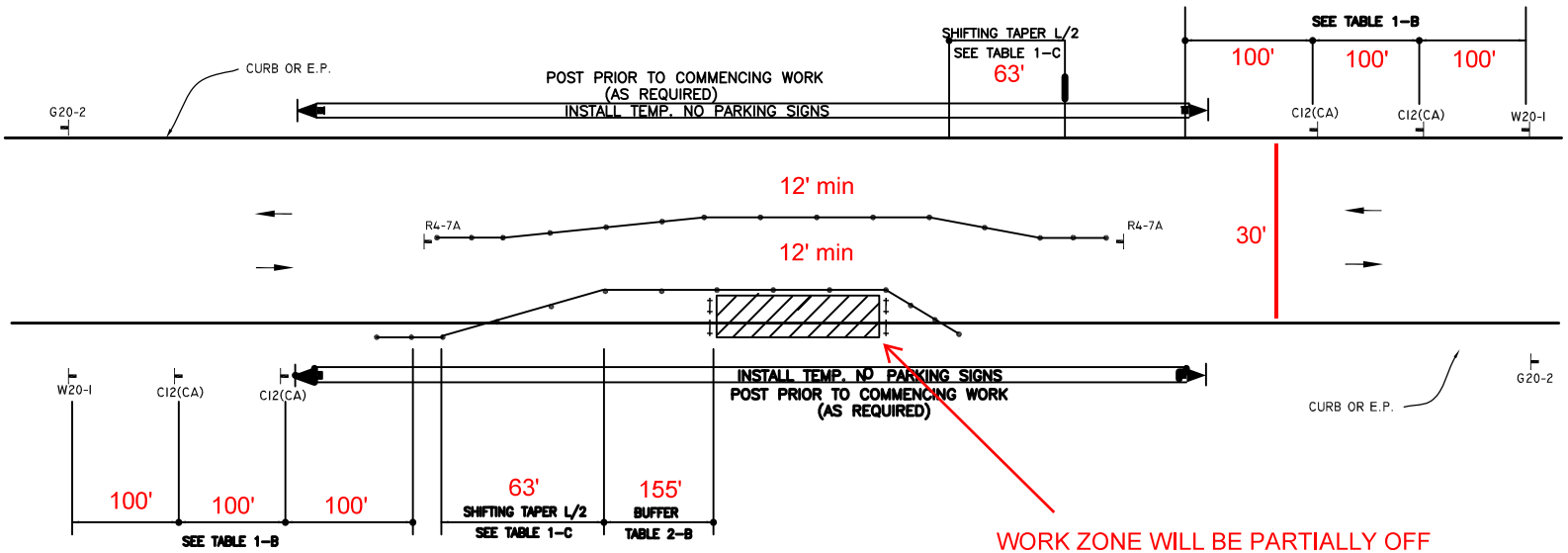
SIDE OF ROAD WORK AREA

TWO LANE TRAFFIC CONTROL
WITHOUT CENTERLINE

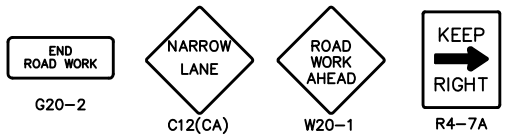
RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson R.C.E. 19246 — 10/25/18

DRAWING NUMBER TCP-06-MOD



WORK ZONE WILL BE PARTIALLY OFF
TO SHOULDER WHERE APPLICABLE
TO MAINTAIN 12' MIN IN TRAVEL LANES.
TRAFFIC TECHNICAN ON SITE
TO MAKE DETERMINATION.



LEGEND

● CONE | BARRICADE | FLAGGER | SIGN | FLASHING ARROW SIGN | WORK AREA | TRAFFIC DIRECTION

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson R.C.E. 19246 — 10/25/18

DRAWING NUMBER TCP-09

SAN DIEGO REGIONAL STANDARD DRAWING

SIDE OF ROAD WORK AREA

TWO LANE TRAFFIC CONTROL WITH FLAGGERS

LEGEND

● CONE | BARRICADE | FLAGGER | SIGN | FLASHING ARROW SIGN | WORK AREA | TRAFFIC DIRECTION

Revision	By	Approved	Date
Revised	BUSS		2/11
Revised	DG	T.Stanton	9/15
Revised	TC	T.Cotter	10/18

Appendix C

Geophysical Evaluation Report – Subsurface Surveys, Inc.

SubSurface Surveys
& Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011
Office: (760) 476-0492
Fax: (760) 476-0493

January 4, 2021

AECOM
401 West A Street, Suite 1200
San Diego, CA 92101

Project No. 21-001

Attn: Sara Perhala

Re: Geophysical Investigation, 13th Street Bridge Project, Ramona, California

This report is to present the results of our geophysical survey carried out over the roadway associated with the 13th Street Bridge Project in Ramona, California (Figure 1). The survey was performed on January 4, 2021, and its purpose was to locate and identify, insofar as possible, the existence of any pipes, conduits, utilities, and other underground obstructions within the vicinity of three (3) proposed boreholes scheduled for drilling.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were brought to the field with anticipation of use. Utility locators with line tracing capabilities were also used where applicable.

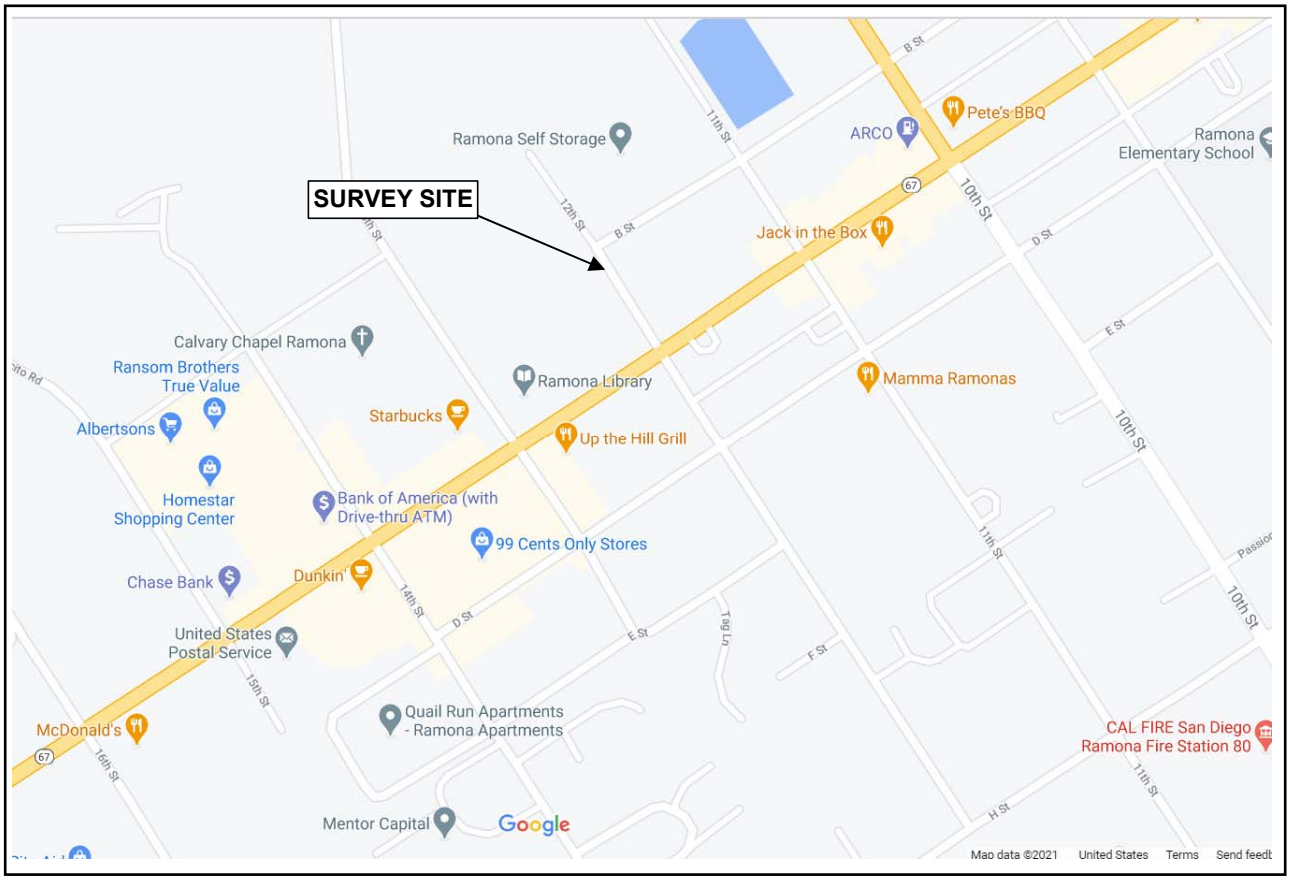


FIGURE 1 – Site location map

Survey Design – The areas to be surveyed were identified in the field by the client. It included three (3) proposed boreholes within the gravel paved roadway.

In site situations and survey objectives such as this, the best use of time is achieved by systematically free-traversing with the instruments while monitoring them continuously to determine which responses are significant and due to true subsurface targets, and which are due to other non-target or above-ground features and must be ignored. Where applicable, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without the need to first download and process data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

A Fischer TW-6 M-Scope was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-

way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were verbally relayed to the client, and further documented with site photographs (Figures 2-4).

Utilities detected within the survey areas were marked out with spray paint using green for sewer/storm drain.

Once completed, the proposed boreholes were marked with an orange feather chaser and spray-painted with a white circle and yellow “SSS” to indicate that Subsurface Surveys personnel had investigated them.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby power lines or EM transmitters, highly conductive background soil conditions, limited GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data generated on this project are in confidential file in this office and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.

Daniel L. Matticks, MS
Staff Geophysicist

Travis Crosby, GP# 1044
Senior Geophysicist

Figure 2

Figure 3

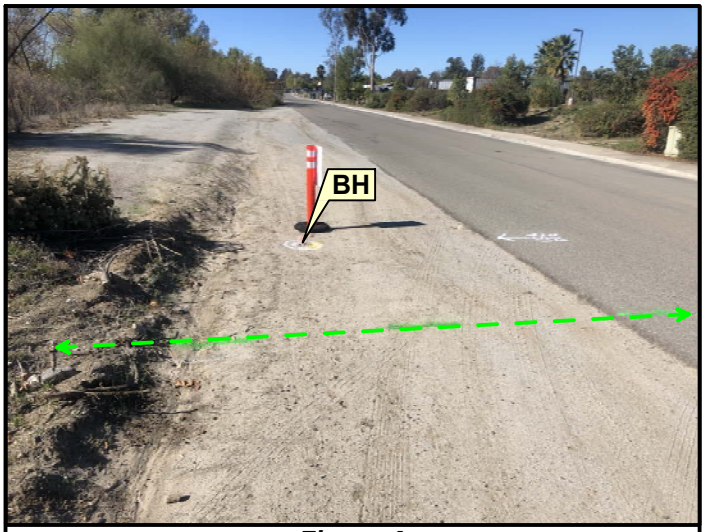


Figure 4

Sub Surface Surveys	SITE: **13th Street Bridge Project** **Ramona, California**	TITLE: **Borehole Photographs**	SURVEY DATE: **January 4, 2021**
		PREPARED FOR: **AECOM**	SSS PROJECT NO: **21-001**

Appendix D

Boring Logs

LOG OF EXPLORATION BORING NO. SB01

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB01-0-0.5		<----- Hand augered ----->	Brown, fine to medium, silty SAND, dry, subangular to subrounded.
1	SM				Reddish brown, fine to medium, silty SAND, dry, subangular to subrounded.
	SM	SB01-1.0-1.5			Same as above
2	SM				Same as above
		SB01-2.5-3.0			Increasing fines
3	SM				Reddish brown, fine to medium, silty SAND, dry, subangular to subrounded.
					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB02

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB02-0-0.5		<----- Hand augered ----->	Brown, fine to coarse grained, silty SAND, trace gravel, dry, angular to subrounded.
1	SM				Increasing fines, brown, fine to medium grained, silty SAND, trace gravel, dry, angular to subrounded. 2" of asphalt from 11" to 13" bgs.
		SB02-1.0-1.5			
	SM				Reddish brown, fine to medium grained, silty SAND, trace gravel, dry, angular to subrounded.
2	SM				Same as above
	SM				Same as above
		SB02-2.5-3.0			
	SM				Same as above; trace rounded gravel
3					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB03

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB03-0-0.5		<---- Hand augered ---->	Dark Brown, fine to medium, silty SAND, dry, trace coarse sand, micaceous.
1	SM				Dark Brown, fine to medium, silty SAND, moist, trace coarse sand, micaceous.
		SB03-1.0-1.5			
2	SM				Same as above
		SB03-2.5-3.0			
3	SM				Same as above
					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB04

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SP	SB04-0-0.5		<----- Hand augered ----->	Brown, fine to coarse grained, SAND with silt, dry, angular to subrounded.
1	SM				Brown, fine to coarse grained, silty SAND, moist, rounded to subrounded, few gravel.
		SB04-1.0-1.5			
	SM				Dark brown, fine to medium grained, silty SAND, trace gravel, micaceous.
2	SM				Same as above; no gravel
		SB04-2.5-3.0			
3					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SBO5

Logged by: BMC **Date Drilled: 1/8/2021**

Method of Drilling: Hollow Stem Auger

Other Information: 8" Auger

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB05-0-0.5	0.0	<----- Hand augered ----->	Dark brown, fine to medium, silty SAND, some gravel (less than 10%), dry, soft.
		SB05-1.0-1.5	0.0		
		SB05-2.5-3.0	0.0		small asphalt pieces observed
5	SM	SB05-5.0-5.5	0.0		becomes moist
					becomes wet
10		SB05-9.5-10.0	0.0		
	SW		0.0		▼ Grayish brown, fine to medium SAND, wet, soft.
		SB05-14.0-14.5			saturated
15					
20					Boring terminated at approximately 19 feet bgs on January 8, 2021. Groundwater measured shortly after drilling at approximatley 12 feet bgs. Temporary well screen installed from 9 to19 feet bgs. Temporary well destroyed on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB06

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB06-0-0.5		<----- Hand augered ----->	Brown, fine grained, silty SAND, dry, rounded to subrounded.
1					One inch of asphal from 11" to 12"
	SM	SB06-1.0-1.5			Brown, fine to medium grained, silty SAND, dry, subangular to subrounded, trace gravel.
2	SM				Same as above
		SB06-2.5-3.0			
3	SM				Same as above
					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB07

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB07-0-0.5		<---- Hand augered ---->	Brown, fine to coarse grained, silty SAND, dry, trace coarse sand, subangular to subrounded, micaceous.
1	SM				Brown, fine to coarse grained, silty SAND, increasing sand, dry, subangular to subrounded, micaceous.
		SB07-1.0-1.5			
	SM				Reddish brown, fine to medium grained, silty SAND, increasing fines, dry, subangular to subrounded
2					
		SB07-2.5-3.0			
	SM				Same as above; trace pieces of concrete
3					
					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB08

Logged by: BMC **Date Drilled: 1/8/2021**

Method of Drilling: Hollow Stem Auger

Other Information: 8" Auger diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB08-0-0.5	0.0	<----- Hand augered ----->	Brown, fine to medium, silty SAND, some gravel (less than 10%), dry, soft.
		SB08-1.0-1.5	0.0		
		SB08-2.5-3.0			
	SW				Light brown, fine to medium SAND, very soft, dry.
5		SB08-4.5-5.0	0.0		
	SM				Brown, silty SAND with gravel (less than 10%), moist, soft.
		SB08-9.5-10.0	0.0		
10					increase in moisture
	SM-SC				Brown, sity clayey fine SAND with gravel (10%), wet, soft.
15	DG				Granitic Rock: Black, brown, and white, granitic rock; decomposed, medium to course sand to fine gravel, moist, loose. Poor sample recovery.
		SB08-18.0-18.5	0.0		▼
20		SB08-19.5-20.0	0.0		saturated

County of San Diego, 13th Street Bridge Project

AECOM

LOG OF EXPLORATION BORING NO. SB08, con't.

Logged by: BMC **Date Drilled: 1/8/2021**

Method of Drilling: Hollow Stem Auger

Other Information: 8" Auger

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	DG				Black, brown, and white, granitic rock; decomposed, medium to course sand to fine gravel, saturated, loose (continuted).
25					Boring terminated at approximately 25 feet bgs on January 8, 2021. Groundwater measured shortly after drilling at approximatley 19 feet bgs. Temporary well screen installed from 15 to 25 feet bgs. Temporary well destroyed on January 8, 2021.

LOG OF EXPLORATION BORING NO. SB09

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB09-0-0.5		<---- Hand augered ---->	Brown, fine to medium grained, silty SAND, dry, trace coarse sand, subangular to rounded.
1	SM				Same as above; decreasing fines
		SB09-1.0-1.5			
2					
		SB09-2.5-3.0			
3					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB10

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB10-0-0.5		<---- Hand augered ---->	Brown, fine to coarse grained, silty SAND, dry, angular to subangular.
1	SM	SB10-1.0-1.5			Dark brown, fine to coarse grained, silty SAND, increasing fines, dry, subangular to subrounded.
2	SM				Same as above
	SM	SB10-2.5-3.0			Same as above
3					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB11

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SP	SB11-0-0.5		<----- Hand augered ----->	Brown, fine to coarse grained, SAND with silt, dry, subangular to subrounded.
1	SP	SB11-1.0-1.5			Same as above
2	SP				Same as above
3	SP	SB11-2.5-3.0			Same as above; trace fine gravel
					Boring terminated at three feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

LOG OF EXPLORATION BORING NO. SB12

Logged by: MAC **Date Drilled: 1/8/2021**

Method of Drilling: Hand Auger

Other Information: 3" Auger Diameter

DEPTH (FT)	USCS	Sample	PID (ppb)	Sample Recovery	DESCRIPTION
	SM	SB12-0-0.5		<- Hand augered->	Brown, fine to coarse grained, silty SAND, dry, some gravel, angular to subrounded.
1	SM	SB12-1.0-1.5			Dark brown, fine to coarse grained, silty SAND, few gravel, dry, subangular to subrounded.
					Boring terminated at 1.5 feet bgs on January 8, 2021.

County of San Diego, 13th Street Bridge Project

Appendix E

Waste Disposal Manifests

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07		

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS ENVIRONMENTAL SERVICES UNIT, ATTN: KESHIA MONTIFOLCA 5510 OVERLAND AVE, SUITE 410 SAN DIEGO, CA 92123	858-694-3910 Person to Contact: FAX#:	Customer Account Number

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact: FAX#:	Customer Account Number

Generation Site (Transport from): *(name & address)*	Site Phone #:	
13TH STREET BRIDGE PROJECT 13TH STREET RAMONA, CA 92065	Person to Contact: FAX#:	

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	(800) 862-8001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	

Transporter Name and Mailing Address:	Transporter's Phone #:	
BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 326976	949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 1629169 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	002 DM	Soil			
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☑ Consultant ☐	Signature and date:	Month	Day	Year
Keshia Montifolca	[signature]	2	5	21

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Frank Torres	[signature]	3	2	21

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Joe Provansal / Barry Meek / Bill Bishop	

Please print or type.

GENERATOR/CONSULTANTS COPY

Appendix F

Laboratory Analytical Report and Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-48097-1
Client Project/Site: Ramona Bridge

For:
Bodhi Group Inc The
1076 broadway
Suite B
El Cajon, California 92021

Attn: Sree Gopinath

Terri Chang

Authorized for release by:
1/26/2021 10:56:56 PM

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

Table of Contents

Definitions/Glossary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Job ID: 570-48097-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-48097-1

Comments
No additional comments.

Receipt
The samples were received on 1/11/2021 7:50 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 3.1º C and 3.3º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SB02-2.5-3 (570-48097-37). The container label lists SB02-1-1.5, while the COC lists SB02-2.5-3 (collection time date and time match).

GC/MS VOA
Method 8260B: The initial calibration curve analyzed in batch 570-121620 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-122268.

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

GC/MS Semi VOA
Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-121672 and analytical batch 570-121973 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-122222 and analytical batch 570-122508 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

GC Semi VOA
Method 8081A: The continuing calibration verification (CCV) associated with batch 570-121981 recovered above the upper control limit for < Endrin, Methoxychlor and DCB Decachlorobiphenyl (Surr)>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081A: The continuing calibration verification (CCV) associated with 570-121981 recovered high and outside the control limits for < trans-Chlordane> on one column. Results are confirmed on both columns and reported from the passing column.

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

Metals
Method 6010B: The matrix spike (MS) recoveries for preparation batch 570-123854 and analytical batch 570-124424 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Job ID: 570-48097-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-121942. LCS/LCSD was performed to meet QC requirements.

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

VOA Prep

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

Detection Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB08-0-0.5 — Lab Sample ID: 570-48097-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.00	J	4.93	0.953	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB08-1.0-1.5 — Lab Sample ID: 570-48097-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.05	J	5.18	1.00	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB08-4.5-5.0 — Lab Sample ID: 570-48097-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	12		10	3.1	ug/Kg	1		8260B	Total/NA
Styrene	0.82	J	1.0	0.70	ug/Kg	1		8260B	Total/NA
Barium	53.9	F1	0.526	0.233	mg/Kg	1		6010B	Total/NA
Chromium	1.34		1.05	0.185	mg/Kg	1		6010B	Total/NA
Cobalt	1.75		1.05	0.239	mg/Kg	1		6010B	Total/NA
Copper	0.585	J	1.05	0.534	mg/Kg	1		6010B	Total/NA
Nickel	0.529		0.526	0.452	mg/Kg	1		6010B	Total/NA
Vanadium	7.46		1.05	0.181	mg/Kg	1		6010B	Total/NA
Zinc	9.10	J	10.5	5.38	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB08-9.5-10.0 — Lab Sample ID: 570-48097-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J	9.7	3.0	ug/Kg	1		8260B	Total/NA
Arsenic	3.55		2.46	2.23	mg/Kg	1		6010B	Total/NA
Barium	101		0.493	0.218	mg/Kg	1		6010B	Total/NA
Beryllium	0.327		0.246	0.168	mg/Kg	1		6010B	Total/NA
Chromium	5.59		0.985	0.173	mg/Kg	1		6010B	Total/NA
Cobalt	3.37		0.985	0.224	mg/Kg	1		6010B	Total/NA
Copper	2.41		0.985	0.500	mg/Kg	1		6010B	Total/NA
Molybdenum	1.08		0.493	0.444	mg/Kg	1		6010B	Total/NA
Nickel	1.99		0.493	0.423	mg/Kg	1		6010B	Total/NA
Vanadium	29.7		0.985	0.169	mg/Kg	1		6010B	Total/NA
Zinc	14.9		9.85	5.04	mg/Kg	1		6010B	Total/NA
Mercury	0.0196	J	0.0862	0.0140	mg/Kg	1		7471A	Total/NA

Client Sample ID: SB08-18.0-18.5 — Lab Sample ID: 570-48097-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	96.3		0.524	0.232	mg/Kg	1		6010B	Total/NA
Cadmium	0.236	J	0.524	0.211	mg/Kg	1		6010B	Total/NA
Chromium	2.50		1.05	0.184	mg/Kg	1		6010B	Total/NA
Cobalt	3.92		1.05	0.238	mg/Kg	1		6010B	Total/NA
Copper	0.883	J	1.05	0.531	mg/Kg	1		6010B	Total/NA
Molybdenum	0.599		0.524	0.472	mg/Kg	1		6010B	Total/NA
Nickel	1.62		0.524	0.450	mg/Kg	1		6010B	Total/NA
Vanadium	18.3		1.05	0.180	mg/Kg	1		6010B	Total/NA
Zinc	31.1		10.5	5.36	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB08-GW — Lab Sample ID: 570-48097-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C17-C18	23	J	47	21	ug/L	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB08-GW (Continued) — Lab Sample ID: 570-48097-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C19-C20	69		47	21	ug/L	1		8015B	Total/NA
C21-C22	79		47	21	ug/L	1		8015B	Total/NA
C23-C24	72		47	21	ug/L	1		8015B	Total/NA
C25-C28	81		47	21	ug/L	1		8015B	Total/NA
C29-C32	44	J	47	21	ug/L	1		8015B	Total/NA
C33-C36	29	J	47	21	ug/L	1		8015B	Total/NA
C13-C22	200		47	21	ug/L	1		8015B	Total/NA
C23-C44	230		47	21	ug/L	1		8015B	Total/NA
C13-C44	420		47	21	ug/L	1		8015B	Total/NA

Client Sample ID: EB-010821 — Lab Sample ID: 570-48097-9

No Detections.

Client Sample ID: SB05-0-0.5 — Lab Sample ID: 570-48097-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-Chlordane	0.56	J p	5.0	0.26	ug/Kg	1		8081A	Total/NA
Lead	13.5		5.03	0.972	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB05-1.0-1.5 — Lab Sample ID: 570-48097-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	1.5	J	5.0	0.73	ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.30	J p	5.0	0.26	ug/Kg	1		8081A	Total/NA
Lead	16.8		5.00	0.967	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB05-5.0-5.5 — Lab Sample ID: 570-48097-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.3	J	9.7	3.0	ug/Kg	1		8260B	Total/NA
C25-C28 - RA	24		10	7.7	mg/Kg	2		8015B	Total/NA
C29-C32 - RA	55		10	7.7	mg/Kg	2		8015B	Total/NA
C33-C36 - RA	56		10	7.7	mg/Kg	2		8015B	Total/NA
C37-C40 - RA	53		10	7.7	mg/Kg	2		8015B	Total/NA
C41-C44 - RA	34		10	7.7	mg/Kg	2		8015B	Total/NA
C13-C22 - RA	15		10	7.7	mg/Kg	2		8015B	Total/NA
C23-C44 - RA	230		10	7.7	mg/Kg	2		8015B	Total/NA
C13-C44 - RA	240		10	7.7	mg/Kg	2		8015B	Total/NA
Arsenic	3.06		2.49	2.25	mg/Kg	1		6010B	Total/NA
Barium	110		0.498	0.221	mg/Kg	1		6010B	Total/NA
Beryllium	0.383		0.249	0.170	mg/Kg	1		6010B	Total/NA
Cadmium	0.395	J	0.498	0.201	mg/Kg	1		6010B	Total/NA
Chromium	8.11		0.995	0.175	mg/Kg	1		6010B	Total/NA
Cobalt	5.69		0.995	0.226	mg/Kg	1		6010B	Total/NA
Copper	3.96		0.995	0.505	mg/Kg	1		6010B	Total/NA
Molybdenum	1.09		0.498	0.448	mg/Kg	1		6010B	Total/NA
Nickel	2.79		0.498	0.427	mg/Kg	1		6010B	Total/NA
Vanadium	36.7		0.995	0.171	mg/Kg	1		6010B	Total/NA
Zinc	21.1		9.95	5.09	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB05-9.5-10.0 — Lab Sample ID: 570-48097-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	34		9.7	3.0	ug/Kg	1		8260B	Total/NA
Barium	91.1		0.505	0.224	mg/Kg	1		6010B	Total/NA
Beryllium	0.309		0.253	0.173	mg/Kg	1		6010B	Total/NA
Cadmium	0.295	J	0.505	0.204	mg/Kg	1		6010B	Total/NA
Chromium	6.45		1.01	0.178	mg/Kg	1		6010B	Total/NA
Cobalt	4.50		1.01	0.230	mg/Kg	1		6010B	Total/NA
Copper	3.15		1.01	0.512	mg/Kg	1		6010B	Total/NA
Lead	2.15	J	5.05	0.977	mg/Kg	1		6010B	Total/NA
Molybdenum	0.937		0.505	0.455	mg/Kg	1		6010B	Total/NA
Nickel	2.35		0.505	0.434	mg/Kg	1		6010B	Total/NA
Vanadium	28.8		1.01	0.173	mg/Kg	1		6010B	Total/NA
Zinc	16.3		10.1	5.17	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB05-14.0-14.5 — Lab Sample ID: 570-48097-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	36		9.6	3.0	ug/Kg	1		8260B	Total/NA
Arsenic	2.58		2.42	2.19	mg/Kg	1		6010B	Total/NA
Barium	55.1		0.483	0.214	mg/Kg	1		6010B	Total/NA
Beryllium	0.243		0.242	0.165	mg/Kg	1		6010B	Total/NA
Cadmium	0.252	J	0.483	0.195	mg/Kg	1		6010B	Total/NA
Chromium	4.42		0.966	0.170	mg/Kg	1		6010B	Total/NA
Cobalt	3.82		0.966	0.220	mg/Kg	1		6010B	Total/NA
Copper	3.28		0.966	0.490	mg/Kg	1		6010B	Total/NA
Lead	1.13	J	4.83	0.934	mg/Kg	1		6010B	Total/NA
Molybdenum	0.869		0.483	0.435	mg/Kg	1		6010B	Total/NA
Nickel	1.59		0.483	0.415	mg/Kg	1		6010B	Total/NA
Vanadium	28.5		0.966	0.166	mg/Kg	1		6010B	Total/NA
Zinc	12.3		9.66	4.94	mg/Kg	1		6010B	Total/NA
Mercury	0.0131	J	0.0794	0.0129	mg/Kg	1		7471A	Total/NA

Client Sample ID: SB05-GW — Lab Sample ID: 570-48097-16

No Detections.

Client Sample ID: TB-010821 — Lab Sample ID: 570-48097-17

No Detections.

Client Sample ID: SB12-0-0.5 — Lab Sample ID: 570-48097-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE - RA	3.4	J	4.9	0.53	ug/Kg	1		8081A	Total/NA
Chlordane - RA	4.3	J	25	2.3	ug/Kg	1		8081A	Total/NA
Dieldrin - RA	1.1	J	4.9	0.25	ug/Kg	1		8081A	Total/NA
gamma-Chlordane - RA	1.1	J p	4.9	0.25	ug/Kg	1		8081A	Total/NA

Client Sample ID: SB04-0-0.5 — Lab Sample ID: 570-48097-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.08	J	4.90	0.948	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB04-1-1.5 — Lab Sample ID: 570-48097-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.20		4.95	0.957	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB03-0-0.5 — Lab Sample ID: 570-48097-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.24		5.00	0.967	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB03-1-1.5 — Lab Sample ID: 570-48097-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.08	J	4.85	0.939	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB02-0-0.5 — Lab Sample ID: 570-48097-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.14	J	4.98	0.962	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB02-1-1.5 — Lab Sample ID: 570-48097-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlordane - RA	4.9	J	25	2.3	ug/Kg	1		8081A	Total/NA
gamma-Chlordane - RA	0.37	J p	4.9	0.25	ug/Kg	1		8081A	Total/NA
Lead	10.8		4.85	0.939	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB09-0-0.5 — Lab Sample ID: 570-48097-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.40	J	5.13	0.992	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB09-1-1.5 — Lab Sample ID: 570-48097-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.29	J	5.15	0.997	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB11-0-0.5 — Lab Sample ID: 570-48097-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.17	J	4.98	0.962	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB11-1-1.5 — Lab Sample ID: 570-48097-32

No Detections.

Client Sample ID: SB10-0-0.5 — Lab Sample ID: 570-48097-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.56	J	4.95	0.957	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB10-1-1.5 — Lab Sample ID: 570-48097-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.04		4.93	0.953	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB01-0-0.5 — Lab Sample ID: 570-48097-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.34		5.08	0.982	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB01-1-1.5 — Lab Sample ID: 570-48097-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.66	J	5.08	0.982	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB06-0-0.5 — Lab Sample ID: 570-48097-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlordane	2.5	J	25	2.4	ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.28	J p	5.0	0.26	ug/Kg	1		8081A	Total/NA
Lead	5.81		4.81	0.930	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB06-1-1.5 — Lab Sample ID: 570-48097-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-Chlordane	0.77	J p	5.0	0.26	ug/Kg	1		8081A	Total/NA
Lead	16.1		5.00	0.967	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB07-0-0.5 — Lab Sample ID: 570-48097-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.48	J p	5.0	0.36	ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.35	J p	5.0	0.26	ug/Kg	1		8081A	Total/NA
Lead	14.7		5.00	0.967	mg/Kg	1		6010B	Total/NA

Client Sample ID: SB07-1-1.5 — Lab Sample ID: 570-48097-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	29.6		5.18	1.00	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.29	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.46	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1,2-Trichloroethane	ND		1.0	0.46	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1-Dichloroethane	ND		1.0	0.28	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1-Dichloroethene	ND		1.0	0.26	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,1-Dichloropropene	ND		2.0	0.39	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2,3-Trichlorobenzene	ND		2.0	1.0	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2,3-Trichloropropane	ND		2.0	0.42	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2,4-Trichlorobenzene	ND		2.0	0.41	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2,4-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2-Dibromo-3-Chloropropane	ND		10	6.8	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2-Dibromoethane	ND		1.0	0.21	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2-Dichlorobenzene	ND		1.0	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2-Dichloroethane	ND		1.0	0.28	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,2-Dichloropropane	ND		1.0	0.28	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,3,5-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,3-Dichlorobenzene	ND		1.0	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,3-Dichloropropane	ND		1.0	0.29	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
1,4-Dichlorobenzene	ND		1.0	0.31	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
2,2-Dichloropropane	ND		5.0	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
2-Butanone	ND		20	4.5	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
2-Chlorotoluene	ND		1.0	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
2-Hexanone	ND		20	3.1	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
4-Chlorotoluene	ND		1.0	0.24	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
4-Methyl-2-pentanone	ND		20	2.9	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Acetone	ND		20	9.8	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Benzene	ND		1.0	0.26	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Bromobenzene	ND		1.0	0.21	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Bromochloromethane	ND		2.0	0.44	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Bromodichloromethane	ND		1.0	0.16	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Bromoform	ND		5.0	1.3	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Bromomethane	ND		20	6.6	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
cis-1,2-Dichloroethene	ND		1.0	0.34	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
cis-1,3-Dichloropropene	ND		1.0	0.35	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Carbon disulfide	ND		10	0.40	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Carbon tetrachloride	ND		1.0	0.30	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Chlorobenzene	ND		1.0	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Chloroethane	ND		2.0	1.5	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Chloroform	ND		1.0	0.59	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Chloromethane	ND		20	1.5	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Dibromochloromethane	ND		2.0	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Dibromomethane	ND		1.0	0.30	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Dichlorodifluoromethane	ND		2.0	0.45	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Ethylbenzene	ND		1.0	0.21	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Isopropylbenzene	ND		1.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Methylene Chloride	**12**		10	3.1	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.19	ug/Kg		01/12/21 11:55	01/12/21 15:22	1

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

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	5.2	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
n-Butylbenzene	ND		1.0	0.21	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
N-Propylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
o-Xylene	ND		1.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
m,p-Xylene	ND		2.0	0.47	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
p-Isopropyltoluene	ND		1.0	0.70	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
sec-Butylbenzene	ND		1.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Styrene	**0.82**	**J**	1.0	0.70	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
trans-1,3-Dichloropropene	ND		2.0	0.28	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
tert-Butylbenzene	ND		1.0	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Tetrachloroethene	ND		1.0	0.22	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Toluene	ND		1.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Trichloroethene	ND		2.0	0.39	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Trichlorofluoromethane	ND		10	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Vinyl acetate	ND		10	3.9	ug/Kg		01/12/21 11:55	01/12/21 15:22	1
Vinyl chloride	ND		1.0	0.38	ug/Kg		01/12/21 11:55	01/12/21 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*	*01/12/21 11:55*	*01/12/21 15:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*01/12/21 11:55*	*01/12/21 15:22*	*1*
Dibromofluoromethane (Surr)	*95*		*79 - 133*	*01/12/21 11:55*	*01/12/21 15:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 15:22*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97	0.28	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1,1-Trichloroethane	ND		0.97	0.23	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.53	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7	0.45	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1,2-Trichloroethane	ND		0.97	0.45	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1-Dichloroethene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,1-Dichloropropene	ND		1.9	0.38	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2,3-Trichlorobenzene	ND		1.9	0.97	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2,3-Trichloropropane	ND		1.9	0.41	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2,4-Trichlorobenzene	ND		1.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2,4-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2-Dibromo-3-Chloropropane	ND		9.7	6.6	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2-Dibromoethane	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2-Dichlorobenzene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,2-Dichloropropane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,3,5-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,3-Dichlorobenzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,3-Dichloropropane	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
1,4-Dichlorobenzene	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
2,2-Dichloropropane	ND		4.9	0.26	ug/Kg		01/12/21 11:55	01/12/21 15:50	1

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

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		19	4.4	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
2-Chlorotoluene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
2-Hexanone	ND		19	3.0	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
4-Chlorotoluene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
4-Methyl-2-pentanone	ND		19	2.8	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Acetone	ND		19	9.6	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Benzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Bromobenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Bromochloromethane	ND		1.9	0.43	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Bromodichloromethane	ND		0.97	0.16	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Bromoform	ND		4.9	1.3	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Bromomethane	ND		19	6.4	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
cis-1,2-Dichloroethene	ND		0.97	0.33	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
cis-1,3-Dichloropropene	ND		0.97	0.34	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Carbon disulfide	ND		9.7	0.39	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Carbon tetrachloride	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Chlorobenzene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Chloroethane	ND		1.9	1.5	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Chloroform	ND		0.97	0.57	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Chloromethane	ND		19	1.5	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Dibromochloromethane	ND		1.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Dibromomethane	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Dichlorodifluoromethane	ND		1.9	0.44	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Ethylbenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Isopropylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Methylene Chloride	**4.0**	**J**	9.7	3.0	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9	0.18	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Naphthalene	ND		9.7	5.1	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
n-Butylbenzene	ND		0.97	0.21	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
N-Propylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
o-Xylene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
m,p-Xylene	ND		1.9	0.46	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
p-Isopropyltoluene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
sec-Butylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Styrene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
trans-1,2-Dichloroethene	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
trans-1,3-Dichloropropene	ND		1.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
tert-Butylbenzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Tetrachloroethene	ND		0.97	0.22	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Toluene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Trichloroethene	ND		1.9	0.38	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Trichlorofluoromethane	ND		9.7	0.27	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Vinyl acetate	ND		9.7	3.8	ug/Kg		01/12/21 11:55	01/12/21 15:50	1
Vinyl chloride	ND		0.97	0.37	ug/Kg		01/12/21 11:55	01/12/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*	*01/12/21 11:55*	*01/12/21 15:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*01/12/21 11:55*	*01/12/21 15:50*	*1*
Dibromofluoromethane (Surr)	*94*		*79 - 133*	*01/12/21 11:55*	*01/12/21 15:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 15:50*	*1*

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

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99	0.29	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1,1-Trichloroethane	ND		0.99	0.23	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9	0.46	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1,2-Trichloroethane	ND		0.99	0.46	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1-Dichloroethane	ND		0.99	0.28	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1-Dichloroethene	ND		0.99	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,1-Dichloropropene	ND		2.0	0.38	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2,3-Trichlorobenzene	ND		2.0	0.99	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2,3-Trichloropropane	ND		2.0	0.42	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2,4-Trichlorobenzene	ND		2.0	0.41	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2,4-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2-Dibromo-3-Chloropropane	ND		9.9	6.7	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2-Dibromoethane	ND		0.99	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2-Dichlorobenzene	ND		0.99	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2-Dichloroethane	ND		0.99	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,2-Dichloropropane	ND		0.99	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,3,5-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,3-Dichlorobenzene	ND		0.99	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,3-Dichloropropane	ND		0.99	0.29	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
1,4-Dichlorobenzene	ND		0.99	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
2,2-Dichloropropane	ND		5.0	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
2-Butanone	ND		20	4.5	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
2-Chlorotoluene	ND		0.99	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
2-Hexanone	ND		20	3.0	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
4-Chlorotoluene	ND		0.99	0.24	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
4-Methyl-2-pentanone	ND		20	2.9	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Acetone	ND		20	9.8	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Benzene	ND		0.99	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Bromobenzene	ND		0.99	0.21	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Bromochloromethane	ND		2.0	0.44	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Bromodichloromethane	ND		0.99	0.16	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Bromoform	ND		5.0	1.3	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Bromomethane	ND		20	6.5	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
cis-1,2-Dichloroethene	ND		0.99	0.33	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
cis-1,3-Dichloropropene	ND		0.99	0.35	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Carbon disulfide	ND		9.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Carbon tetrachloride	ND		0.99	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Chlorobenzene	ND		0.99	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Chloroethane	ND		2.0	1.5	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Chloroform	ND		0.99	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Chloromethane	ND		20	1.5	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Dibromochloromethane	ND		2.0	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Dibromomethane	ND		0.99	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Dichlorodifluoromethane	ND		2.0	0.45	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Ethylbenzene	ND		0.99	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Isopropylbenzene	ND		0.99	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Methylene Chloride	ND		9.9	3.1	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.19	ug/Kg		01/12/21 11:55	01/12/21 16:17	1

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

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.9	5.2	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
n-Butylbenzene	ND		0.99	0.21	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
N-Propylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
o-Xylene	ND		0.99	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
m,p-Xylene	ND		2.0	0.47	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
p-Isopropyltoluene	ND		0.99	0.69	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
sec-Butylbenzene	ND		0.99	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Styrene	ND		0.99	0.69	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
trans-1,2-Dichloroethene	ND		0.99	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
trans-1,3-Dichloropropene	ND		2.0	0.28	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
tert-Butylbenzene	ND		0.99	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Tetrachloroethene	ND		0.99	0.22	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Toluene	ND		0.99	0.60	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Trichloroethene	ND		2.0	0.38	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Trichlorofluoromethane	ND		9.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Vinyl acetate	ND		9.9	3.9	ug/Kg		01/12/21 11:55	01/12/21 16:17	1
Vinyl chloride	ND		0.99	0.38	ug/Kg		01/12/21 11:55	01/12/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*71 - 155*	*01/12/21 11:55*	*01/12/21 16:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*01/12/21 11:55*	*01/12/21 16:17*	*1*
Dibromofluoromethane (Surr)	*93*		*79 - 133*	*01/12/21 11:55*	*01/12/21 16:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 16:17*	*1*

Client Sample ID: SB08-GW
Date Collected: 01/08/21 11:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.33	ug/L			01/14/21 19:47	1
1,1,1-Trichloroethane	ND		1.0	0.32	ug/L			01/14/21 19:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			01/14/21 19:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.58	ug/L			01/14/21 19:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			01/14/21 19:47	1
1,1-Dichloroethane	ND		1.0	0.37	ug/L			01/14/21 19:47	1
1,1-Dichloroethene	ND		1.0	0.33	ug/L			01/14/21 19:47	1
1,1-Dichloropropene	ND		1.0	0.45	ug/L			01/14/21 19:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.43	ug/L			01/14/21 19:47	1
1,2,3-Trichloropropane	ND		5.0	0.27	ug/L			01/14/21 19:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.36	ug/L			01/14/21 19:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 19:47	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/14/21 19:47	1
1,2-Dibromoethane	ND		1.0	0.38	ug/L			01/14/21 19:47	1
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/14/21 19:47	1
1,2-Dichloroethane	ND		0.50	0.22	ug/L			01/14/21 19:47	1
1,2-Dichloropropane	ND		1.0	0.39	ug/L			01/14/21 19:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 19:47	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/L			01/14/21 19:47	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			01/14/21 19:47	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L			01/14/21 19:47	1
2,2-Dichloropropane	ND		1.0	0.55	ug/L			01/14/21 19:47	1

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

Client Sample ID: SB08-GW
Date Collected: 01/08/21 11:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	3.6	ug/L			01/14/21 19:47	1
2-Chlorotoluene	ND		1.0	0.27	ug/L			01/14/21 19:47	1
2-Hexanone	ND		10	3.1	ug/L			01/14/21 19:47	1
4-Chlorotoluene	ND		1.0	0.32	ug/L			01/14/21 19:47	1
4-Methyl-2-pentanone	ND		10	2.9	ug/L			01/14/21 19:47	1
Acetone	ND		20	10	ug/L			01/14/21 19:47	1
Benzene	ND		0.50	0.20	ug/L			01/14/21 19:47	1
Bromobenzene	ND		1.0	0.30	ug/L			01/14/21 19:47	1
Bromochloromethane	ND		2.0	0.30	ug/L			01/14/21 19:47	1
Bromodichloromethane	ND		1.0	0.28	ug/L			01/14/21 19:47	1
Bromoform	ND		5.0	1.5	ug/L			01/14/21 19:47	1
Bromomethane	ND		25	15	ug/L			01/14/21 19:47	1
Carbon disulfide	ND		10	0.40	ug/L			01/14/21 19:47	1
Carbon tetrachloride	ND		0.50	0.34	ug/L			01/14/21 19:47	1
Chlorobenzene	ND		1.0	0.21	ug/L			01/14/21 19:47	1
Chloroethane	ND		5.0	2.4	ug/L			01/14/21 19:47	1
Chloroform	ND		1.0	0.50	ug/L			01/14/21 19:47	1
Chloromethane	ND		10	2.3	ug/L			01/14/21 19:47	1
cis-1,2-Dichloroethene	ND		1.0	0.51	ug/L			01/14/21 19:47	1
cis-1,3-Dichloropropene	ND		0.50	0.23	ug/L			01/14/21 19:47	1
Dibromochloromethane	ND		2.0	0.34	ug/L			01/14/21 19:47	1
Dibromomethane	ND		1.0	0.38	ug/L			01/14/21 19:47	1
Dichlorodifluoromethane	ND		5.0	0.56	ug/L			01/14/21 19:47	1
Ethylbenzene	ND		1.0	0.33	ug/L			01/14/21 19:47	1
Isopropylbenzene	ND		1.0	0.37	ug/L			01/14/21 19:47	1
m,p-Xylene	ND		2.0	0.48	ug/L			01/14/21 19:47	1
Methylene Chloride	ND		10	4.0	ug/L			01/14/21 19:47	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.34	ug/L			01/14/21 19:47	1
Naphthalene	ND		10	5.0	ug/L			01/14/21 19:47	1
n-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 19:47	1
N-Propylbenzene	ND		1.0	0.41	ug/L			01/14/21 19:47	1
o-Xylene	ND		1.0	0.26	ug/L			01/14/21 19:47	1
p-Isopropyltoluene	ND		1.0	0.38	ug/L			01/14/21 19:47	1
sec-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 19:47	1
Styrene	ND		1.0	0.38	ug/L			01/14/21 19:47	1
tert-Butylbenzene	ND		1.0	0.36	ug/L			01/14/21 19:47	1
Tetrachloroethene	ND		1.0	0.35	ug/L			01/14/21 19:47	1
Toluene	ND		1.0	0.34	ug/L			01/14/21 19:47	1
trans-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/14/21 19:47	1
trans-1,3-Dichloropropene	ND		0.50	0.30	ug/L			01/14/21 19:47	1
Trichloroethene	ND		1.0	0.35	ug/L			01/14/21 19:47	1
Trichlorofluoromethane	ND		10	0.36	ug/L			01/14/21 19:47	1
Vinyl acetate	ND		10	4.6	ug/L			01/14/21 19:47	1
Vinyl chloride	ND		0.50	0.26	ug/L			01/14/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 129*		*01/14/21 19:47*	*1*
4-Bromofluorobenzene (Surr)	*93*		*77 - 120*		*01/14/21 19:47*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 128*		*01/14/21 19:47*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/14/21 19:47*	*1*

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

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.33	ug/L			01/14/21 19:19	1
1,1,1-Trichloroethane	ND		1.0	0.32	ug/L			01/14/21 19:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			01/14/21 19:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.58	ug/L			01/14/21 19:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			01/14/21 19:19	1
1,1-Dichloroethane	ND		1.0	0.37	ug/L			01/14/21 19:19	1
1,1-Dichloroethene	ND		1.0	0.33	ug/L			01/14/21 19:19	1
1,1-Dichloropropene	ND		1.0	0.45	ug/L			01/14/21 19:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.43	ug/L			01/14/21 19:19	1
1,2,3-Trichloropropane	ND		5.0	0.27	ug/L			01/14/21 19:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.36	ug/L			01/14/21 19:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 19:19	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/14/21 19:19	1
1,2-Dibromoethane	ND		1.0	0.38	ug/L			01/14/21 19:19	1
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/14/21 19:19	1
1,2-Dichloroethane	ND		0.50	0.22	ug/L			01/14/21 19:19	1
1,2-Dichloropropane	ND		1.0	0.39	ug/L			01/14/21 19:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 19:19	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/L			01/14/21 19:19	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			01/14/21 19:19	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L			01/14/21 19:19	1
2,2-Dichloropropane	ND		1.0	0.55	ug/L			01/14/21 19:19	1
2-Butanone	ND		20	3.6	ug/L			01/14/21 19:19	1
2-Chlorotoluene	ND		1.0	0.27	ug/L			01/14/21 19:19	1
2-Hexanone	ND		10	3.1	ug/L			01/14/21 19:19	1
4-Chlorotoluene	ND		1.0	0.32	ug/L			01/14/21 19:19	1
4-Methyl-2-pentanone	ND		10	2.9	ug/L			01/14/21 19:19	1
Acetone	ND		20	10	ug/L			01/14/21 19:19	1
Benzene	ND		0.50	0.20	ug/L			01/14/21 19:19	1
Bromobenzene	ND		1.0	0.30	ug/L			01/14/21 19:19	1
Bromochloromethane	ND		2.0	0.30	ug/L			01/14/21 19:19	1
Bromodichloromethane	ND		1.0	0.28	ug/L			01/14/21 19:19	1
Bromoform	ND		5.0	1.5	ug/L			01/14/21 19:19	1
Bromomethane	ND		25	15	ug/L			01/14/21 19:19	1
Carbon disulfide	ND		10	0.40	ug/L			01/14/21 19:19	1
Carbon tetrachloride	ND		0.50	0.34	ug/L			01/14/21 19:19	1
Chlorobenzene	ND		1.0	0.21	ug/L			01/14/21 19:19	1
Chloroethane	ND		5.0	2.4	ug/L			01/14/21 19:19	1
Chloroform	ND		1.0	0.50	ug/L			01/14/21 19:19	1
Chloromethane	ND		10	2.3	ug/L			01/14/21 19:19	1
cis-1,2-Dichloroethene	ND		1.0	0.51	ug/L			01/14/21 19:19	1
cis-1,3-Dichloropropene	ND		0.50	0.23	ug/L			01/14/21 19:19	1
Dibromochloromethane	ND		2.0	0.34	ug/L			01/14/21 19:19	1
Dibromomethane	ND		1.0	0.38	ug/L			01/14/21 19:19	1
Dichlorodifluoromethane	ND		5.0	0.56	ug/L			01/14/21 19:19	1
Ethylbenzene	ND		1.0	0.33	ug/L			01/14/21 19:19	1
Isopropylbenzene	ND		1.0	0.37	ug/L			01/14/21 19:19	1
m,p-Xylene	ND		2.0	0.48	ug/L			01/14/21 19:19	1
Methylene Chloride	ND		10	4.0	ug/L			01/14/21 19:19	1

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

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.34	ug/L			01/14/21 19:19	1
Naphthalene	ND		10	5.0	ug/L			01/14/21 19:19	1
n-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 19:19	1
N-Propylbenzene	ND		1.0	0.41	ug/L			01/14/21 19:19	1
o-Xylene	ND		1.0	0.26	ug/L			01/14/21 19:19	1
p-Isopropyltoluene	ND		1.0	0.38	ug/L			01/14/21 19:19	1
sec-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 19:19	1
Styrene	ND		1.0	0.38	ug/L			01/14/21 19:19	1
tert-Butylbenzene	ND		1.0	0.36	ug/L			01/14/21 19:19	1
Tetrachloroethene	ND		1.0	0.35	ug/L			01/14/21 19:19	1
Toluene	ND		1.0	0.34	ug/L			01/14/21 19:19	1
trans-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/14/21 19:19	1
trans-1,3-Dichloropropene	ND		0.50	0.30	ug/L			01/14/21 19:19	1
Trichloroethene	ND		1.0	0.35	ug/L			01/14/21 19:19	1
Trichlorofluoromethane	ND		10	0.36	ug/L			01/14/21 19:19	1
Vinyl acetate	ND		10	4.6	ug/L			01/14/21 19:19	1
Vinyl chloride	ND		0.50	0.26	ug/L			01/14/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 129*		*01/14/21 19:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*		*01/14/21 19:19*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 128*		*01/14/21 19:19*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/14/21 19:19*	*1*

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97	0.28	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1,1-Trichloroethane	ND		0.97	0.23	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.53	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7	0.45	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1,2-Trichloroethane	ND		0.97	0.45	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1-Dichloroethene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,1-Dichloropropene	ND		1.9	0.38	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2,3-Trichlorobenzene	ND		1.9	0.97	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2,3-Trichloropropane	ND		1.9	0.41	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2,4-Trichlorobenzene	ND		1.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2,4-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2-Dibromo-3-Chloropropane	ND		9.7	6.6	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2-Dibromoethane	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2-Dichlorobenzene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,2-Dichloropropane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,3,5-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,3-Dichlorobenzene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,3-Dichloropropane	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
1,4-Dichlorobenzene	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
2,2-Dichloropropane	ND		4.8	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:45	1

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

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		19	4.4	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
2-Chlorotoluene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
2-Hexanone	ND		19	3.0	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
4-Chlorotoluene	ND		0.97	0.23	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
4-Methyl-2-pentanone	ND		19	2.8	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Acetone	ND		19	9.5	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Benzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Bromobenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Bromochloromethane	ND		1.9	0.43	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Bromodichloromethane	ND		0.97	0.15	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Bromoform	ND		4.8	1.3	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Bromomethane	ND		19	6.4	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
cis-1,2-Dichloroethene	ND		0.97	0.33	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
cis-1,3-Dichloropropene	ND		0.97	0.34	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Carbon disulfide	ND		9.7	0.39	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Carbon tetrachloride	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Chlorobenzene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Chloroethane	ND		1.9	1.5	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Chloroform	ND		0.97	0.57	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Chloromethane	ND		19	1.5	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Dibromochloromethane	ND		1.9	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Dibromomethane	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Dichlorodifluoromethane	ND		1.9	0.44	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Ethylbenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Isopropylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Methylene Chloride	**4.3**	**J**	9.7	3.0	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9	0.18	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Naphthalene	ND		9.7	5.0	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
n-Butylbenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
N-Propylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
o-Xylene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
m,p-Xylene	ND		1.9	0.46	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
p-Isopropyltoluene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
sec-Butylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Styrene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
trans-1,2-Dichloroethene	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
trans-1,3-Dichloropropene	ND		1.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
tert-Butylbenzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Tetrachloroethene	ND		0.97	0.22	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Toluene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Trichloroethene	ND		1.9	0.37	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Trichlorofluoromethane	ND		9.7	0.26	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Vinyl acetate	ND		9.7	3.8	ug/Kg		01/12/21 11:55	01/12/21 16:45	1
Vinyl chloride	ND		0.97	0.37	ug/Kg		01/12/21 11:55	01/12/21 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*71 - 155*	*01/12/21 11:55*	*01/12/21 16:45*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*01/12/21 11:55*	*01/12/21 16:45*	*1*
Dibromofluoromethane (Surr)	*94*		*79 - 133*	*01/12/21 11:55*	*01/12/21 16:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 16:45*	*1*

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

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97	0.28	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1,1-Trichloroethane	ND		0.97	0.23	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.53	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7	0.45	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1,2-Trichloroethane	ND		0.97	0.45	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1-Dichloroethene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,1-Dichloropropene	ND		1.9	0.38	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2,3-Trichlorobenzene	ND		1.9	0.97	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2,3-Trichloropropane	ND		1.9	0.41	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2,4-Trichlorobenzene	ND		1.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2,4-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2-Dibromo-3-Chloropropane	ND		9.7	6.6	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2-Dibromoethane	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2-Dichlorobenzene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2-Dichloroethane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,2-Dichloropropane	ND		0.97	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,3,5-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,3-Dichlorobenzene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,3-Dichloropropane	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
1,4-Dichlorobenzene	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
2,2-Dichloropropane	ND		4.8	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
2-Butanone	ND		19	4.4	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
2-Chlorotoluene	ND		0.97	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
2-Hexanone	ND		19	3.0	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
4-Chlorotoluene	ND		0.97	0.23	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
4-Methyl-2-pentanone	ND		19	2.8	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Acetone	ND		19	9.5	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Benzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Bromobenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Bromochloromethane	ND		1.9	0.43	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Bromodichloromethane	ND		0.97	0.15	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Bromoform	ND		4.8	1.3	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Bromomethane	ND		19	6.4	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
cis-1,2-Dichloroethene	ND		0.97	0.33	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
cis-1,3-Dichloropropene	ND		0.97	0.34	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Carbon disulfide	ND		9.7	0.39	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Carbon tetrachloride	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Chlorobenzene	ND		0.97	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Chloroethane	ND		1.9	1.5	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Chloroform	ND		0.97	0.57	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Chloromethane	ND		19	1.5	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Dibromochloromethane	ND		1.9	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Dibromomethane	ND		0.97	0.30	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Dichlorodifluoromethane	ND		1.9	0.44	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Ethylbenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Isopropylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Methylene Chloride	**34**		9.7	3.0	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9	0.18	ug/Kg		01/12/21 11:55	01/12/21 17:13	1

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

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.7	5.0	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
n-Butylbenzene	ND		0.97	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
N-Propylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
o-Xylene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
m,p-Xylene	ND		1.9	0.46	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
p-Isopropyltoluene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
sec-Butylbenzene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Styrene	ND		0.97	0.68	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
trans-1,2-Dichloroethene	ND		0.97	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
trans-1,3-Dichloropropene	ND		1.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
tert-Butylbenzene	ND		0.97	0.25	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Tetrachloroethene	ND		0.97	0.22	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Toluene	ND		0.97	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Trichloroethene	ND		1.9	0.37	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Trichlorofluoromethane	ND		9.7	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Vinyl acetate	ND		9.7	3.8	ug/Kg		01/12/21 11:55	01/12/21 17:13	1
Vinyl chloride	ND		0.97	0.37	ug/Kg		01/12/21 11:55	01/12/21 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*71 - 155*	*01/12/21 11:55*	*01/12/21 17:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*	*01/12/21 11:55*	*01/12/21 17:13*	*1*
Dibromofluoromethane (Surr)	*96*		*79 - 133*	*01/12/21 11:55*	*01/12/21 17:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 17:13*	*1*

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.96	0.28	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1,1-Trichloroethane	ND		0.96	0.23	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.52	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.6	0.45	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1,2-Trichloroethane	ND		0.96	0.45	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1-Dichloroethane	ND		0.96	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1-Dichloroethene	ND		0.96	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,1-Dichloropropene	ND		1.9	0.37	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2,3-Trichlorobenzene	ND		1.9	0.96	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2,3-Trichloropropane	ND		1.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2,4-Trichlorobenzene	ND		1.9	0.40	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2,4-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2-Dibromo-3-Chloropropane	ND		9.6	6.5	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2-Dibromoethane	ND		0.96	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2-Dichlorobenzene	ND		0.96	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2-Dichloroethane	ND		0.96	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,2-Dichloropropane	ND		0.96	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,3,5-Trimethylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,3-Dichlorobenzene	ND		0.96	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,3-Dichloropropane	ND		0.96	0.28	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
1,4-Dichlorobenzene	ND		0.96	0.30	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
2,2-Dichloropropane	ND		4.8	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:40	1

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

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		19	4.3	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
2-Chlorotoluene	ND		0.96	0.24	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
2-Hexanone	ND		19	3.0	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
4-Chlorotoluene	ND		0.96	0.23	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
4-Methyl-2-pentanone	ND		19	2.8	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Acetone	ND		19	9.5	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Benzene	ND		0.96	0.25	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Bromobenzene	ND		0.96	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Bromochloromethane	ND		1.9	0.43	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Bromodichloromethane	ND		0.96	0.15	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Bromoform	ND		4.8	1.3	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Bromomethane	ND		19	6.3	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
cis-1,2-Dichloroethene	ND		0.96	0.33	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
cis-1,3-Dichloropropene	ND		0.96	0.34	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Carbon disulfide	ND		9.6	0.39	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Carbon tetrachloride	ND		0.96	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Chlorobenzene	ND		0.96	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Chloroethane	ND		1.9	1.4	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Chloroform	ND		0.96	0.57	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Chloromethane	ND		19	1.5	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Dibromochloromethane	ND		1.9	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Dibromomethane	ND		0.96	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Dichlorodifluoromethane	ND		1.9	0.44	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Ethylbenzene	ND		0.96	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Isopropylbenzene	ND		0.96	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Methylene Chloride	**36**		9.6	3.0	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9	0.18	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Naphthalene	ND		9.6	5.0	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
n-Butylbenzene	ND		0.96	0.20	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
N-Propylbenzene	ND		1.9	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
o-Xylene	ND		0.96	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
m,p-Xylene	ND		1.9	0.46	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
p-Isopropyltoluene	ND		0.96	0.67	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
sec-Butylbenzene	ND		0.96	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Styrene	ND		0.96	0.67	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
trans-1,2-Dichloroethene	ND		0.96	0.29	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
trans-1,3-Dichloropropene	ND		1.9	0.27	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
tert-Butylbenzene	ND		0.96	0.25	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Tetrachloroethene	ND		0.96	0.22	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Toluene	ND		0.96	0.58	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Trichloroethene	ND		1.9	0.37	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Trichlorofluoromethane	ND		9.6	0.26	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Vinyl acetate	ND		9.6	3.8	ug/Kg		01/12/21 11:55	01/12/21 17:40	1
Vinyl chloride	ND		0.96	0.36	ug/Kg		01/12/21 11:55	01/12/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*71 - 155*	*01/12/21 11:55*	*01/12/21 17:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*	*01/12/21 11:55*	*01/12/21 17:40*	*1*
Dibromofluoromethane (Surr)	*95*		*79 - 133*	*01/12/21 11:55*	*01/12/21 17:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*01/12/21 11:55*	*01/12/21 17:40*	*1*

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

Client Sample ID: SB05-GW
Date Collected: 01/08/21 14:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.33	ug/L			01/14/21 20:14	1
1,1,1-Trichloroethane	ND		1.0	0.32	ug/L			01/14/21 20:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			01/14/21 20:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.58	ug/L			01/14/21 20:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			01/14/21 20:14	1
1,1-Dichloroethane	ND		1.0	0.37	ug/L			01/14/21 20:14	1
1,1-Dichloroethene	ND		1.0	0.33	ug/L			01/14/21 20:14	1
1,1-Dichloropropene	ND		1.0	0.45	ug/L			01/14/21 20:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.43	ug/L			01/14/21 20:14	1
1,2,3-Trichloropropane	ND		5.0	0.27	ug/L			01/14/21 20:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.36	ug/L			01/14/21 20:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 20:14	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/14/21 20:14	1
1,2-Dibromoethane	ND		1.0	0.38	ug/L			01/14/21 20:14	1
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/14/21 20:14	1
1,2-Dichloroethane	ND		0.50	0.22	ug/L			01/14/21 20:14	1
1,2-Dichloropropane	ND		1.0	0.39	ug/L			01/14/21 20:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 20:14	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/L			01/14/21 20:14	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			01/14/21 20:14	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L			01/14/21 20:14	1
2,2-Dichloropropane	ND		1.0	0.55	ug/L			01/14/21 20:14	1
2-Butanone	ND		20	3.6	ug/L			01/14/21 20:14	1
2-Chlorotoluene	ND		1.0	0.27	ug/L			01/14/21 20:14	1
2-Hexanone	ND		10	3.1	ug/L			01/14/21 20:14	1
4-Chlorotoluene	ND		1.0	0.32	ug/L			01/14/21 20:14	1
4-Methyl-2-pentanone	ND		10	2.9	ug/L			01/14/21 20:14	1
Acetone	ND		20	10	ug/L			01/14/21 20:14	1
Benzene	ND		0.50	0.20	ug/L			01/14/21 20:14	1
Bromobenzene	ND		1.0	0.30	ug/L			01/14/21 20:14	1
Bromochloromethane	ND		2.0	0.30	ug/L			01/14/21 20:14	1
Bromodichloromethane	ND		1.0	0.28	ug/L			01/14/21 20:14	1
Bromoform	ND		5.0	1.5	ug/L			01/14/21 20:14	1
Bromomethane	ND		25	15	ug/L			01/14/21 20:14	1
Carbon disulfide	ND		10	0.40	ug/L			01/14/21 20:14	1
Carbon tetrachloride	ND		0.50	0.34	ug/L			01/14/21 20:14	1
Chlorobenzene	ND		1.0	0.21	ug/L			01/14/21 20:14	1
Chloroethane	ND		5.0	2.4	ug/L			01/14/21 20:14	1
Chloroform	ND		1.0	0.50	ug/L			01/14/21 20:14	1
Chloromethane	ND		10	2.3	ug/L			01/14/21 20:14	1
cis-1,2-Dichloroethene	ND		1.0	0.51	ug/L			01/14/21 20:14	1
cis-1,3-Dichloropropene	ND		0.50	0.23	ug/L			01/14/21 20:14	1
Dibromochloromethane	ND		2.0	0.34	ug/L			01/14/21 20:14	1
Dibromomethane	ND		1.0	0.38	ug/L			01/14/21 20:14	1
Dichlorodifluoromethane	ND		5.0	0.56	ug/L			01/14/21 20:14	1
Ethylbenzene	ND		1.0	0.33	ug/L			01/14/21 20:14	1
Isopropylbenzene	ND		1.0	0.37	ug/L			01/14/21 20:14	1
m,p-Xylene	ND		2.0	0.48	ug/L			01/14/21 20:14	1
Methylene Chloride	ND		10	4.0	ug/L			01/14/21 20:14	1

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

Client Sample ID: SB05-GW
Date Collected: 01/08/21 14:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.34	ug/L			01/14/21 20:14	1
Naphthalene	ND		10	5.0	ug/L			01/14/21 20:14	1
n-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 20:14	1
N-Propylbenzene	ND		1.0	0.41	ug/L			01/14/21 20:14	1
o-Xylene	ND		1.0	0.26	ug/L			01/14/21 20:14	1
p-Isopropyltoluene	ND		1.0	0.38	ug/L			01/14/21 20:14	1
sec-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 20:14	1
Styrene	ND		1.0	0.38	ug/L			01/14/21 20:14	1
tert-Butylbenzene	ND		1.0	0.36	ug/L			01/14/21 20:14	1
Tetrachloroethene	ND		1.0	0.35	ug/L			01/14/21 20:14	1
Toluene	ND		1.0	0.34	ug/L			01/14/21 20:14	1
trans-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/14/21 20:14	1
trans-1,3-Dichloropropene	ND		0.50	0.30	ug/L			01/14/21 20:14	1
Trichloroethene	ND		1.0	0.35	ug/L			01/14/21 20:14	1
Trichlorofluoromethane	ND		10	0.36	ug/L			01/14/21 20:14	1
Vinyl acetate	ND		10	4.6	ug/L			01/14/21 20:14	1
Vinyl chloride	ND		0.50	0.26	ug/L			01/14/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*		*01/14/21 20:14*	*1*
4-Bromofluorobenzene (Surr)	*92*		*77 - 120*		*01/14/21 20:14*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 128*		*01/14/21 20:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/14/21 20:14*	*1*

Client Sample ID: TB-010821
Date Collected: 01/08/21 09:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.33	ug/L			01/14/21 18:52	1
1,1,1-Trichloroethane	ND		1.0	0.32	ug/L			01/14/21 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			01/14/21 18:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.58	ug/L			01/14/21 18:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			01/14/21 18:52	1
1,1-Dichloroethane	ND		1.0	0.37	ug/L			01/14/21 18:52	1
1,1-Dichloroethene	ND		1.0	0.33	ug/L			01/14/21 18:52	1
1,1-Dichloropropene	ND		1.0	0.45	ug/L			01/14/21 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.43	ug/L			01/14/21 18:52	1
1,2,3-Trichloropropane	ND		5.0	0.27	ug/L			01/14/21 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.36	ug/L			01/14/21 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 18:52	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/14/21 18:52	1
1,2-Dibromoethane	ND		1.0	0.38	ug/L			01/14/21 18:52	1
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/14/21 18:52	1
1,2-Dichloroethane	ND		0.50	0.22	ug/L			01/14/21 18:52	1
1,2-Dichloropropane	ND		1.0	0.39	ug/L			01/14/21 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 18:52	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/L			01/14/21 18:52	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			01/14/21 18:52	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L			01/14/21 18:52	1
2,2-Dichloropropane	ND		1.0	0.55	ug/L			01/14/21 18:52	1

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

Client Sample ID: TB-010821
Date Collected: 01/08/21 09:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	3.6	ug/L			01/14/21 18:52	1
2-Chlorotoluene	ND		1.0	0.27	ug/L			01/14/21 18:52	1
2-Hexanone	ND		10	3.1	ug/L			01/14/21 18:52	1
4-Chlorotoluene	ND		1.0	0.32	ug/L			01/14/21 18:52	1
4-Methyl-2-pentanone	ND		10	2.9	ug/L			01/14/21 18:52	1
Acetone	ND		20	10	ug/L			01/14/21 18:52	1
Benzene	ND		0.50	0.20	ug/L			01/14/21 18:52	1
Bromobenzene	ND		1.0	0.30	ug/L			01/14/21 18:52	1
Bromochloromethane	ND		2.0	0.30	ug/L			01/14/21 18:52	1
Bromodichloromethane	ND		1.0	0.28	ug/L			01/14/21 18:52	1
Bromoform	ND		5.0	1.5	ug/L			01/14/21 18:52	1
Bromomethane	ND		25	15	ug/L			01/14/21 18:52	1
Carbon disulfide	ND		10	0.40	ug/L			01/14/21 18:52	1
Carbon tetrachloride	ND		0.50	0.34	ug/L			01/14/21 18:52	1
Chlorobenzene	ND		1.0	0.21	ug/L			01/14/21 18:52	1
Chloroethane	ND		5.0	2.4	ug/L			01/14/21 18:52	1
Chloroform	ND		1.0	0.50	ug/L			01/14/21 18:52	1
Chloromethane	ND		10	2.3	ug/L			01/14/21 18:52	1
cis-1,2-Dichloroethene	ND		1.0	0.51	ug/L			01/14/21 18:52	1
cis-1,3-Dichloropropene	ND		0.50	0.23	ug/L			01/14/21 18:52	1
Dibromochloromethane	ND		2.0	0.34	ug/L			01/14/21 18:52	1
Dibromomethane	ND		1.0	0.38	ug/L			01/14/21 18:52	1
Dichlorodifluoromethane	ND		5.0	0.56	ug/L			01/14/21 18:52	1
Ethylbenzene	ND		1.0	0.33	ug/L			01/14/21 18:52	1
Isopropylbenzene	ND		1.0	0.37	ug/L			01/14/21 18:52	1
m,p-Xylene	ND		2.0	0.48	ug/L			01/14/21 18:52	1
Methylene Chloride	ND		10	4.0	ug/L			01/14/21 18:52	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.34	ug/L			01/14/21 18:52	1
Naphthalene	ND		10	5.0	ug/L			01/14/21 18:52	1
n-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 18:52	1
N-Propylbenzene	ND		1.0	0.41	ug/L			01/14/21 18:52	1
o-Xylene	ND		1.0	0.26	ug/L			01/14/21 18:52	1
p-Isopropyltoluene	ND		1.0	0.38	ug/L			01/14/21 18:52	1
sec-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 18:52	1
Styrene	ND		1.0	0.38	ug/L			01/14/21 18:52	1
tert-Butylbenzene	ND		1.0	0.36	ug/L			01/14/21 18:52	1
Tetrachloroethene	ND		1.0	0.35	ug/L			01/14/21 18:52	1
Toluene	ND		1.0	0.34	ug/L			01/14/21 18:52	1
trans-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/14/21 18:52	1
trans-1,3-Dichloropropene	ND		0.50	0.30	ug/L			01/14/21 18:52	1
Trichloroethene	ND		1.0	0.35	ug/L			01/14/21 18:52	1
Trichlorofluoromethane	ND		10	0.36	ug/L			01/14/21 18:52	1
Vinyl acetate	ND		10	4.6	ug/L			01/14/21 18:52	1
Vinyl chloride	ND		0.50	0.26	ug/L			01/14/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*		*01/14/21 18:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*01/14/21 18:52*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 128*		*01/14/21 18:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/14/21 18:52*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
1,2-Dichlorobenzene	ND		0.50	0.074	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
1,3-Dichlorobenzene	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
1,4-Dichlorobenzene	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
1-Methylnaphthalene	ND		0.50	0.036	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4,5-Trichlorophenol	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4,6-Trichlorophenol	ND		0.50	0.079	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4-Dichlorophenol	ND		0.50	0.042	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4-Dimethylphenol	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,4-Dinitrotoluene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,6-Dichlorophenol	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2,6-Dinitrotoluene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Chloronaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Chlorophenol	ND		0.50	0.099	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Methylnaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Methylphenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Nitroaniline	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
2-Nitrophenol	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
3 & 4 Methylphenol	ND		1.0	0.63	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
3,3'-Dichlorobenzidine	ND		2.5	0.82	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
3-Nitroaniline	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.98	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Bromophenyl phenyl ether	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Chloro-3-methylphenol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Chloroaniline	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Chlorophenyl phenyl ether	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Nitroaniline	ND		0.50	0.044	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
4-Nitrophenol	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Acenaphthene	ND		0.50	0.054	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Acenaphthylene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Aniline	ND		0.50	0.040	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Anthracene	ND		0.50	0.051	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Azobenzene	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzidine	ND		5.0	1.4	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzo[a]anthracene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzo[a]pyrene	ND		0.50	0.077	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzo[b]fluoranthene	ND		0.50	0.080	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzo[g,h,i]perylene	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzo[k]fluoranthene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Benzyl alcohol	ND		0.50	0.085	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
bis (2-Chloroisopropyl) ether	ND		0.50	0.060	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Bis(2-chloroethoxy)methane	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.25	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Butyl benzyl phthalate	ND		0.50	0.22	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Chrysene	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Dibenz(a,h)anthracene	ND		0.50	0.10	mg/Kg		01/12/21 10:27	01/13/21 15:44	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Diethyl phthalate	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Dimethyl phthalate	ND		0.50	0.063	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Di-n-butyl phthalate	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Di-n-octyl phthalate	ND		0.50	0.36	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Fluoranthene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Fluorene	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Hexachloro-1,3-butadiene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Hexachlorobenzene	ND		0.50	0.092	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Hexachlorocyclopentadiene	ND		1.5	0.38	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Hexachloroethane	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.091	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Isophorone	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Naphthalene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Nitrobenzene	ND		2.0	0.044	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
N-Nitrosodimethylamine	ND		0.50	0.077	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
N-Nitrosodi-n-propylamine	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
N-Nitrosodiphenylamine	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Pentachlorophenol	ND		2.5	1.0	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Phenanthrene	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Phenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Pyrene	ND		0.50	0.075	mg/Kg		01/12/21 10:27	01/13/21 15:44	1
Pyridine	ND		0.50	0.083	mg/Kg		01/12/21 10:27	01/13/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*18 - 138*	*01/12/21 10:27*	*01/13/21 15:44*	*1*
2-Fluorobiphenyl (Surr)	*64*		*27 - 120*	*01/12/21 10:27*	*01/13/21 15:44*	*1*
2-Fluorophenol (Surr)	*86*		*25 - 120*	*01/12/21 10:27*	*01/13/21 15:44*	*1*
Nitrobenzene-d5 (Surr)	*68*		*33 - 123*	*01/12/21 10:27*	*01/13/21 15:44*	*1*
Phenol-d6 (Surr)	*93*		*26 - 122*	*01/12/21 10:27*	*01/13/21 15:44*	*1*
p-Terphenyl-d14 (Surr)	*79*		*27 - 159*	*01/12/21 10:27*	*01/13/21 15:44*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
1,2-Dichlorobenzene	ND		0.50	0.074	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
1,3-Dichlorobenzene	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
1,4-Dichlorobenzene	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
1-Methylnaphthalene	ND		0.50	0.036	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4,5-Trichlorophenol	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4,6-Trichlorophenol	ND		0.50	0.078	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4-Dichlorophenol	ND		0.50	0.042	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4-Dimethylphenol	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,4-Dinitrotoluene	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,6-Dichlorophenol	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2,6-Dinitrotoluene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2-Chloronaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50	0.098	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2-Methylnaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2-Methylphenol	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2-Nitroaniline	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
2-Nitrophenol	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
3 & 4 Methylphenol	ND		1.0	0.62	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
3,3'-Dichlorobenzidine	ND		2.5	0.81	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
3-Nitroaniline	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.97	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Bromophenyl phenyl ether	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Chloro-3-methylphenol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Chloroaniline	ND		0.50	0.072	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Chlorophenyl phenyl ether	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Nitroaniline	ND		0.50	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
4-Nitrophenol	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Acenaphthene	ND		0.50	0.054	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Acenaphthylene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Aniline	ND		0.50	0.040	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Anthracene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Azobenzene	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzidine	ND		5.0	1.4	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzo[a]anthracene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzo[a]pyrene	ND		0.50	0.076	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzo[b]fluoranthene	ND		0.50	0.080	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzo[g,h,i]perylene	ND		0.50	0.083	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzo[k]fluoranthene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Benzyl alcohol	ND		0.50	0.085	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
bis (2-Chloroisopropyl) ether	ND		0.50	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Bis(2-chloroethoxy)methane	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.25	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Butyl benzyl phthalate	ND		0.50	0.22	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Chrysene	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Dibenz(a,h)anthracene	ND		0.50	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Dibenzofuran	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Diethyl phthalate	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Dimethyl phthalate	ND		0.50	0.063	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Di-n-butyl phthalate	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Di-n-octyl phthalate	ND		0.50	0.36	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Fluoranthene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Fluorene	ND		0.50	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Hexachloro-1,3-butadiene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Hexachlorobenzene	ND		0.50	0.092	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Hexachlorocyclopentadiene	ND		1.5	0.38	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Hexachloroethane	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.090	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Isophorone	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Naphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		2.0	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
N-Nitrosodimethylamine	ND		0.50	0.076	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
N-Nitrosodi-n-propylamine	ND		0.50	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
N-Nitrosodiphenylamine	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Pentachlorophenol	ND		2.5	1.0	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Phenanthrene	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Phenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Pyrene	ND		0.50	0.075	mg/Kg		01/12/21 10:27	01/13/21 16:02	1
Pyridine	ND		0.50	0.082	mg/Kg		01/12/21 10:27	01/13/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*18 - 138*	*01/12/21 10:27*	*01/13/21 16:02*	*1*
2-Fluorobiphenyl (Surr)	*62*		*27 - 120*	*01/12/21 10:27*	*01/13/21 16:02*	*1*
2-Fluorophenol (Surr)	*80*		*25 - 120*	*01/12/21 10:27*	*01/13/21 16:02*	*1*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*	*01/12/21 10:27*	*01/13/21 16:02*	*1*
Phenol-d6 (Surr)	*86*		*26 - 122*	*01/12/21 10:27*	*01/13/21 16:02*	*1*
p-Terphenyl-d14 (Surr)	*75*		*27 - 159*	*01/12/21 10:27*	*01/13/21 16:02*	*1*

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
1,2-Dichlorobenzene	ND		0.49	0.073	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
1,3-Dichlorobenzene	ND		0.49	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
1,4-Dichlorobenzene	ND		0.49	0.070	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
1-Methylnaphthalene	ND		0.49	0.036	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4,5-Trichlorophenol	ND		0.49	0.070	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4,6-Trichlorophenol	ND		0.49	0.077	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4-Dichlorophenol	ND		0.49	0.041	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4-Dimethylphenol	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4-Dinitrophenol	ND	F1	2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,4-Dinitrotoluene	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,6-Dichlorophenol	ND	F1	0.49	0.064	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2,6-Dinitrotoluene	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Chloronaphthalene	ND		0.49	0.056	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Chlorophenol	ND		0.49	0.097	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Methylnaphthalene	ND		0.49	0.056	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Methylphenol	ND		0.49	0.093	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Nitroaniline	ND		0.49	0.064	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
2-Nitrophenol	ND		0.49	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
3 & 4 Methylphenol	ND		0.99	0.62	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
3,3'-Dichlorobenzidine	ND		2.5	0.81	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
3-Nitroaniline	ND		0.49	0.047	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.96	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4-Bromophenyl phenyl ether	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4-Chloro-3-methylphenol	ND		0.49	0.083	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4-Chloroaniline	ND		0.49	0.072	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4-Chlorophenyl phenyl ether	ND		0.49	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
4-Nitroaniline	ND		0.49	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:21	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.49	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Acenaphthene	ND		0.49	0.053	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Acenaphthylene	ND		0.49	0.038	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Aniline	ND	F1	0.49	0.040	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Anthracene	ND		0.49	0.050	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Azobenzene	ND		0.49	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzidine	ND		4.9	1.4	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzo[a]anthracene	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzo[a]pyrene	ND		0.49	0.076	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzo[b]fluoranthene	ND		0.49	0.079	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzo[g,h,i]perylene	ND		0.49	0.082	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzo[k]fluoranthene	ND		0.49	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzoic acid	ND	F1	2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Benzyl alcohol	ND		0.49	0.084	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
bis (2-Chloroisopropyl) ether	ND		0.49	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Bis(2-chloroethoxy)methane	ND		0.49	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Bis(2-ethylhexyl) phthalate	ND		0.49	0.25	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Butyl benzyl phthalate	ND		0.49	0.22	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Chrysene	ND		0.49	0.067	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Dibenz(a,h)anthracene	ND		0.49	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Dibenzofuran	ND		0.49	0.093	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Diethyl phthalate	ND		0.49	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Dimethyl phthalate	ND		0.49	0.062	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Di-n-butyl phthalate	ND		0.49	0.072	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Di-n-octyl phthalate	ND		0.49	0.36	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Fluoranthene	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Fluorene	ND		0.49	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Hexachloro-1,3-butadiene	ND		0.49	0.049	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Hexachlorobenzene	ND		0.49	0.091	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Hexachlorocyclopentadiene	ND		1.5	0.37	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Hexachloroethane	ND		0.49	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.089	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Isophorone	ND		0.49	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Naphthalene	ND		0.49	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Nitrobenzene	ND		2.0	0.043	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
N-Nitrosodimethylamine	ND		0.49	0.076	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
N-Nitrosodi-n-propylamine	ND		0.49	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
N-Nitrosodiphenylamine	ND		0.49	0.038	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Pentachlorophenol	ND		2.5	0.99	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Phenanthrene	ND		0.49	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Phenol	ND		0.49	0.094	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Pyrene	ND		0.49	0.074	mg/Kg		01/12/21 10:27	01/13/21 16:21	1
Pyridine	ND	F1	0.49	0.081	mg/Kg		01/12/21 10:27	01/13/21 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*18 - 138*	*01/12/21 10:27*	*01/13/21 16:21*	*1*
2-Fluorobiphenyl (Surr)	*60*		*27 - 120*	*01/12/21 10:27*	*01/13/21 16:21*	*1*
2-Fluorophenol (Surr)	*79*		*25 - 120*	*01/12/21 10:27*	*01/13/21 16:21*	*1*
Nitrobenzene-d5 (Surr)	*64*		*33 - 123*	*01/12/21 10:27*	*01/13/21 16:21*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6 (Surr)	*85*		*26 - 122*	*01/12/21 10:27*	*01/13/21 16:21*	*1*
p-Terphenyl-d14 (Surr)	*75*		*27 - 159*	*01/12/21 10:27*	*01/13/21 16:21*	*1*

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
1,2-Dichlorobenzene	ND		9.7	3.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
1,3-Dichlorobenzene	ND		9.7	3.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
1,4-Dichlorobenzene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
1-Methylnaphthalene	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4,5-Trichlorophenol	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4,6-Trichlorophenol	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4-Dichlorophenol	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4-Dimethylphenol	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4-Dinitrophenol	ND		49	13	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,4-Dinitrotoluene	ND		9.7	2.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,6-Dichlorophenol	ND		9.7	1.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
2,6-Dinitrotoluene	ND		9.7	2.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Chloronaphthalene	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Chlorophenol	ND		9.7	2.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Methylnaphthalene	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Methylphenol	ND		9.7	2.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Nitroaniline	ND		9.7	2.2	ug/L		01/14/21 10:27	01/18/21 18:07	1
2-Nitrophenol	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
3 & 4 Methylphenol	ND		9.7	2.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
3,3'-Dichlorobenzidine	ND		24	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
3-Nitroaniline	ND		9.7	2.2	ug/L		01/14/21 10:27	01/18/21 18:07	1
4,6-Dinitro-2-methylphenol	ND		49	14	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Bromophenyl phenyl ether	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Chloro-3-methylphenol	ND		9.7	2.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Chloroaniline	ND		9.7	1.9	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Chlorophenyl phenyl ether	ND		9.7	2.6	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Nitroaniline	ND		9.7	2.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
4-Nitrophenol	ND		9.7	1.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Acenaphthene	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
Acenaphthylene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Aniline	ND		9.7	1.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Anthracene	ND		9.7	2.9	ug/L		01/14/21 10:27	01/18/21 18:07	1
Azobenzene	ND		9.7	2.6	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzidine	ND		49	6.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzo[a]anthracene	ND		9.7	4.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzo[a]pyrene	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzo[b]fluoranthene	ND		9.7	2.2	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzo[g,h,i]perylene	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzo[k]fluoranthene	ND		9.7	3.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzoic acid	ND		49	12	ug/L		01/14/21 10:27	01/18/21 18:07	1
Benzyl alcohol	ND		9.7	2.1	ug/L		01/14/21 10:27	01/18/21 18:07	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		9.7	3.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
Bis(2-chloroethoxy)methane	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Bis(2-chloroethyl)ether	ND		24	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
Butyl benzyl phthalate	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
Chrysene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Dibenz(a,h)anthracene	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Dibenzofuran	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
Diethyl phthalate	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
Dimethyl phthalate	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Di-n-butyl phthalate	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Di-n-octyl phthalate	ND		9.7	2.4	ug/L		01/14/21 10:27	01/18/21 18:07	1
Fluoranthene	ND		9.7	3.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
Fluorene	ND		9.7	2.6	ug/L		01/14/21 10:27	01/18/21 18:07	1
Hexachloro-1,3-butadiene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Hexachlorobenzene	ND		9.7	3.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
Hexachlorocyclopentadiene	ND		24	6.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
Hexachloroethane	ND		9.7	2.9	ug/L		01/14/21 10:27	01/18/21 18:07	1
Indeno[1,2,3-cd]pyrene	ND		9.7	2.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
Isophorone	ND		9.7	2.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Naphthalene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Nitrobenzene	ND		24	2.9	ug/L		01/14/21 10:27	01/18/21 18:07	1
N-Nitrosodimethylamine	ND		9.7	3.1	ug/L		01/14/21 10:27	01/18/21 18:07	1
N-Nitrosodi-n-propylamine	ND		9.7	2.3	ug/L		01/14/21 10:27	01/18/21 18:07	1
N-Nitrosodiphenylamine	ND		9.7	2.7	ug/L		01/14/21 10:27	01/18/21 18:07	1
Pentachlorophenol	ND		9.7	4.5	ug/L		01/14/21 10:27	01/18/21 18:07	1
Phenanthrene	ND		9.7	2.8	ug/L		01/14/21 10:27	01/18/21 18:07	1
Phenol	ND		9.7	2.0	ug/L		01/14/21 10:27	01/18/21 18:07	1
Pyrene	ND		9.7	2.9	ug/L		01/14/21 10:27	01/18/21 18:07	1
Pyridine	ND		9.7	2.9	ug/L		01/14/21 10:27	01/18/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*114*		*32 - 143*	*01/14/21 10:27*	*01/18/21 18:07*	*1*
2-Fluorobiphenyl (Surr)	*92*		*45 - 120*	*01/14/21 10:27*	*01/18/21 18:07*	*1*
2-Fluorophenol (Surr)	*61*		*15 - 138*	*01/14/21 10:27*	*01/18/21 18:07*	*1*
Nitrobenzene-d5 (Surr)	*93*		*56 - 123*	*01/14/21 10:27*	*01/18/21 18:07*	*1*
Phenol-d6 (Surr)	*41*		*17 - 141*	*01/14/21 10:27*	*01/18/21 18:07*	*1*
p-Terphenyl-d14 (Surr)	*120*		*46 - 133*	*01/14/21 10:27*	*01/18/21 18:07*	*1*

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
1,2-Dichlorobenzene	ND		0.49	0.073	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
1,3-Dichlorobenzene	ND		0.49	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
1,4-Dichlorobenzene	ND		0.49	0.070	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
1-Methylnaphthalene	ND		0.49	0.036	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,4,5-Trichlorophenol	ND		0.49	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,4,6-Trichlorophenol	ND		0.49	0.077	mg/Kg		01/12/21 10:27	01/13/21 16:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.49	0.041	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,4-Dimethylphenol	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,4-Dinitrotoluene	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,6-Dichlorophenol	ND		0.49	0.064	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2,6-Dinitrotoluene	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Chloronaphthalene	ND		0.49	0.056	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Chlorophenol	ND		0.49	0.097	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Methylnaphthalene	ND		0.49	0.056	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Methylphenol	ND		0.49	0.093	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Nitroaniline	ND		0.49	0.064	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
2-Nitrophenol	ND		0.49	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
3 & 4 Methylphenol	ND		0.99	0.62	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
3,3'-Dichlorobenzidine	ND		2.5	0.80	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
3-Nitroaniline	ND		0.49	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.96	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Bromophenyl phenyl ether	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Chloro-3-methylphenol	ND		0.49	0.083	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Chloroaniline	ND		0.49	0.071	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Chlorophenyl phenyl ether	ND		0.49	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Nitroaniline	ND		0.49	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
4-Nitrophenol	ND		0.49	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Acenaphthene	ND		0.49	0.053	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Acenaphthylene	ND		0.49	0.038	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Aniline	ND		0.49	0.040	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Anthracene	ND		0.49	0.050	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Azobenzene	ND		0.49	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzidine	ND		4.9	1.4	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzo[a]anthracene	ND		0.49	0.045	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzo[a]pyrene	ND		0.49	0.075	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzo[b]fluoranthene	ND		0.49	0.079	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzo[g,h,i]perylene	ND		0.49	0.082	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzo[k]fluoranthene	ND		0.49	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Benzyl alcohol	ND		0.49	0.084	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
bis (2-Chloroisopropyl) ether	ND		0.49	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Bis(2-chloroethoxy)methane	ND		0.49	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Bis(2-ethylhexyl) phthalate	ND		0.49	0.25	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Butyl benzyl phthalate	ND		0.49	0.22	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Chrysene	ND		0.49	0.067	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Dibenz(a,h)anthracene	ND		0.49	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Dibenzofuran	ND		0.49	0.093	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Diethyl phthalate	ND		0.49	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Dimethyl phthalate	ND		0.49	0.062	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Di-n-butyl phthalate	ND		0.49	0.072	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Di-n-octyl phthalate	ND		0.49	0.35	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Fluoranthene	ND		0.49	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Fluorene	ND		0.49	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	ND		0.49	0.049	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Hexachlorobenzene	ND		0.49	0.091	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Hexachlorocyclopentadiene	ND		1.5	0.37	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Hexachloroethane	ND		0.49	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.49	0.089	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Isophorone	ND		0.49	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Naphthalene	ND		0.49	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Nitrobenzene	ND		2.0	0.043	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
N-Nitrosodimethylamine	ND		0.49	0.075	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
N-Nitrosodi-n-propylamine	ND		0.49	0.066	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
N-Nitrosodiphenylamine	ND		0.49	0.038	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Pentachlorophenol	ND		2.5	0.99	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Phenanthrene	ND		0.49	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Phenol	ND		0.49	0.094	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Pyrene	ND		0.49	0.074	mg/Kg		01/12/21 10:27	01/13/21 16:40	1
Pyridine	ND		0.49	0.081	mg/Kg		01/12/21 10:27	01/13/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*18 - 138*	*01/12/21 10:27*	*01/13/21 16:40*	*1*
2-Fluorobiphenyl (Surr)	*58*		*27 - 120*	*01/12/21 10:27*	*01/13/21 16:40*	*1*
2-Fluorophenol (Surr)	*75*		*25 - 120*	*01/12/21 10:27*	*01/13/21 16:40*	*1*
Nitrobenzene-d5 (Surr)	*61*		*33 - 123*	*01/12/21 10:27*	*01/13/21 16:40*	*1*
Phenol-d6 (Surr)	*78*		*26 - 122*	*01/12/21 10:27*	*01/13/21 16:40*	*1*
p-Terphenyl-d14 (Surr)	*69*		*27 - 159*	*01/12/21 10:27*	*01/13/21 16:40*	*1*

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
1,2-Dichlorobenzene	ND		0.50	0.074	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
1,3-Dichlorobenzene	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
1,4-Dichlorobenzene	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
1-Methylnaphthalene	ND		0.50	0.036	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4,5-Trichlorophenol	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4,6-Trichlorophenol	ND		0.50	0.079	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4-Dichlorophenol	ND		0.50	0.042	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4-Dimethylphenol	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,4-Dinitrotoluene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,6-Dichlorophenol	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2,6-Dinitrotoluene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Chloronaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Chlorophenol	ND		0.50	0.099	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Methylnaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Methylphenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Nitroaniline	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
2-Nitrophenol	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
3 & 4 Methylphenol	ND		1.0	0.63	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
3,3'-Dichlorobenzidine	ND		2.5	0.82	mg/Kg		01/12/21 10:27	01/13/21 16:59	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.98	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Bromophenyl phenyl ether	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Chloro-3-methylphenol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Chloroaniline	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Chlorophenyl phenyl ether	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Nitroaniline	ND		0.50	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
4-Nitrophenol	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Acenaphthene	ND		0.50	0.054	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Acenaphthylene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Aniline	ND		0.50	0.040	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Anthracene	ND		0.50	0.051	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Azobenzene	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzidine	ND		5.0	1.4	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzo[a]anthracene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzo[a]pyrene	ND		0.50	0.077	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzo[b]fluoranthene	ND		0.50	0.080	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzo[g,h,i]perylene	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzo[k]fluoranthene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Benzyl alcohol	ND		0.50	0.085	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
bis (2-Chloroisopropyl) ether	ND		0.50	0.060	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Bis(2-chloroethoxy)methane	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.25	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Butyl benzyl phthalate	ND		0.50	0.22	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Chrysene	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Dibenz(a,h)anthracene	ND		0.50	0.10	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Dibenzofuran	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Diethyl phthalate	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Dimethyl phthalate	ND		0.50	0.063	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Di-n-butyl phthalate	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Di-n-octyl phthalate	ND		0.50	0.36	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Fluoranthene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Fluorene	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Hexachloro-1,3-butadiene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Hexachlorobenzene	ND		0.50	0.092	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Hexachlorocyclopentadiene	ND		1.5	0.38	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Hexachloroethane	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.091	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Isophorone	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Naphthalene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Nitrobenzene	ND		2.0	0.044	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
N-Nitrosodimethylamine	ND		0.50	0.077	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
N-Nitrosodi-n-propylamine	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
N-Nitrosodiphenylamine	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Pentachlorophenol	ND		2.5	1.0	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Phenanthrene	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Phenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 16:59	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.50	0.075	mg/Kg		01/12/21 10:27	01/13/21 16:59	1
Pyridine	ND		0.50	0.083	mg/Kg		01/12/21 10:27	01/13/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*01/12/21 10:27*	*01/13/21 16:59*	*1*
2-Fluorobiphenyl (Surr)	*66*		*27 - 120*	*01/12/21 10:27*	*01/13/21 16:59*	*1*
2-Fluorophenol (Surr)	*81*		*25 - 120*	*01/12/21 10:27*	*01/13/21 16:59*	*1*
Nitrobenzene-d5 (Surr)	*68*		*33 - 123*	*01/12/21 10:27*	*01/13/21 16:59*	*1*
Phenol-d6 (Surr)	*89*		*26 - 122*	*01/12/21 10:27*	*01/13/21 16:59*	*1*
p-Terphenyl-d14 (Surr)	*77*		*27 - 159*	*01/12/21 10:27*	*01/13/21 16:59*	*1*

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
1,2-Dichlorobenzene	ND		0.50	0.074	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
1,3-Dichlorobenzene	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
1,4-Dichlorobenzene	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
1-Methylnaphthalene	ND		0.50	0.036	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4,5-Trichlorophenol	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4,6-Trichlorophenol	ND		0.50	0.078	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4-Dichlorophenol	ND		0.50	0.042	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4-Dimethylphenol	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,4-Dinitrotoluene	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,6-Dichlorophenol	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2,6-Dinitrotoluene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Chloronaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Chlorophenol	ND		0.50	0.098	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Methylnaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Methylphenol	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Nitroaniline	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
2-Nitrophenol	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
3 & 4 Methylphenol	ND		0.99	0.62	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
3,3'-Dichlorobenzidine	ND		2.5	0.81	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
3-Nitroaniline	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.97	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Bromophenyl phenyl ether	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Chloro-3-methylphenol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Chloroaniline	ND		0.50	0.072	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Chlorophenyl phenyl ether	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Nitroaniline	ND		0.50	0.044	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
4-Nitrophenol	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Acenaphthene	ND		0.50	0.054	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Acenaphthylene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Aniline	ND		0.50	0.040	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Anthracene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Azobenzene	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzidine	ND		5.0	1.4	mg/Kg		01/12/21 10:27	01/13/21 17:18	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzo[a]pyrene	ND		0.50	0.076	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzo[b]fluoranthene	ND		0.50	0.079	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzo[g,h,i]perylene	ND		0.50	0.083	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzo[k]fluoranthene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Benzyl alcohol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
bis (2-Chloroisopropyl) ether	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Bis(2-chloroethoxy)methane	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.25	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Butyl benzyl phthalate	ND		0.50	0.22	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Chrysene	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Dibenz(a,h)anthracene	ND		0.50	0.10	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Dibenzofuran	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Diethyl phthalate	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Dimethyl phthalate	ND		0.50	0.063	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Di-n-butyl phthalate	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Di-n-octyl phthalate	ND		0.50	0.36	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Fluoranthene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Fluorene	ND		0.50	0.066	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Hexachloro-1,3-butadiene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Hexachlorobenzene	ND		0.50	0.091	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Hexachlorocyclopentadiene	ND		1.5	0.37	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Hexachloroethane	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.090	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Isophorone	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Naphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Nitrobenzene	ND		2.0	0.043	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
N-Nitrosodimethylamine	ND		0.50	0.076	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
N-Nitrosodi-n-propylamine	ND		0.50	0.066	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
N-Nitrosodiphenylamine	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Pentachlorophenol	ND		2.5	1.0	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Phenanthrene	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Phenol	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Pyrene	ND		0.50	0.075	mg/Kg		01/12/21 10:27	01/13/21 17:18	1
Pyridine	ND		0.50	0.082	mg/Kg		01/12/21 10:27	01/13/21 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 138*	*01/12/21 10:27*	*01/13/21 17:18*	*1*
2-Fluorobiphenyl (Surr)	*56*		*27 - 120*	*01/12/21 10:27*	*01/13/21 17:18*	*1*
2-Fluorophenol (Surr)	*72*		*25 - 120*	*01/12/21 10:27*	*01/13/21 17:18*	*1*
Nitrobenzene-d5 (Surr)	*59*		*33 - 123*	*01/12/21 10:27*	*01/13/21 17:18*	*1*
Phenol-d6 (Surr)	*79*		*26 - 122*	*01/12/21 10:27*	*01/13/21 17:18*	*1*
p-Terphenyl-d14 (Surr)	*64*		*27 - 159*	*01/12/21 10:27*	*01/13/21 17:18*	*1*

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

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098	0.055	mg/Kg		01/14/21 11:49	01/14/21 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*42 - 126*	*01/14/21 11:49*	*01/14/21 22:08*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.055	mg/Kg		01/14/21 11:49	01/14/21 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*01/14/21 11:49*	*01/14/21 22:32*	*1*

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.055	mg/Kg		01/14/21 11:49	01/14/21 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*42 - 126*	*01/14/21 11:49*	*01/14/21 22:55*	*1*

Client Sample ID: SB08-GW
Date Collected: 01/08/21 11:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		50	30	ug/L			01/14/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*47*		*38 - 134*		*01/14/21 18:44*	*1*

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		50	30	ug/L			01/14/21 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*48*		*38 - 134*		*01/14/21 20:44*	*1*

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10	0.055	mg/Kg		01/14/21 11:49	01/14/21 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*01/14/21 11:49*	*01/14/21 23:19*	*1*

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

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.055	mg/Kg		01/14/21 11:49	01/14/21 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*42 - 126*	*01/14/21 11:49*	*01/14/21 23:43*	*1*

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098	0.055	mg/Kg		01/14/21 11:49	01/15/21 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*		*42 - 126*	*01/14/21 11:49*	*01/15/21 00:07*	*1*

Client Sample ID: SB05-GW
Date Collected: 01/08/21 14:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		50	30	ug/L			01/14/21 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*		*38 - 134*		*01/14/21 19:09*	*1*

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

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C15-C16	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C17-C18	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C19-C20	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C21-C22	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C23-C24	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C25-C28	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C29-C32	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C33-C36	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C37-C40	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C41-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C13-C22	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C23-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1
C13-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*126*		*61 - 145*	*01/16/21 10:34*	*01/18/21 23:37*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C15-C16	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C17-C18	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C19-C20	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C21-C22	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C23-C24	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C25-C28	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C29-C32	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C33-C36	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C37-C40	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C41-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C13-C22	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C23-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1
C13-C44	ND		5.0	3.9	mg/Kg		01/16/21 10:34	01/18/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*61 - 145*	*01/16/21 10:34*	*01/18/21 23:57*	*1*

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C15-C16	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C17-C18	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C19-C20	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C21-C22	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C23-C24	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1

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

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C25-C28	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C29-C32	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C33-C36	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C37-C40	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C41-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C13-C22	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C23-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1
C13-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*61 - 145*	*01/16/21 10:34*	*01/19/21 00:17*	*1*

Client Sample ID: SB08-GW
Date Collected: 01/08/21 11:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C15-C16	ND		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C17-C18	**23**	**J**	47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C19-C20	**69**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C21-C22	**79**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C23-C24	**72**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C25-C28	**81**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C29-C32	**44**	**J**	47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C33-C36	**29**	**J**	47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C37-C40	ND		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C41-C44	ND		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C13-C22	**200**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C23-C44	**230**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1
C13-C44	**420**		47	21	ug/L		01/13/21 11:19	01/14/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*87*		*68 - 140*	*01/13/21 11:19*	*01/14/21 22:02*	*1*

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C15-C16	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C17-C18	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C19-C20	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C21-C22	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C23-C24	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C25-C28	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C29-C32	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C33-C36	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C37-C40	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C41-C44	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C13-C22	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1

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

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C23-C44	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1
C13-C44	ND		46	20	ug/L		01/13/21 11:19	01/14/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*68 - 140*	*01/13/21 11:19*	*01/14/21 22:23*	*1*

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C15-C16	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C17-C18	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C19-C20	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C21-C22	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C23-C24	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C25-C28	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C29-C32	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C33-C36	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C37-C40	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C41-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C13-C22	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C23-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1
C13-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*124*		*61 - 145*	*01/16/21 10:34*	*01/19/21 00:59*	*1*

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C15-C16	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C17-C18	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C19-C20	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C21-C22	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C23-C24	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C25-C28	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C29-C32	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C33-C36	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C37-C40	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C41-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C13-C22	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C23-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1
C13-C44	ND		4.9	3.8	mg/Kg		01/16/21 10:34	01/19/21 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*116*		*61 - 145*	*01/16/21 10:34*	*01/19/21 01:19*	*1*

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

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

Client Sample ID: SB05-GW
Date Collected: 01/08/21 14:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C15-C16	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C17-C18	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C19-C20	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C21-C22	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C23-C24	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C25-C28	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C29-C32	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C33-C36	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C37-C40	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C41-C44	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C13-C22	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C23-C44	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1
C13-C44	ND		55	24	ug/L		01/13/21 11:19	01/14/21 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*68 - 140*	*01/13/21 11:19*	*01/14/21 22:42*	*1*

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

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

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C15-C16	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C17-C18	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C19-C20	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C21-C22	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C23-C24	ND		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C25-C28	**24**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C29-C32	**55**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C33-C36	**56**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C37-C40	**53**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C41-C44	**34**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C13-C22	**15**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C23-C44	**230**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2
C13-C44	**240**		10	7.7	mg/Kg		01/16/21 10:34	01/19/21 11:32	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*114*		*61 - 145*	*01/16/21 10:34*	*01/19/21 11:32*	*2*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SB08-0-0.5
Date Collected: 01/08/21 08:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 06:31	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*84*		*38 - 148*	*01/12/21 10:29*	*01/14/21 06:31*	*1*
DCB Decachlorobiphenyl (Surr)	*126*		*37 - 151*	*01/12/21 10:29*	*01/14/21 06:31*	*1*

Client Sample ID: SB08-1.0-1.5
Date Collected: 01/08/21 08:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 06:46	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB08-1.0-1.5
Date Collected: 01/08/21 08:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 06:46	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*103*		*38 - 148*	*01/12/21 10:29*	*01/14/21 06:46*	*1*
DCB Decachlorobiphenyl (Surr)	*140*		*37 - 151*	*01/12/21 10:29*	*01/14/21 06:46*	*1*

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:22	01/13/21 13:22	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/13/21 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*38 - 148*	*01/12/21 10:22*	*01/13/21 13:22*	*1*
DCB Decachlorobiphenyl (Surr)	*125*		*37 - 151*	*01/12/21 10:22*	*01/13/21 13:22*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	0.98	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
4,4'-DDE	ND		4.9	0.53	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
4,4'-DDT	ND		4.9	0.36	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Aldrin	ND		4.9	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
alpha-BHC	ND		4.9	3.0	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
alpha-Chlordane	ND		4.9	1.3	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
beta-BHC	ND		4.9	3.6	ug/Kg		01/12/21 10:22	01/14/21 05:06	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		25	2.3	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
delta-BHC	ND		4.9	3.3	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Dieldrin	ND		4.9	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endosulfan I	ND		4.9	0.43	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endosulfan II	ND		4.9	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endosulfan sulfate	ND		4.9	0.40	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endrin	ND		4.9	0.33	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endrin aldehyde	ND		4.9	0.72	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Endrin ketone	ND		4.9	0.47	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
gamma-Chlordane	ND		4.9	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
gamma-BHC	ND		4.9	0.62	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Heptachlor	ND		4.9	0.88	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Heptachlor epoxide	ND		4.9	0.66	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Methoxychlor	ND		4.9	0.80	ug/Kg		01/12/21 10:22	01/14/21 05:06	1
Toxaphene	ND		25	19	ug/Kg		01/12/21 10:22	01/14/21 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*86*		*38 - 148*	*01/12/21 10:22*	*01/14/21 05:06*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*37 - 151*	*01/12/21 10:22*	*01/14/21 05:06*	*1*

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:22	01/14/21 05:20	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/14/21 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*38 - 148*	*01/12/21 10:22*	*01/14/21 05:20*	*1*
DCB Decachlorobiphenyl (Surr)	*123*		*37 - 151*	*01/12/21 10:22*	*01/14/21 05:20*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.013	ug/L		01/12/21 11:47	01/14/21 01:05	1
4,4'-DDE	ND		0.019	0.0081	ug/L		01/12/21 11:47	01/14/21 01:05	1
4,4'-DDT	ND		0.048	0.025	ug/L		01/12/21 11:47	01/14/21 01:05	1
Aldrin	ND		0.048	0.010	ug/L		01/12/21 11:47	01/14/21 01:05	1
alpha-BHC	ND		0.019	0.0091	ug/L		01/12/21 11:47	01/14/21 01:05	1
alpha-Chlordane	ND		0.019	0.0072	ug/L		01/12/21 11:47	01/14/21 01:05	1
beta-BHC	ND		0.019	0.0072	ug/L		01/12/21 11:47	01/14/21 01:05	1
Chlordane	ND		0.095	0.035	ug/L		01/12/21 11:47	01/14/21 01:05	1
delta-BHC	ND		0.019	0.0072	ug/L		01/12/21 11:47	01/14/21 01:05	1
Dieldrin	ND		0.048	0.011	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endosulfan I	ND		0.048	0.011	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endosulfan II	ND		0.048	0.010	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endosulfan sulfate	ND		0.048	0.013	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endrin	ND		0.019	0.0095	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endrin aldehyde	ND		0.095	0.031	ug/L		01/12/21 11:47	01/14/21 01:05	1
Endrin ketone	ND		0.048	0.012	ug/L		01/12/21 11:47	01/14/21 01:05	1
gamma-Chlordane	ND		0.048	0.013	ug/L		01/12/21 11:47	01/14/21 01:05	1
gamma-BHC	ND		0.019	0.0067	ug/L		01/12/21 11:47	01/14/21 01:05	1
Heptachlor	ND		0.019	0.0072	ug/L		01/12/21 11:47	01/14/21 01:05	1
Heptachlor epoxide	ND		0.019	0.0076	ug/L		01/12/21 11:47	01/14/21 01:05	1
Methoxychlor	ND		0.048	0.019	ug/L		01/12/21 11:47	01/14/21 01:05	1
Toxaphene	ND		0.29	0.14	ug/L		01/12/21 11:47	01/14/21 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*105*		*20 - 139*	*01/12/21 11:47*	*01/14/21 01:05*	*1*
DCB Decachlorobiphenyl (Surr)	*139*		*20 - 154*	*01/12/21 11:47*	*01/14/21 01:05*	*1*

Client Sample ID: SB05-0-0.5
Date Collected: 01/08/21 12:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endosulfan sulfate	ND		5.0	0.41	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
gamma-Chlordane	**0.56**	**J p**	5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
gamma-BHC	ND		5.0	0.63	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 07:00	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB05-0-0.5
Date Collected: 01/08/21 12:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 07:00	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*81*		*38 - 148*	*01/12/21 10:29*	*01/14/21 07:00*	*1*
DCB Decachlorobiphenyl (Surr)	*123*		*37 - 151*	*01/12/21 10:29*	*01/14/21 07:00*	*1*

Client Sample ID: SB05-1.0-1.5
Date Collected: 01/08/21 12:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endrin aldehyde	**1.5**	**J**	5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
gamma-Chlordane	**0.30**	**J p**	5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 11:53	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*38 - 148*	*01/12/21 10:29*	*01/14/21 11:53*	*1*
DCB Decachlorobiphenyl (Surr)	*134*		*37 - 151*	*01/12/21 10:29*	*01/14/21 11:53*	*1*

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:22	01/13/21 13:36	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endosulfan sulfate	ND		5.0	0.41	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:22	01/13/21 13:36	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/13/21 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*86*		*38 - 148*	*01/12/21 10:22*	*01/13/21 13:36*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*37 - 151*	*01/12/21 10:22*	*01/13/21 13:36*	*1*

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
beta-BHC	ND		5.0	3.6	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Chlordane	ND		25	2.3	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endosulfan II	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endrin aldehyde	ND		5.0	0.72	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
gamma-Chlordane	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Methoxychlor	ND		5.0	0.80	ug/Kg		01/12/21 10:22	01/14/21 05:35	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/14/21 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*92*		*38 - 148*	*01/12/21 10:22*	*01/14/21 05:35*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*37 - 151*	*01/12/21 10:22*	*01/14/21 05:35*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
beta-BHC	ND		5.0	3.6	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Chlordane	ND		25	2.3	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endosulfan II	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endrin aldehyde	ND		5.0	0.72	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
gamma-Chlordane	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Methoxychlor	ND		5.0	0.80	ug/Kg		01/12/21 10:22	01/14/21 05:49	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/14/21 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*38 - 148*	*01/12/21 10:22*	*01/14/21 05:49*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*37 - 151*	*01/12/21 10:22*	*01/14/21 05:49*	*1*

Client Sample ID: SB04-0-0.5
Date Collected: 01/08/21 08:45
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	0.97	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
4,4'-DDE	ND		4.9	0.53	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
4,4'-DDT	ND		4.9	0.36	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Aldrin	ND		4.9	0.29	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
alpha-BHC	ND		4.9	3.0	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
alpha-Chlordane	ND		4.9	1.3	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
beta-BHC	ND		4.9	3.6	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Chlordane	ND		25	2.3	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
delta-BHC	ND		4.9	3.3	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Dieldrin	ND		4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endosulfan I	ND		4.9	0.43	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endosulfan II	ND		4.9	0.30	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endosulfan sulfate	ND		4.9	0.40	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endrin	ND		4.9	0.33	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endrin aldehyde	ND		4.9	0.72	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Endrin ketone	ND		4.9	0.47	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
gamma-Chlordane	ND		4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
gamma-BHC	ND		4.9	0.62	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Heptachlor	ND		4.9	0.87	ug/Kg		01/12/21 10:29	01/14/21 07:28	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB04-0-0.5
Date Collected: 01/08/21 08:45
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		4.9	0.66	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Methoxychlor	ND		4.9	0.80	ug/Kg		01/12/21 10:29	01/14/21 07:28	1
Toxaphene	ND		25	19	ug/Kg		01/12/21 10:29	01/14/21 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*38 - 148*	*01/12/21 10:29*	*01/14/21 07:28*	*1*
DCB Decachlorobiphenyl (Surr)	*132*		*37 - 151*	*01/12/21 10:29*	*01/14/21 07:28*	*1*

Client Sample ID: SB04-1-1.5
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endosulfan sulfate	ND		5.0	0.41	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
gamma-BHC	ND		5.0	0.63	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 07:42	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*38 - 148*	*01/12/21 10:29*	*01/14/21 07:42*	*1*
DCB Decachlorobiphenyl (Surr)	*126*		*37 - 151*	*01/12/21 10:29*	*01/14/21 07:42*	*1*

Client Sample ID: SB03-0-0.5
Date Collected: 01/08/21 09:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 07:57	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB03-0-0.5
Date Collected: 01/08/21 09:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 07:57	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*38 - 148*	*01/12/21 10:29*	*01/14/21 07:57*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*37 - 151*	*01/12/21 10:29*	*01/14/21 07:57*	*1*

Client Sample ID: SB03-1-1.5
Date Collected: 01/08/21 10:10
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-24
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endosulfan sulfate	ND		5.0	0.41	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
gamma-BHC	ND		5.0	0.63	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 08:11	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*81*		*38 - 148*	*01/12/21 10:29*	*01/14/21 08:11*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*37 - 151*	*01/12/21 10:29*	*01/14/21 08:11*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SB02-0-0.5
Date Collected: 01/08/21 10:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-26
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endosulfan sulfate	ND		5.0	0.41	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endrin	ND		5.0	0.34	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
gamma-BHC	ND		5.0	0.63	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 11:39	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*93*		*38 - 148*	*01/12/21 10:29*	*01/14/21 11:39*	*1*
DCB Decachlorobiphenyl (Surr)	*130*		*37 - 151*	*01/12/21 10:29*	*01/14/21 11:39*	*1*

Client Sample ID: SB06-0-0.5
Date Collected: 01/08/21 13:05
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-41
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Chlordane	**2.5**	**J**	25	2.4	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
gamma-Chlordane	**0.28**	**J p**	5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 12:21	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB06-0-0.5
Date Collected: 01/08/21 13:05
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-41
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 12:21	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*38 - 148*	*01/12/21 10:29*	*01/14/21 12:21*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*37 - 151*	*01/12/21 10:29*	*01/14/21 12:21*	*1*

Client Sample ID: SB06-1-1.5
Date Collected: 01/08/21 13:10
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-42
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
gamma-Chlordane	**0.77**	**J p**	5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 12:36	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*38 - 148*	*01/12/21 10:29*	*01/14/21 12:36*	*1*
DCB Decachlorobiphenyl (Surr)	*143*		*37 - 151*	*01/12/21 10:29*	*01/14/21 12:36*	*1*

Client Sample ID: SB07-0-0.5
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-44
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
4,4'-DDT	**0.48**	**J p**	5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 08:25	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: SB07-0-0.5
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-44
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
gamma-Chlordane	**0.35**	**J p**	5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 08:25	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*84*		*38 - 148*	*01/12/21 10:29*	*01/14/21 08:25*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*37 - 151*	*01/12/21 10:29*	*01/14/21 08:25*	*1*

Client Sample ID: SB07-1-1.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-45
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.98	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
4,4'-DDE	ND		5.0	0.53	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
beta-BHC	ND		5.0	3.6	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endosulfan I	ND		5.0	0.43	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endrin aldehyde	ND		5.0	0.72	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Endrin ketone	ND		5.0	0.47	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
gamma-Chlordane	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Heptachlor	ND		5.0	0.88	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Heptachlor epoxide	ND		5.0	0.66	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Methoxychlor	ND		5.0	0.80	ug/Kg		01/12/21 10:29	01/14/21 08:39	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*38 - 148*	*01/12/21 10:29*	*01/14/21 08:39*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*37 - 151*	*01/12/21 10:29*	*01/14/21 08:39*	*1*

Method: 8081A - Organochlorine Pesticides (GC) - RA

Client Sample ID: SB12-0-0.5
Date Collected: 01/08/21 08:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	0.98	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
4,4'-DDE	**3.4**	**J**	4.9	0.53	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
4,4'-DDT	ND		4.9	0.36	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Aldrin	ND		4.9	0.30	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
alpha-BHC	ND		4.9	3.0	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
alpha-Chlordane	ND		4.9	1.3	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
beta-BHC	ND		4.9	3.6	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Chlordane	**4.3**	**J**	25	2.3	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
delta-BHC	ND		4.9	3.3	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Dieldrin	**1.1**	**J**	4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endosulfan I	ND		4.9	0.43	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endosulfan II	ND		4.9	0.30	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endosulfan sulfate	ND		4.9	0.40	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endrin	ND		4.9	0.33	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endrin aldehyde	ND		4.9	0.72	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Endrin ketone	ND		4.9	0.47	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
gamma-Chlordane	**1.1**	**J p**	4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
gamma-BHC	ND		4.9	0.62	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Heptachlor	ND		4.9	0.88	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Heptachlor epoxide	ND		4.9	0.66	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Methoxychlor	ND		4.9	0.80	ug/Kg		01/12/21 10:29	01/14/21 13:06	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*88*		*38 - 148*	*01/12/21 10:29*	*01/14/21 13:06*	*1*
DCB Decachlorobiphenyl (Surr)	*124*		*37 - 151*	*01/12/21 10:29*	*01/14/21 13:06*	*1*

Client Sample ID: SB02-1-1.5
Date Collected: 01/08/21 10:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-27
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	0.97	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
4,4'-DDE	ND		4.9	0.53	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
4,4'-DDT	ND		4.9	0.35	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Aldrin	ND		4.9	0.29	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
alpha-BHC	ND		4.9	3.0	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
alpha-Chlordane	ND		4.9	1.3	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
beta-BHC	ND		4.9	3.6	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Chlordane	**4.9**	**J**	25	2.3	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
delta-BHC	ND		4.9	3.3	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Dieldrin	ND		4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endosulfan I	ND		4.9	0.43	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endosulfan II	ND		4.9	0.30	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endosulfan sulfate	ND		4.9	0.40	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endrin	ND		4.9	0.33	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endrin aldehyde	ND		4.9	0.72	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Endrin ketone	ND		4.9	0.47	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
gamma-Chlordane	**0.37**	**J p**	4.9	0.25	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
gamma-BHC	ND		4.9	0.61	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Heptachlor	ND		4.9	0.87	ug/Kg		01/12/21 10:29	01/14/21 12:51	1

Method: 8081A - Organochlorine Pesticides (GC) - RA (Continued)

Client Sample ID: SB02-1-1.5
Date Collected: 01/08/21 10:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-27
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		4.9	0.66	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Methoxychlor	ND		4.9	0.80	ug/Kg		01/12/21 10:29	01/14/21 12:51	1
Toxaphene	ND		25	19	ug/Kg		01/12/21 10:29	01/14/21 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*84*		*38 - 148*	*01/12/21 10:29*	*01/14/21 12:51*	*1*
DCB Decachlorobiphenyl (Surr)	*127*		*37 - 151*	*01/12/21 10:29*	*01/14/21 12:51*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1254	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1260	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1262	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 15:02	1
Aroclor-1268	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*102*		*25 - 126*	*01/12/21 10:22*	*01/13/21 15:02*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*20 - 155*	*01/12/21 10:22*	*01/13/21 15:02*	*1*

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49	39	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1221	ND		49	39	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1232	ND		49	39	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1242	ND		49	39	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1248	ND		49	39	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1254	ND		49	25	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1260	ND		49	25	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1262	ND		49	25	ug/Kg		01/12/21 10:22	01/13/21 20:30	1
Aroclor-1268	ND		49	25	ug/Kg		01/12/21 10:22	01/13/21 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*	*01/12/21 10:22*	*01/13/21 20:30*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*	*01/12/21 10:22*	*01/13/21 20:30*	*1*

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1254	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1260	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1262	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 20:48	1
Aroclor-1268	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 126*	*01/12/21 10:22*	*01/13/21 20:48*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*20 - 155*	*01/12/21 10:22*	*01/13/21 20:48*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.48	0.17	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1221	ND		0.48	0.17	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1232	ND		0.48	0.17	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1242	ND		0.48	0.17	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1248	ND		0.48	0.17	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1254	ND		0.48	0.29	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1260	ND		0.48	0.29	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1262	ND		0.48	0.29	ug/L		01/12/21 11:47	01/14/21 00:27	1
Aroclor-1268	ND		0.48	0.29	ug/L		01/12/21 11:47	01/14/21 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*109*		*20 - 139*	*01/12/21 11:47*	*01/14/21 00:27*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*20 - 154*	*01/12/21 11:47*	*01/14/21 00:27*	*1*

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1254	ND		50	26	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1260	ND		50	26	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1262	ND		50	26	ug/Kg		01/12/21 10:22	01/13/21 21:10	1
Aroclor-1268	ND		50	26	ug/Kg		01/12/21 10:22	01/13/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 126*	*01/12/21 10:22*	*01/13/21 21:10*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 155*	*01/12/21 10:22*	*01/13/21 21:10*	*1*

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1254	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1260	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1262	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:28	1
Aroclor-1268	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 126*	*01/12/21 10:22*	*01/13/21 21:28*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*	*01/12/21 10:22*	*01/13/21 21:28*	*1*

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1254	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1260	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1262	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:45	1
Aroclor-1268	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*94*		*25 - 126*	*01/12/21 10:22*	*01/13/21 21:45*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 155*	*01/12/21 10:22*	*01/13/21 21:45*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: SB08-0-0.5
Date Collected: 01/08/21 08:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.00**	**J**	4.93	0.953	mg/Kg		01/21/21 20:00	01/22/21 15:08	1

Client Sample ID: SB08-1.0-1.5
Date Collected: 01/08/21 08:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.05**	**J**	5.18	1.00	mg/Kg		01/21/21 20:00	01/22/21 15:17	1

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		3.16	1.43	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Arsenic	ND		2.63	2.38	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Barium	**53.9**	**F1**	0.526	0.233	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Beryllium	ND		0.263	0.180	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Cadmium	ND		0.526	0.212	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Chromium	**1.34**		1.05	0.185	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Cobalt	**1.75**		1.05	0.239	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Copper	**0.585**	**J**	1.05	0.534	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Lead	ND		5.26	1.02	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Molybdenum	ND		0.526	0.474	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Nickel	**0.529**		0.526	0.452	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Selenium	ND		5.26	1.95	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Silver	ND		1.05	0.237	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Thallium	ND		5.26	1.56	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Vanadium	**7.46**		1.05	0.181	mg/Kg		01/21/21 19:00	01/22/21 19:50	1
Zinc	**9.10**	**J**	10.5	5.38	mg/Kg		01/21/21 19:00	01/22/21 19:50	1

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.96	1.34	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Arsenic	**3.55**		2.46	2.23	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Barium	**101**		0.493	0.218	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Beryllium	**0.327**		0.246	0.168	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Cadmium	ND		0.493	0.199	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Chromium	**5.59**		0.985	0.173	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Cobalt	**3.37**		0.985	0.224	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Copper	**2.41**		0.985	0.500	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Lead	ND		4.93	0.953	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Molybdenum	**1.08**		0.493	0.444	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Nickel	**1.99**		0.493	0.423	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Selenium	ND		4.93	1.82	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Silver	ND		0.985	0.222	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Thallium	ND		4.93	1.46	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Vanadium	**29.7**		0.985	0.169	mg/Kg		01/21/21 19:00	01/22/21 19:56	1
Zinc	**14.9**		9.85	5.04	mg/Kg		01/21/21 19:00	01/22/21 19:56	1

Method: 6010B - Metals (ICP)

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		3.14	1.42	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Arsenic	ND		2.62	2.37	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Barium	**96.3**		0.524	0.232	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Beryllium	ND		0.262	0.179	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Cadmium	**0.236**	**J**	0.524	0.211	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Chromium	**2.50**		1.05	0.184	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Cobalt	**3.92**		1.05	0.238	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Copper	**0.883**	**J**	1.05	0.531	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Lead	ND		5.24	1.01	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Molybdenum	**0.599**		0.524	0.472	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Nickel	**1.62**		0.524	0.450	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Selenium	ND		5.24	1.94	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Silver	ND		1.05	0.236	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Thallium	ND		5.24	1.55	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Vanadium	**18.3**		1.05	0.180	mg/Kg		01/21/21 19:00	01/22/21 19:58	1
Zinc	**31.1**		10.5	5.36	mg/Kg		01/21/21 19:00	01/22/21 19:58	1

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0329	mg/L		01/22/21 14:40	01/25/21 15:05	1
Arsenic	ND		0.100	0.0181	mg/L		01/22/21 14:40	01/25/21 15:05	1
Barium	ND		0.0100	0.00308	mg/L		01/22/21 14:40	01/25/21 15:05	1
Beryllium	ND		0.0100	0.00252	mg/L		01/22/21 14:40	01/25/21 15:05	1
Cadmium	ND		0.0100	0.00210	mg/L		01/22/21 14:40	01/25/21 15:05	1
Chromium	ND		0.0500	0.00688	mg/L		01/22/21 14:40	01/26/21 12:19	1
Cobalt	ND		0.0500	0.00362	mg/L		01/22/21 14:40	01/25/21 15:05	1
Copper	ND		0.0500	0.00614	mg/L		01/22/21 14:40	01/25/21 15:05	1
Lead	ND		0.0500	0.00821	mg/L		01/22/21 14:40	01/25/21 15:05	1
Molybdenum	ND		0.0500	0.00509	mg/L		01/22/21 14:40	01/25/21 15:05	1
Nickel	ND		0.0500	0.00784	mg/L		01/22/21 14:40	01/25/21 15:05	1
Selenium	ND		0.100	0.0244	mg/L		01/22/21 14:40	01/25/21 15:05	1
Silver	ND		0.0100	0.00298	mg/L		01/22/21 14:40	01/25/21 15:05	1
Thallium	ND		0.0500	0.0161	mg/L		01/22/21 14:40	01/25/21 15:05	1
Vanadium	ND		0.0100	0.00297	mg/L		01/22/21 14:40	01/25/21 15:05	1
Zinc	ND		0.250	0.0682	mg/L		01/22/21 14:40	01/25/21 15:05	1

Client Sample ID: SB05-0-0.5
Date Collected: 01/08/21 12:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**13.5**		5.03	0.972	mg/Kg		01/21/21 20:00	01/22/21 15:20	1

Client Sample ID: SB05-1.0-1.5
Date Collected: 01/08/21 12:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**16.8**		5.00	0.967	mg/Kg		01/21/21 20:00	01/22/21 15:23	1

Method: 6010B - Metals (ICP)

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.99	1.35	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Arsenic	**3.06**		2.49	2.25	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Barium	**110**		0.498	0.221	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Beryllium	**0.383**		0.249	0.170	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Cadmium	**0.395**	**J**	0.498	0.201	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Chromium	**8.11**		0.995	0.175	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Cobalt	**5.69**		0.995	0.226	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Copper	**3.96**		0.995	0.505	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Lead	ND		4.98	0.962	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Molybdenum	**1.09**		0.498	0.448	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Nickel	**2.79**		0.498	0.427	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Selenium	ND		4.98	1.84	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Silver	ND		0.995	0.224	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Thallium	ND		4.98	1.47	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Vanadium	**36.7**		0.995	0.171	mg/Kg		01/21/21 19:00	01/22/21 20:00	1
Zinc	**21.1**		9.95	5.09	mg/Kg		01/21/21 19:00	01/22/21 20:00	1

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		3.03	1.37	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Arsenic	ND		2.53	2.29	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Barium	**91.1**		0.505	0.224	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Beryllium	**0.309**		0.253	0.173	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Cadmium	**0.295**	**J**	0.505	0.204	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Chromium	**6.45**		1.01	0.178	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Cobalt	**4.50**		1.01	0.230	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Copper	**3.15**		1.01	0.512	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Lead	**2.15**	**J**	5.05	0.977	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Molybdenum	**0.937**		0.505	0.455	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Nickel	**2.35**		0.505	0.434	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Selenium	ND		5.05	1.87	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Silver	ND		1.01	0.227	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Thallium	ND		5.05	1.50	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Vanadium	**28.8**		1.01	0.173	mg/Kg		01/21/21 19:00	01/22/21 20:02	1
Zinc	**16.3**		10.1	5.17	mg/Kg		01/21/21 19:00	01/22/21 20:02	1

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.90	1.31	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Arsenic	**2.58**		2.42	2.19	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Barium	**55.1**		0.483	0.214	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Beryllium	**0.243**		0.242	0.165	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Cadmium	**0.252**	**J**	0.483	0.195	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Chromium	**4.42**		0.966	0.170	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Cobalt	**3.82**		0.966	0.220	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Copper	**3.28**		0.966	0.490	mg/Kg		01/21/21 19:00	01/22/21 20:04	1

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

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.13	J	4.83	0.934	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Molybdenum	0.869		0.483	0.435	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Nickel	1.59		0.483	0.415	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Selenium	ND		4.83	1.79	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Silver	ND		0.966	0.218	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Thallium	ND		4.83	1.43	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Vanadium	28.5		0.966	0.166	mg/Kg		01/21/21 19:00	01/22/21 20:04	1
Zinc	12.3		9.66	4.94	mg/Kg		01/21/21 19:00	01/22/21 20:04	1

Client Sample ID: SB04-0-0.5
Date Collected: 01/08/21 08:45
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.08	J	4.90	0.948	mg/Kg		01/21/21 20:00	01/22/21 15:26	1

Client Sample ID: SB04-1-1.5
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.20		4.95	0.957	mg/Kg		01/21/21 20:00	01/22/21 15:29	1

Client Sample ID: SB03-0-0.5
Date Collected: 01/08/21 09:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.24		5.00	0.967	mg/Kg		01/21/21 20:00	01/22/21 15:32	1

Client Sample ID: SB03-1-1.5
Date Collected: 01/08/21 10:10
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-24
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.08	J	4.85	0.939	mg/Kg		01/21/21 20:00	01/22/21 15:43	1

Client Sample ID: SB02-0-0.5
Date Collected: 01/08/21 10:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-26
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.14	J	4.98	0.962	mg/Kg		01/21/21 20:00	01/22/21 15:46	1

Client Sample ID: SB02-1-1.5
Date Collected: 01/08/21 10:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-27
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10.8		4.85	0.939	mg/Kg		01/21/21 20:00	01/22/21 15:49	1

Client Sample ID: SB09-0-0.5
Date Collected: 01/08/21 13:55
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-28
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.40	J	5.13	0.992	mg/Kg		01/21/21 20:00	01/22/21 15:52	1

Method: 6010B - Metals (ICP)

Client Sample ID: SB09-1-1.5
Date Collected: 01/08/21 14:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-29
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.29	J	5.15	0.997	mg/Kg		01/21/21 20:00	01/22/21 15:56	1

Client Sample ID: SB11-0-0.5
Date Collected: 01/08/21 14:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-31
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.17	J	4.98	0.962	mg/Kg		01/21/21 20:00	01/22/21 15:59	1

Client Sample ID: SB11-1-1.5
Date Collected: 01/08/21 14:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-32
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		5.08	0.982	mg/Kg		01/21/21 20:00	01/22/21 16:02	1

Client Sample ID: SB10-0-0.5
Date Collected: 01/08/21 14:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-34
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.56	J	4.95	0.957	mg/Kg		01/21/21 20:00	01/22/21 16:06	1

Client Sample ID: SB10-1-1.5
Date Collected: 01/08/21 14:55
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-35
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.04		4.93	0.953	mg/Kg		01/21/21 20:00	01/22/21 16:09	1

Client Sample ID: SB01-0-0.5
Date Collected: 01/08/21 11:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-38
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.34		5.08	0.982	mg/Kg		01/21/21 20:00	01/22/21 16:12	1

Client Sample ID: SB01-1-1.5
Date Collected: 01/08/21 11:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-39
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.66	J	5.08	0.982	mg/Kg		01/21/21 20:00	01/22/21 16:21	1

Client Sample ID: SB06-0-0.5
Date Collected: 01/08/21 13:05
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-41
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.81		4.81	0.930	mg/Kg		01/21/21 20:00	01/22/21 16:24	1

Client Sample ID: SB06-1-1.5
Date Collected: 01/08/21 13:10
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-42
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16.1		5.00	0.967	mg/Kg		01/21/21 20:00	01/22/21 16:44	1

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 6010B - Metals (ICP)

Client Sample ID: SB07-0-0.5
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-44
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14.7		5.00	0.967	mg/Kg		01/21/21 20:50	01/22/21 20:05	1

Client Sample ID: SB07-1-1.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-45
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29.6		5.18	1.00	mg/Kg		01/21/21 20:50	01/22/21 20:07	1

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: EB-010821
Date Collected: 01/08/21 12:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		01/20/21 21:25	01/22/21 15:31	1

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SB08-4.5-5.0
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877	0.0142	mg/Kg		01/21/21 19:00	01/25/21 11:43	1

Client Sample ID: SB08-9.5-10.0
Date Collected: 01/08/21 10:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0196**	**J**	0.0862	0.0140	mg/Kg		01/21/21 19:00	01/25/21 11:49	1

Client Sample ID: SB08-18.0-18.5
Date Collected: 01/08/21 10:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820	0.0133	mg/Kg		01/21/21 19:00	01/25/21 11:51	1

Client Sample ID: SB05-5.0-5.5
Date Collected: 01/08/21 13:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877	0.0142	mg/Kg		01/21/21 19:00	01/25/21 11:56	1

Client Sample ID: SB05-9.5-10.0
Date Collected: 01/08/21 13:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862	0.0140	mg/Kg		01/21/21 19:00	01/25/21 11:58	1

Client Sample ID: SB05-14.0-14.5
Date Collected: 01/08/21 13:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0131**	**J**	0.0794	0.0129	mg/Kg		01/21/21 19:00	01/25/21 12:00	1

Surrogate Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-48097-4	SB08-4.5-5.0	91	97	95	99
570-48097-5	SB08-9.5-10.0	91	97	94	99
570-48097-6	SB08-18.0-18.5	92	98	93	99
570-48097-13	SB05-5.0-5.5	92	97	94	99
570-48097-14	SB05-9.5-10.0	92	95	96	99
570-48097-15	SB05-14.0-14.5	90	95	95	99
570-48107-B-1-C MS	Matrix Spike	94	100	98	98
570-48107-B-1-D MSD	Matrix Spike Duplicate	95	99	98	99
LCS 570-121635/1-A	Lab Control Sample	94	99	99	99
LCSD 570-121635/2-A	Lab Control Sample Dup	96	100	99	98
MB 570-121635/3-A	Method Blank	93	96	97	97

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-48097-8	SB08-GW	106	93	94	100
570-48097-9	EB-010821	108	100	98	101
570-48097-16	SB05-GW	104	92	94	99
570-48097-17	TB-010821	102	94	97	98
LCS 570-122268/4	Lab Control Sample	91	101	92	97
LCSD 570-122268/5	Lab Control Sample Dup	91	101	92	96
MB 570-122268/9	Method Blank	103	94	100	99

Surrogate Legend

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

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(26-122)	(27-159)
570-48097-4	SB08-4.5-5.0	91	64	86	68	93	79
570-48097-5	SB08-9.5-10.0	86	62	80	65	86	75
570-48097-6	SB08-18.0-18.5	83	60	79	64	85	75
570-48097-6 MS	SB08-18.0-18.5	89	61	82	65	88	75
570-48097-6 MSD	SB08-18.0-18.5	86	61	86	65	89	77
570-48097-13	SB05-5.0-5.5	77	58	75	61	78	69
570-48097-14	SB05-9.5-10.0	93	66	81	68	89	77

Surrogate Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(26-122)	(27-159)
570-48097-15	SB05-14.0-14.5	80	56	72	59	79	64
LCS 570-121672/2-A	Lab Control Sample	114	72	105	81	110	81
LCSD 570-121672/3-A	Lab Control Sample Dup	114	74	110	85	117	89
MB 570-121672/1-A	Method Blank	108	77	103	80	106	88

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(32-143)	(45-120)	(15-138)	(56-123)	(17-141)	(46-133)
570-48097-9	EB-010821	114	92	61	93	41	120
570-48291-M-5-A MS	Matrix Spike	109	76	66	83	45	86
570-48291-M-5-B MSD	Matrix Spike Duplicate	97	62	47	68	35	78
LCS 570-122222/2-A	Lab Control Sample	109	72	67	82	45	86
LCSD 570-122222/3-A	Lab Control Sample Dup	108	71	66	83	43	86
MB 570-122222/1-A	Method Blank	107	69	53	76	38	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-48097-4	SB08-4.5-5.0	66
570-48097-5	SB08-9.5-10.0	65
570-48097-6	SB08-18.0-18.5	64
570-48097-13	SB05-5.0-5.5	65
570-48097-14	SB05-9.5-10.0	64
570-48097-15	SB05-14.0-14.5	63
570-48336-B-1-E MS	Matrix Spike	88
570-48336-B-1-F MSD	Matrix Spike Duplicate	92
LCS 570-122237/2-A	Lab Control Sample	98
LCSD 570-122237/3-A	Lab Control Sample Dup	88
MB 570-122237/1-A	Method Blank	71

Surrogate Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**BFB1 (38-134)**
570-48097-8	SB08-GW	47
570-48097-9	EB-010821	48
570-48097-16	SB05-GW	54
570-48154-D-5 MS	Matrix Spike	79
570-48154-D-5 MSD	Matrix Spike Duplicate	83
LCS 570-122181/3	Lab Control Sample	83
LCSD 570-122181/4	Lab Control Sample Dup	78
MB 570-122181/5	Method Blank	56

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (61-145)**
570-48097-4	SB08-4.5-5.0	126
570-48097-5	SB08-9.5-10.0	109
570-48097-6	SB08-18.0-18.5	109
570-48097-13 - RA	SB05-5.0-5.5	114
570-48097-14	SB05-9.5-10.0	124
570-48097-15	SB05-14.0-14.5	116
570-48367-A-10-B MS	Matrix Spike	124
570-48367-A-10-C MSD	Matrix Spike Duplicate	124
LCS 570-122737/2-A	Lab Control Sample	124
LCSD 570-122737/3-A	Lab Control Sample Dup	116
MB 570-122737/1-A	Method Blank	128

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (68-140)**
570-48097-8	SB08-GW	87
570-48097-9	EB-010821	91
570-48097-16	SB05-GW	97
LCS 570-121942/2-A	Lab Control Sample	85
LCSD 570-121942/3-A	Lab Control Sample Dup	85
MB 570-121942/1-A	Method Blank	94

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(38-148)	(37-151)
570-48097-1	SB08-0-0.5	84	126
570-48097-2	SB08-1.0-1.5	103	140
570-48097-2 MS	SB08-1.0-1.5	98	130
570-48097-2 MSD	SB08-1.0-1.5	99	132
570-48097-4	SB08-4.5-5.0	100	125
570-48097-4 MS	SB08-4.5-5.0	92	115
570-48097-4 MSD	SB08-4.5-5.0	94	112
570-48097-5	SB08-9.5-10.0	86	102
570-48097-6	SB08-18.0-18.5	89	123
570-48097-10	SB05-0-0.5	81	123
570-48097-11	SB05-1.0-1.5	90	134
570-48097-13	SB05-5.0-5.5	86	99
570-48097-14	SB05-9.5-10.0	92	116
570-48097-15	SB05-14.0-14.5	91	116
570-48097-18 - RA	SB12-0-0.5	88	124
570-48097-20	SB04-0-0.5	87	132
570-48097-21	SB04-1-1.5	91	126
570-48097-23	SB03-0-0.5	72	95
570-48097-24	SB03-1-1.5	81	105
570-48097-26	SB02-0-0.5	93	130
570-48097-27 - RA	SB02-1-1.5	84	127
570-48097-41	SB06-0-0.5	72	96
570-48097-42	SB06-1-1.5	100	143
570-48097-44	SB07-0-0.5	84	112
570-48097-45	SB07-1-1.5	79	110
LCS 570-121671/2-A	Lab Control Sample	95	119
LCS 570-121673/2-A	Lab Control Sample	95	129
LCSD 570-121671/3-A	Lab Control Sample Dup	99	129
LCSD 570-121673/3-A	Lab Control Sample Dup	95	128
MB 570-121671/1-A	Method Blank	93	114
MB 570-121673/1-A	Method Blank	90	122

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(20-139)	(20-154)
570-48097-9	EB-010821	105	139
LCS 570-121686/2-A	Lab Control Sample	115	128
LCSD 570-121686/3-A	Lab Control Sample Dup	105	115
MB 570-121686/1-A	Method Blank	115	129

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TCX1 (25-126)	DCB1 (20-155)								
570-48097-4	SB08-4.5-5.0	102	103								
570-48097-4 MS	SB08-4.5-5.0	102	100								
570-48097-4 MSD	SB08-4.5-5.0	101	99								
570-48097-5	SB08-9.5-10.0	87	76								
570-48097-6	SB08-18.0-18.5	93	90								
570-48097-13	SB05-5.0-5.5	92	88								
570-48097-14	SB05-9.5-10.0	96	92								
570-48097-15	SB05-14.0-14.5	94	91								
LCS 570-121671/4-A	Lab Control Sample	99	97								
LCSD 570-121671/5-A	Lab Control Sample Dup	103	101								
MB 570-121671/1-A	Method Blank	97	94								

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TCX1 (20-139)	DCB1 (20-154)								
570-48097-9	EB-010821	109	112								
LCS 570-121686/4-A	Lab Control Sample	120	109								
LCSD 570-121686/5-A	Lab Control Sample Dup	110	101								
MB 570-121686/1-A	Method Blank	111	99								

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

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

Lab Sample ID: MB 570-121635/3-A
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.29	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.46	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.46	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1-Dichloroethane	ND		1.0	0.28	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1-Dichloroethene	ND		1.0	0.27	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,1-Dichloropropene	ND		2.0	0.39	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2,3-Trichlorobenzene	ND		2.0	1.0	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2,3-Trichloropropane	ND		2.0	0.42	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2,4-Trichlorobenzene	ND		2.0	0.41	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2,4-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2-Dibromo-3-Chloropropane	ND		10	6.8	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2-Dibromoethane	ND		1.0	0.21	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.25	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2-Dichloroethane	ND		1.0	0.28	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,2-Dichloropropane	ND		1.0	0.28	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,3,5-Trimethylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.25	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,3-Dichloropropane	ND		1.0	0.30	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.31	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
2,2-Dichloropropane	ND		5.0	0.27	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
2-Butanone	ND		20	4.5	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
2-Chlorotoluene	ND		1.0	0.25	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
2-Hexanone	ND		20	3.1	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
4-Chlorotoluene	ND		1.0	0.24	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
4-Methyl-2-pentanone	ND		20	2.9	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Acetone	ND		20	9.8	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Benzene	ND		1.0	0.26	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Bromobenzene	ND		1.0	0.21	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Bromochloromethane	ND		2.0	0.44	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Bromodichloromethane	ND		1.0	0.16	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Bromoform	ND		5.0	1.3	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Bromomethane	ND		20	6.6	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Carbon disulfide	ND		10	0.40	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Carbon tetrachloride	ND		1.0	0.30	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Chlorobenzene	ND		1.0	0.27	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Chloroethane	ND		2.0	1.5	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Chloroform	ND		1.0	0.59	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.34	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Chloromethane	ND		20	1.5	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.35	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Dibromochloromethane	ND		2.0	0.27	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Dibromomethane	ND		1.0	0.31	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Dichlorodifluoromethane	ND		2.0	0.45	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Ethylbenzene	ND		1.0	0.21	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Isopropylbenzene	ND		1.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Methylene Chloride	ND		10	3.1	ug/Kg		01/12/21 09:05	01/12/21 12:08	1

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

Lab Sample ID: MB 570-121635/3-A
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.19	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Naphthalene	ND		10	5.2	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
n-Butylbenzene	ND		1.0	0.21	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
N-Propylbenzene	ND		2.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
m,p-Xylene	ND		2.0	0.47	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
o-Xylene	ND		1.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
p-Isopropyltoluene	ND		1.0	0.70	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
sec-Butylbenzene	ND		1.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Styrene	ND		1.0	0.70	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
tert-Butylbenzene	ND		1.0	0.25	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Tetrachloroethene	ND		1.0	0.22	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Toluene	ND		1.0	0.60	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
trans-1,3-Dichloropropene	ND		2.0	0.28	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Trichloroethene	ND		2.0	0.39	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Trichlorofluoromethane	ND		10	0.27	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Vinyl acetate	ND		10	3.9	ug/Kg		01/12/21 09:05	01/12/21 12:08	1
Vinyl chloride	ND		1.0	0.38	ug/Kg		01/12/21 09:05	01/12/21 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*71 - 155*	*01/12/21 09:05*	*01/12/21 12:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*	*01/12/21 09:05*	*01/12/21 12:08*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 133*	*01/12/21 09:05*	*01/12/21 12:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*01/12/21 09:05*	*01/12/21 12:08*	*1*

Lab Sample ID: LCS 570-121635/1-A
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	45.04		ug/Kg		90	74 - 122
1,2-Dibromoethane	50.0	49.10		ug/Kg		98	70 - 130
1,2-Dichlorobenzene	50.0	49.53		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	45.36		ug/Kg		91	70 - 130
Benzene	50.0	43.66		ug/Kg		87	78 - 120
Carbon tetrachloride	50.0	45.08		ug/Kg		90	49 - 139
Chlorobenzene	50.0	48.30		ug/Kg		97	79 - 120
Ethylbenzene	50.0	47.08		ug/Kg		94	76 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	43.35		ug/Kg		87	70 - 124
m,p-Xylene	100	92.91		ug/Kg		93	70 - 130
o-Xylene	50.0	47.46		ug/Kg		95	70 - 130
Toluene	50.0	45.62		ug/Kg		91	77 - 120
Trichloroethene	50.0	46.05		ug/Kg		92	70 - 130
Vinyl chloride	50.0	47.63		ug/Kg		95	68 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

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

Lab Sample ID: LCS 570-121635/1-A
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121635

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*99*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-121635/2-A
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121635

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	47.10		ug/Kg		94	74 - 122	4	20
1,2-Dibromoethane			50.0	50.30		ug/Kg		101	70 - 130	2	20
1,2-Dichlorobenzene			50.0	50.38		ug/Kg		101	75 - 120	2	20
1,2-Dichloroethane			50.0	47.87		ug/Kg		96	70 - 130	5	20
Benzene			50.0	45.14		ug/Kg		90	78 - 120	3	20
Carbon tetrachloride			50.0	47.84		ug/Kg		96	49 - 139	6	20
Chlorobenzene			50.0	49.57		ug/Kg		99	79 - 120	3	20
Ethylbenzene			50.0	48.81		ug/Kg		98	76 - 120	4	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.32		ug/Kg		91	70 - 124	4	20
m,p-Xylene			100	95.34		ug/Kg		95	70 - 130	3	20
o-Xylene			50.0	48.51		ug/Kg		97	70 - 130	2	20
Toluene			50.0	46.61		ug/Kg		93	77 - 120	2	20
Trichloroethene			50.0	48.20		ug/Kg		96	70 - 130	5	20
Vinyl chloride			50.0	46.46		ug/Kg		93	68 - 122	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 570-48107-B-1-C MS
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 121635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		49.5	48.83		ug/Kg		99	47 - 143
1,2-Dibromoethane	ND		49.5	46.85		ug/Kg		95	64 - 124
1,2-Dichlorobenzene	ND		49.5	48.88		ug/Kg		99	35 - 131
1,2-Dichloroethane	ND		49.5	44.46		ug/Kg		90	70 - 130
Benzene	ND		49.5	45.46		ug/Kg		92	61 - 127
Carbon tetrachloride	ND		49.5	48.38		ug/Kg		98	51 - 135
Chlorobenzene	ND		49.5	49.93		ug/Kg		101	57 - 123
Ethylbenzene	ND		49.5	49.57		ug/Kg		100	57 - 129
Methyl-t-Butyl Ether (MTBE)	ND		49.5	43.40		ug/Kg		88	57 - 123
m,p-Xylene	ND		99.0	96.89		ug/Kg		98	70 - 130
o-Xylene	ND		49.5	49.22		ug/Kg		99	70 - 130
Toluene	ND		49.5	47.48		ug/Kg		96	63 - 123
Trichloroethene	ND		49.5	50.90		ug/Kg		103	44 - 158
Vinyl chloride	ND		49.5	44.92		ug/Kg		91	49 - 139

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

Lab Sample ID: 570-48107-B-1-C MS
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 121635

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 570-48107-B-1-D MSD
Matrix: Solid
Analysis Batch: 121620

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 121635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		50.1	45.38		ug/Kg		91	47 - 143	7	25
1,2-Dibromoethane	ND		50.1	46.66		ug/Kg		93	64 - 124	0	20
1,2-Dichlorobenzene	ND		50.1	47.65		ug/Kg		95	35 - 131	3	25
1,2-Dichloroethane	ND		50.1	45.18		ug/Kg		90	70 - 130	2	20
Benzene	ND		50.1	45.28		ug/Kg		90	61 - 127	0	20
Carbon tetrachloride	ND		50.1	47.27		ug/Kg		94	51 - 135	2	29
Chlorobenzene	ND		50.1	48.77		ug/Kg		97	57 - 123	2	20
Ethylbenzene	ND		50.1	48.89		ug/Kg		98	57 - 129	1	22
Methyl-t-Butyl Ether (MTBE)	ND		50.1	42.95		ug/Kg		86	57 - 123	1	21
m,p-Xylene	ND		100	95.21		ug/Kg		95	70 - 130	2	20
o-Xylene	ND		50.1	48.66		ug/Kg		97	70 - 130	1	20
Toluene	ND		50.1	47.33		ug/Kg		94	63 - 123	0	20
Trichloroethene	ND		50.1	50.35		ug/Kg		100	44 - 158	1	20
Vinyl chloride	ND		50.1	42.15		ug/Kg		84	49 - 139	6	47

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*95*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 570-122268/9
Matrix: Water
Analysis Batch: 122268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.33	ug/L			01/14/21 17:07	1
1,1,1-Trichloroethane	ND		1.0	0.32	ug/L			01/14/21 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			01/14/21 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.58	ug/L			01/14/21 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			01/14/21 17:07	1
1,1-Dichloroethane	ND		1.0	0.37	ug/L			01/14/21 17:07	1
1,1-Dichloroethene	ND		1.0	0.33	ug/L			01/14/21 17:07	1
1,1-Dichloropropene	ND		1.0	0.45	ug/L			01/14/21 17:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.43	ug/L			01/14/21 17:07	1
1,2,3-Trichloropropane	ND		5.0	0.27	ug/L			01/14/21 17:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.36	ug/L			01/14/21 17:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 17:07	1

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

Lab Sample ID: MB 570-122268/9
Matrix: Water
Analysis Batch: 122268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/14/21 17:07	1
1,2-Dibromoethane	ND		1.0	0.38	ug/L			01/14/21 17:07	1
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/14/21 17:07	1
1,2-Dichloroethane	ND		0.50	0.22	ug/L			01/14/21 17:07	1
1,2-Dichloropropane	ND		1.0	0.39	ug/L			01/14/21 17:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.34	ug/L			01/14/21 17:07	1
1,3-Dichlorobenzene	ND		1.0	0.26	ug/L			01/14/21 17:07	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			01/14/21 17:07	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L			01/14/21 17:07	1
2,2-Dichloropropane	ND		1.0	0.55	ug/L			01/14/21 17:07	1
2-Butanone	ND		20	3.6	ug/L			01/14/21 17:07	1
2-Chlorotoluene	ND		1.0	0.27	ug/L			01/14/21 17:07	1
2-Hexanone	ND		10	3.1	ug/L			01/14/21 17:07	1
4-Chlorotoluene	ND		1.0	0.32	ug/L			01/14/21 17:07	1
4-Methyl-2-pentanone	ND		10	2.9	ug/L			01/14/21 17:07	1
Acetone	ND		20	10	ug/L			01/14/21 17:07	1
Benzene	ND		0.50	0.20	ug/L			01/14/21 17:07	1
Bromobenzene	ND		1.0	0.30	ug/L			01/14/21 17:07	1
Bromochloromethane	ND		2.0	0.30	ug/L			01/14/21 17:07	1
Bromodichloromethane	ND		1.0	0.28	ug/L			01/14/21 17:07	1
Bromoform	ND		5.0	1.5	ug/L			01/14/21 17:07	1
Bromomethane	ND		25	15	ug/L			01/14/21 17:07	1
Carbon disulfide	ND		10	0.40	ug/L			01/14/21 17:07	1
Carbon tetrachloride	ND		0.50	0.34	ug/L			01/14/21 17:07	1
Chlorobenzene	ND		1.0	0.21	ug/L			01/14/21 17:07	1
Chloroethane	ND		5.0	2.4	ug/L			01/14/21 17:07	1
Chloroform	ND		1.0	0.50	ug/L			01/14/21 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.51	ug/L			01/14/21 17:07	1
Chloromethane	ND		10	2.3	ug/L			01/14/21 17:07	1
cis-1,3-Dichloropropene	ND		0.50	0.23	ug/L			01/14/21 17:07	1
Dibromochloromethane	ND		2.0	0.34	ug/L			01/14/21 17:07	1
Dibromomethane	ND		1.0	0.38	ug/L			01/14/21 17:07	1
Dichlorodifluoromethane	ND		5.0	0.56	ug/L			01/14/21 17:07	1
Ethylbenzene	ND		1.0	0.33	ug/L			01/14/21 17:07	1
Isopropylbenzene	ND		1.0	0.37	ug/L			01/14/21 17:07	1
Methylene Chloride	ND		10	4.0	ug/L			01/14/21 17:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.34	ug/L			01/14/21 17:07	1
Naphthalene	ND		10	5.0	ug/L			01/14/21 17:07	1
n-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 17:07	1
N-Propylbenzene	ND		1.0	0.41	ug/L			01/14/21 17:07	1
m,p-Xylene	ND		2.0	0.48	ug/L			01/14/21 17:07	1
o-Xylene	ND		1.0	0.26	ug/L			01/14/21 17:07	1
p-Isopropyltoluene	ND		1.0	0.38	ug/L			01/14/21 17:07	1
sec-Butylbenzene	ND		1.0	0.29	ug/L			01/14/21 17:07	1
Styrene	ND		1.0	0.38	ug/L			01/14/21 17:07	1
tert-Butylbenzene	ND		1.0	0.36	ug/L			01/14/21 17:07	1
Tetrachloroethene	ND		1.0	0.35	ug/L			01/14/21 17:07	1
Toluene	ND		1.0	0.34	ug/L			01/14/21 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/14/21 17:07	1

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

Lab Sample ID: MB 570-122268/9
Matrix: Water
Analysis Batch: 122268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.50	0.30	ug/L			01/14/21 17:07	1
Trichloroethene	ND		1.0	0.35	ug/L			01/14/21 17:07	1
Trichlorofluoromethane	ND		10	0.36	ug/L			01/14/21 17:07	1
Vinyl acetate	ND		10	4.6	ug/L			01/14/21 17:07	1
Vinyl chloride	ND		0.50	0.26	ug/L			01/14/21 17:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*01/14/21 17:07*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*01/14/21 17:07*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 128*		*01/14/21 17:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/14/21 17:07*	*1*

Lab Sample ID: LCS 570-122268/4
Matrix: Water
Analysis Batch: 122268

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	44.11		ug/L		88	64 - 136
1,2-Dibromoethane	50.0	50.74		ug/L		101	80 - 120
1,2-Dichlorobenzene	50.0	51.24		ug/L		102	80 - 120
1,2-Dichloroethane	50.0	46.25		ug/L		93	75 - 123
Benzene	50.0	45.80		ug/L		92	78 - 120
Carbon tetrachloride	50.0	48.92		ug/L		98	67 - 139
Chlorobenzene	50.0	50.07		ug/L		100	80 - 120
Ethylbenzene	50.0	51.60		ug/L		103	80 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	43.32		ug/L		87	77 - 120
m,p-Xylene	100	108.4		ug/L		108	80 - 125
o-Xylene	50.0	52.19		ug/L		104	80 - 125
Toluene	50.0	47.11		ug/L		94	80 - 122
Trichloroethene	50.0	48.75		ug/L		97	77 - 125
Vinyl chloride	50.0	48.25		ug/L		96	63 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 570-122268/5
Matrix: Water
Analysis Batch: 122268

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	42.86		ug/L		86	64 - 136	3	30
1,2-Dibromoethane	50.0	50.61		ug/L		101	80 - 120	0	30
1,2-Dichlorobenzene	50.0	50.18		ug/L		100	80 - 120	2	20
1,2-Dichloroethane	50.0	46.04		ug/L		92	75 - 123	0	24
Benzene	50.0	44.89		ug/L		90	78 - 120	2	21

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

Lab Sample ID: LCSD 570-122268/5
Matrix: Water
Analysis Batch: 122268

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride			50.0	46.99		ug/L		94	67 - 139	4	30
Chlorobenzene			50.0	48.40		ug/L		97	80 - 120	3	20
Ethylbenzene			50.0	49.73		ug/L		99	80 - 120	4	20
Methyl-t-Butyl Ether (MTBE)			50.0	43.36		ug/L		87	77 - 120	0	24
m,p-Xylene			100	104.1		ug/L		104	80 - 125	4	30
o-Xylene			50.0	50.85		ug/L		102	80 - 125	3	20
Toluene			50.0	45.53		ug/L		91	80 - 122	3	20
Trichloroethene			50.0	48.87		ug/L		98	77 - 125	0	22
Vinyl chloride			50.0	44.11		ug/L		88	63 - 135	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 129*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 128*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-121672/1-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
1,2-Dichlorobenzene	ND		0.50	0.074	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
1,3-Dichlorobenzene	ND		0.50	0.069	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
1,4-Dichlorobenzene	ND		0.50	0.071	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
1-Methylnaphthalene	ND		0.50	0.036	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4,5-Trichlorophenol	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4,6-Trichlorophenol	ND		0.50	0.078	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4-Dichlorophenol	ND		0.50	0.042	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4-Dimethylphenol	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4-Dinitrophenol	ND		2.0	1.6	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,4-Dinitrotoluene	ND		0.50	0.045	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,6-Dichlorophenol	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2,6-Dinitrotoluene	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Chloronaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Chlorophenol	ND		0.50	0.099	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Methylnaphthalene	ND		0.50	0.057	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Methylphenol	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Nitroaniline	ND		0.50	0.065	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
2-Nitrophenol	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
3 & 4 Methylphenol	ND		1.0	0.63	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
3,3'-Dichlorobenzidine	ND		2.5	0.81	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
3-Nitroaniline	ND		0.50	0.047	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4,6-Dinitro-2-methylphenol	ND		2.5	0.97	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4-Bromophenyl phenyl ether	ND		0.50	0.059	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4-Chloro-3-methylphenol	ND		0.50	0.084	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4-Chloroaniline	ND		0.50	0.072	mg/Kg		01/12/21 10:27	01/13/21 14:47	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-121672/1-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		0.50	0.070	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4-Nitroaniline	ND		0.50	0.044	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
4-Nitrophenol	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Acenaphthene	ND		0.50	0.054	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Acenaphthylene	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Aniline	ND		0.50	0.040	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Anthracene	ND		0.50	0.051	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Azobenzene	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzidine	ND		5.0	1.4	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzo[a]anthracene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzo[a]pyrene	ND		0.50	0.076	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzo[b]fluoranthene	ND		0.50	0.080	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzo[g,h,i]perylene	ND		0.50	0.083	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzo[k]fluoranthene	ND		0.50	0.046	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzoic acid	ND		2.5	1.6	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Benzyl alcohol	ND		0.50	0.085	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
bis (2-Chloroisopropyl) ether	ND		0.50	0.060	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Bis(2-chloroethoxy)methane	ND		0.50	0.062	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Bis(2-chloroethyl)ether	ND		2.5	0.10	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.25	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Butyl benzyl phthalate	ND		0.50	0.22	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Chrysene	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Dibenz(a,h)anthracene	ND		0.50	0.10	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Dibenzofuran	ND		0.50	0.094	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Diethyl phthalate	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Dimethyl phthalate	ND		0.50	0.063	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Di-n-butyl phthalate	ND		0.50	0.073	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Di-n-octyl phthalate	ND		0.50	0.36	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Fluoranthene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Fluorene	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Hexachloro-1,3-butadiene	ND		0.50	0.050	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Hexachlorobenzene	ND		0.50	0.092	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Hexachlorocyclopentadiene	ND		1.5	0.38	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Hexachloroethane	ND		0.50	0.11	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.090	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Isophorone	ND		0.50	0.068	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Naphthalene	ND		0.50	0.058	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Nitrobenzene	ND		2.0	0.044	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
N-Nitrosodimethylamine	ND		0.50	0.077	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
N-Nitrosodi-n-propylamine	ND		0.50	0.067	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
N-Nitrosodiphenylamine	ND		0.50	0.039	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Pentachlorophenol	ND		2.5	1.0	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Phenanthrene	ND		0.50	0.061	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Phenol	ND		0.50	0.095	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Pyrene	ND		0.50	0.075	mg/Kg		01/12/21 10:27	01/13/21 14:47	1
Pyridine	ND		0.50	0.082	mg/Kg		01/12/21 10:27	01/13/21 14:47	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-121672/1-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121672

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	108		18 - 138	01/12/21 10:27	01/13/21 14:47	1
2-Fluorobiphenyl (Surr)	77		27 - 120	01/12/21 10:27	01/13/21 14:47	1
2-Fluorophenol (Surr)	103		25 - 120	01/12/21 10:27	01/13/21 14:47	1
Nitrobenzene-d5 (Surr)	80		33 - 123	01/12/21 10:27	01/13/21 14:47	1
Phenol-d6 (Surr)	106		26 - 122	01/12/21 10:27	01/13/21 14:47	1
p-Terphenyl-d14 (Surr)	88		27 - 159	01/12/21 10:27	01/13/21 14:47	1

Lab Sample ID: LCS 570-121672/2-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	5.00	4.225		mg/Kg		85	45 - 129
1,2-Dichlorobenzene	5.00	4.321		mg/Kg		86	45 - 123
1,3-Dichlorobenzene	5.00	4.228		mg/Kg		85	45 - 123
1,4-Dichlorobenzene	5.00	4.146		mg/Kg		83	42 - 132
1-Methylnaphthalene	5.00	4.645		mg/Kg		93	45 - 105
2,4,5-Trichlorophenol	5.00	4.308		mg/Kg		86	43 - 127
2,4,6-Trichlorophenol	5.00	4.256		mg/Kg		85	48 - 126
2,4-Dichlorophenol	5.00	4.489		mg/Kg		90	49 - 127
2,4-Dimethylphenol	5.00	4.670		mg/Kg		93	45 - 147
2,4-Dinitrophenol	5.00	2.399		mg/Kg		48	18 - 138
2,4-Dinitrotoluene	5.00	4.479		mg/Kg		90	51 - 129
2,6-Dichlorophenol	5.00	4.363		mg/Kg		87	55 - 115
2,6-Dinitrotoluene	5.00	4.448		mg/Kg		89	44 - 140
2-Chloronaphthalene	5.00	4.118		mg/Kg		82	45 - 129
2-Chlorophenol	5.00	4.562		mg/Kg		91	58 - 124
2-Methylnaphthalene	5.00	4.398		mg/Kg		88	42 - 132
2-Methylphenol	5.00	4.705		mg/Kg		94	45 - 129
2-Nitroaniline	5.00	4.899		mg/Kg		98	35 - 150
2-Nitrophenol	5.00	4.617		mg/Kg		92	50 - 140
3 & 4 Methylphenol	10.0	8.176		mg/Kg		82	37 - 127
3,3'-Dichlorobenzidine	5.00	4.060		mg/Kg		81	20 - 150
3-Nitroaniline	5.00	4.034		mg/Kg		81	24 - 120
4,6-Dinitro-2-methylphenol	5.00	3.737		mg/Kg		75	36 - 138
4-Bromophenyl phenyl ether	5.00	4.154		mg/Kg		83	39 - 135
4-Chloro-3-methylphenol	5.00	4.963		mg/Kg		99	55 - 151
4-Chloroaniline	5.00	3.631		mg/Kg		73	16 - 124
4-Chlorophenyl phenyl ether	5.00	4.465		mg/Kg		89	45 - 135
4-Nitroaniline	5.00	4.330		mg/Kg		87	47 - 137
4-Nitrophenol	5.00	4.937		mg/Kg		99	24 - 126
Acenaphthene	5.00	4.373		mg/Kg		87	51 - 123
Acenaphthylene	5.00	4.797		mg/Kg		96	52 - 120
Aniline	5.00	3.572		mg/Kg		71	50 - 130
Anthracene	5.00	4.711		mg/Kg		94	41 - 125
Azobenzene	5.00	4.701		mg/Kg		94	60 - 140
Benzidine	5.00	3.431	J	mg/Kg		69	20 - 92
Benzo[a]anthracene	5.00	5.078		mg/Kg		102	45 - 117

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-121672/2-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	5.00	5.191		mg/Kg		104	41 - 125
Benzo[b]fluoranthene	5.00	4.895		mg/Kg		98	41 - 137
Benzo[g,h,i]perylene	5.00	5.060		mg/Kg		101	16 - 124
Benzo[k]fluoranthene	5.00	4.479		mg/Kg		90	42 - 144
Benzoic acid	5.00	3.078		mg/Kg		62	18 - 150
Benzyl alcohol	5.00	4.878		mg/Kg		98	46 - 150
bis (2-Chloroisopropyl) ether	5.00	5.033		mg/Kg		101	27 - 147
Bis(2-chloroethoxy)methane	5.00	4.478		mg/Kg		90	43 - 133
Bis(2-chloroethyl)ether	5.00	4.362		mg/Kg		87	46 - 124
Bis(2-ethylhexyl) phthalate	5.00	5.230		mg/Kg		105	55 - 121
Butyl benzyl phthalate	5.00	5.138		mg/Kg		103	43 - 139
Chrysene	5.00	4.622		mg/Kg		92	45 - 117
Dibenz(a,h)anthracene	5.00	5.318		mg/Kg		106	21 - 129
Dibenzofuran	5.00	4.232		mg/Kg		85	46 - 130
Diethyl phthalate	5.00	4.597		mg/Kg		92	44 - 134
Dimethyl phthalate	5.00	4.359		mg/Kg		87	51 - 123
Di-n-butyl phthalate	5.00	4.839		mg/Kg		97	44 - 134
Di-n-octyl phthalate	5.00	5.274		mg/Kg		105	18 - 150
Fluoranthene	5.00	4.291		mg/Kg		86	39 - 129
Fluorene	5.00	4.715		mg/Kg		94	54 - 126
Hexachloro-1,3-butadiene	5.00	4.244		mg/Kg		85	40 - 136
Hexachlorobenzene	5.00	4.595		mg/Kg		92	40 - 136
Hexachlorocyclopentadiene	5.00	5.062		mg/Kg		101	31 - 115
Hexachloroethane	5.00	4.419		mg/Kg		88	40 - 124
Indeno[1,2,3-cd]pyrene	5.00	5.003		mg/Kg		100	70 - 130
Isophorone	5.00	4.747		mg/Kg		95	70 - 130
Naphthalene	5.00	4.593		mg/Kg		92	32 - 146
Nitrobenzene	5.00	4.547		mg/Kg		91	41 - 137
N-Nitrosodimethylamine	5.00	4.361		mg/Kg		87	45 - 129
N-Nitrosodi-n-propylamine	5.00	4.538		mg/Kg		91	40 - 136
N-Nitrosodiphenylamine	5.00	5.419		mg/Kg		108	51 - 150
Pentachlorophenol	5.00	3.160		mg/Kg		63	23 - 131
Phenanthrene	5.00	4.547		mg/Kg		91	38 - 140
Phenol	5.00	4.783		mg/Kg		96	40 - 130
Pyrene	5.00	4.704		mg/Kg		94	47 - 143
Pyridine	5.00	2.848		mg/Kg		57	46 - 88

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*114*		*18 - 138*
2-Fluorobiphenyl (Surr)	*72*		*27 - 120*
2-Fluorophenol (Surr)	*105*		*25 - 120*
Nitrobenzene-d5 (Surr)	*81*		*33 - 123*
Phenol-d6 (Surr)	*110*		*26 - 122*
p-Terphenyl-d14 (Surr)	*81*		*27 - 159*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-121672/3-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121672

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			5.00	4.386		mg/Kg		88	45 - 129	4	27
1,2-Dichlorobenzene			5.00	4.618		mg/Kg		92	45 - 123	7	14
1,3-Dichlorobenzene			5.00	4.459		mg/Kg		89	45 - 123	5	15
1,4-Dichlorobenzene			5.00	4.375		mg/Kg		87	42 - 132	5	30
1-Methylnaphthalene			5.00	4.834		mg/Kg		97	45 - 105	4	30
2,4,5-Trichlorophenol			5.00	4.410		mg/Kg		88	43 - 127	2	13
2,4,6-Trichlorophenol			5.00	4.358		mg/Kg		87	48 - 126	2	12
2,4-Dichlorophenol			5.00	4.684		mg/Kg		94	49 - 127	4	11
2,4-Dimethylphenol			5.00	4.847		mg/Kg		97	45 - 147	4	12
2,4-Dinitrophenol			5.00	2.702		mg/Kg		54	18 - 138	12	19
2,4-Dinitrotoluene			5.00	4.551		mg/Kg		91	51 - 129	2	28
2,6-Dichlorophenol			5.00	4.561		mg/Kg		91	55 - 115	4	20
2,6-Dinitrotoluene			5.00	4.546		mg/Kg		91	44 - 140	2	13
2-Chloronaphthalene			5.00	4.228		mg/Kg		85	45 - 129	3	13
2-Chlorophenol			5.00	4.830		mg/Kg		97	58 - 124	6	20
2-Methylnaphthalene			5.00	4.645		mg/Kg		93	42 - 132	5	13
2-Methylphenol			5.00	5.109		mg/Kg		102	45 - 129	8	13
2-Nitroaniline			5.00	4.940		mg/Kg		99	35 - 150	1	13
2-Nitrophenol			5.00	4.830		mg/Kg		97	50 - 140	5	13
3 & 4 Methylphenol			10.0	8.709		mg/Kg		87	37 - 127	6	13
3,3'-Dichlorobenzidine			5.00	3.946		mg/Kg		79	20 - 150	3	20
3-Nitroaniline			5.00	4.084		mg/Kg		82	24 - 120	1	19
4,6-Dinitro-2-methylphenol			5.00	3.938		mg/Kg		79	36 - 138	5	17
4-Bromophenyl phenyl ether			5.00	4.363		mg/Kg		87	39 - 135	5	13
4-Chloro-3-methylphenol			5.00	4.988		mg/Kg		100	55 - 151	1	20
4-Chloroaniline			5.00	3.680		mg/Kg		74	16 - 124	1	29
4-Chlorophenyl phenyl ether			5.00	4.468		mg/Kg		89	45 - 135	0	13
4-Nitroaniline			5.00	4.456		mg/Kg		89	47 - 137	3	12
4-Nitrophenol			5.00	5.229		mg/Kg		105	24 - 126	6	27
Acenaphthene			5.00	4.569		mg/Kg		91	51 - 123	4	26
Acenaphthylene			5.00	4.954		mg/Kg		99	52 - 120	3	28
Aniline			5.00	3.607		mg/Kg		72	50 - 130	1	30
Anthracene			5.00	4.881		mg/Kg		98	41 - 125	4	11
Azobenzene			5.00	4.805		mg/Kg		96	60 - 140	2	30
Benzidine			5.00	3.383	J	mg/Kg		68	20 - 92	1	24
Benzo[a]anthracene			5.00	5.246		mg/Kg		105	45 - 117	3	12
Benzo[a]pyrene			5.00	5.377		mg/Kg		108	41 - 125	4	13
Benzo[b]fluoranthene			5.00	4.936		mg/Kg		99	41 - 137	1	15
Benzo[g,h,i]perylene			5.00	5.060		mg/Kg		101	16 - 124	0	18
Benzo[k]fluoranthene			5.00	4.620		mg/Kg		92	42 - 144	3	15
Benzoic acid			5.00	3.401		mg/Kg		68	18 - 150	10	16
Benzyl alcohol			5.00	5.284		mg/Kg		106	46 - 150	8	16
bis (2-Chloroisopropyl) ether			5.00	5.511		mg/Kg		110	27 - 147	9	12
Bis(2-chloroethoxy)methane			5.00	4.690		mg/Kg		94	43 - 133	5	13
Bis(2-chloroethyl)ether			5.00	4.649		mg/Kg		93	46 - 124	6	21
Bis(2-ethylhexyl) phthalate			5.00	5.504		mg/Kg		110	55 - 121	5	10
Butyl benzyl phthalate			5.00	5.336		mg/Kg		107	43 - 139	4	29
Chrysene			5.00	4.731		mg/Kg		95	45 - 117	2	12

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-121672/3-A
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121672

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene			5.00	5.307		mg/Kg		106	21 - 129	0	15
Dibenzofuran			5.00	4.386		mg/Kg		88	46 - 130	4	14
Diethyl phthalate			5.00	4.725		mg/Kg		94	44 - 134	3	13
Dimethyl phthalate			5.00	4.389		mg/Kg		88	51 - 123	1	27
Di-n-butyl phthalate			5.00	4.980		mg/Kg		100	44 - 134	3	11
Di-n-octyl phthalate			5.00	5.474		mg/Kg		109	18 - 150	4	13
Fluoranthene			5.00	4.407		mg/Kg		88	39 - 129	3	12
Fluorene			5.00	4.745		mg/Kg		95	54 - 126	1	27
Hexachloro-1,3-butadiene			5.00	4.358		mg/Kg		87	40 - 136	3	15
Hexachlorobenzene			5.00	4.752		mg/Kg		95	40 - 136	3	11
Hexachlorocyclopentadiene			5.00	5.280		mg/Kg		106	31 - 115	4	30
Hexachloroethane			5.00	4.642		mg/Kg		93	40 - 124	5	16
Indeno[1,2,3-cd]pyrene			5.00	4.988		mg/Kg		100	70 - 130	0	15
Isophorone			5.00	4.980		mg/Kg		100	70 - 130	5	12
Naphthalene			5.00	4.717		mg/Kg		94	32 - 146	3	20
Nitrobenzene			5.00	4.788		mg/Kg		96	41 - 137	5	13
N-Nitrosodimethylamine			5.00	4.476		mg/Kg		90	45 - 129	3	18
N-Nitrosodi-n-propylamine			5.00	4.862		mg/Kg		97	40 - 136	7	29
N-Nitrosodiphenylamine			5.00	5.551		mg/Kg		111	51 - 150	2	11
Pentachlorophenol			5.00	3.197		mg/Kg		64	23 - 131	1	22
Phenanthrene			5.00	4.711		mg/Kg		94	38 - 140	4	11
Phenol			5.00	5.035		mg/Kg		101	40 - 130	5	20
Pyrene			5.00	5.059		mg/Kg		101	47 - 143	7	20
Pyridine			5.00	2.956		mg/Kg		59	46 - 88	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*114*		*18 - 138*
2-Fluorobiphenyl (Surr)	*74*		*27 - 120*
2-Fluorophenol (Surr)	*110*		*25 - 120*
Nitrobenzene-d5 (Surr)	*85*		*33 - 123*
Phenol-d6 (Surr)	*117*		*26 - 122*
p-Terphenyl-d14 (Surr)	*89*		*27 - 159*

Lab Sample ID: 570-48097-6 MS
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		4.98	3.411		mg/Kg		69	56 - 120
1,2-Dichlorobenzene	ND		4.98	3.387		mg/Kg		68	51 - 117
1,3-Dichlorobenzene	ND		4.98	3.245		mg/Kg		65	54 - 114
1,4-Dichlorobenzene	ND		4.98	3.238		mg/Kg		65	43 - 120
1-Methylnaphthalene	ND		4.98	3.861		mg/Kg		78	45 - 105
2,4,5-Trichlorophenol	ND		4.98	3.570		mg/Kg		72	48 - 120
2,4,6-Trichlorophenol	ND		4.98	3.606		mg/Kg		72	53 - 119
2,4-Dichlorophenol	ND		4.98	3.702		mg/Kg		74	55 - 121
2,4-Dimethylphenol	ND		4.98	3.923		mg/Kg		79	45 - 135
2,4-Dinitrophenol	ND	F1	4.98	ND	F1	mg/Kg		0	15 - 99

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48097-6 MS
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	ND		4.98	3.706		mg/Kg		74	28 - 120
2,6-Dichlorophenol	ND	F1	4.98	3.589	F1	mg/Kg		72	75 - 125
2,6-Dinitrotoluene	ND		4.98	3.714		mg/Kg		75	49 - 139
2-Chloronaphthalene	ND		4.98	3.522		mg/Kg		71	51 - 123
2-Chlorophenol	ND		4.98	3.674		mg/Kg		74	53 - 120
2-Methylnaphthalene	ND		4.98	3.747		mg/Kg		75	51 - 123
2-Methylphenol	ND		4.98	3.950		mg/Kg		79	52 - 124
2-Nitroaniline	ND		4.98	4.071		mg/Kg		82	43 - 157
2-Nitrophenol	ND		4.98	3.787		mg/Kg		76	55 - 139
3 & 4 Methylphenol	ND		9.96	7.002		mg/Kg		70	33 - 129
3,3'-Dichlorobenzidine	ND		4.98	3.975		mg/Kg		80	15 - 225
3-Nitroaniline	ND		4.98	3.534		mg/Kg		71	30 - 144
4,6-Dinitro-2-methylphenol	ND		4.98	3.037		mg/Kg		61	26 - 146
4-Bromophenyl phenyl ether	ND		4.98	3.428		mg/Kg		69	45 - 129
4-Chloro-3-methylphenol	ND		4.98	3.983		mg/Kg		80	32 - 120
4-Chloroaniline	ND		4.98	3.279		mg/Kg		66	25 - 133
4-Chlorophenyl phenyl ether	ND		4.98	3.604		mg/Kg		72	47 - 131
4-Nitroaniline	ND		4.98	3.629		mg/Kg		73	50 - 140
4-Nitrophenol	ND		4.98	4.301		mg/Kg		86	14 - 128
Acenaphthene	ND		4.98	3.732		mg/Kg		75	34 - 148
Acenaphthylene	ND		4.98	4.029		mg/Kg		81	53 - 120
Aniline	ND	F1	4.98	2.923	F1	mg/Kg		59	60 - 140
Anthracene	ND		4.98	3.990		mg/Kg		80	45 - 123
Azobenzene	ND		4.98	4.012		mg/Kg		81	60 - 140
Benzidine	ND		4.98	2.441	J	mg/Kg		49	0.1 - 78
Benzo[a]anthracene	ND		4.98	4.477		mg/Kg		90	44 - 122
Benzo[a]pyrene	ND		4.98	4.300		mg/Kg		86	50 - 116
Benzo[b]fluoranthene	ND		4.98	3.970		mg/Kg		80	56 - 122
Benzo[g,h,i]perylene	ND		4.98	4.174		mg/Kg		84	9 - 123
Benzo[k]fluoranthene	ND		4.98	3.908		mg/Kg		79	52 - 130
Benzoic acid	ND	F1	4.98	1.630	J F1	mg/Kg		33	0.1 - 28
Benzyl alcohol	ND		4.98	4.102		mg/Kg		82	54 - 150
bis (2-Chloroisopropyl) ether	ND		4.98	4.187		mg/Kg		84	33 - 153
Bis(2-chloroethoxy)methane	ND		4.98	3.868		mg/Kg		78	49 - 127
Bis(2-chloroethyl)ether	ND		4.98	3.436		mg/Kg		69	55 - 115
Bis(2-ethylhexyl) phthalate	ND		4.98	4.546		mg/Kg		91	55 - 121
Butyl benzyl phthalate	ND		4.98	4.484		mg/Kg		90	15 - 189
Chrysene	ND		4.98	3.988		mg/Kg		80	42 - 120
Dibenz(a,h)anthracene	ND		4.98	4.405		mg/Kg		89	19 - 127
Dibenzofuran	ND		4.98	3.568		mg/Kg		72	48 - 126
Diethyl phthalate	ND		4.98	3.816		mg/Kg		77	52 - 124
Dimethyl phthalate	ND		4.98	3.588		mg/Kg		72	44 - 122
Di-n-butyl phthalate	ND		4.98	4.222		mg/Kg		85	49 - 127
Di-n-octyl phthalate	ND		4.98	4.665		mg/Kg		94	43 - 163
Fluoranthene	ND		4.98	3.866		mg/Kg		78	45 - 123
Fluorene	ND		4.98	3.884		mg/Kg		78	12 - 186
Hexachloro-1,3-butadiene	ND		4.98	3.439		mg/Kg		69	43 - 127
Hexachlorobenzene	ND		4.98	3.983		mg/Kg		80	43 - 133
Hexachlorocyclopentadiene	ND		4.98	4.230		mg/Kg		85	60 - 140

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48097-6 MS
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	ND		4.98	3.388		mg/Kg		68	48 - 114
Indeno[1,2,3-cd]pyrene	ND		4.98	4.146		mg/Kg		83	70 - 130
Isophorone	ND		4.98	4.026		mg/Kg		81	51 - 117
Naphthalene	ND		4.98	3.616		mg/Kg		73	20 - 140
Nitrobenzene	ND		4.98	3.687		mg/Kg		74	46 - 136
N-Nitrosodimethylamine	ND		4.98	3.260		mg/Kg		65	53 - 119
N-Nitrosodi-n-propylamine	ND		4.98	3.915		mg/Kg		79	38 - 140
N-Nitrosodiphenylamine	ND		4.98	4.536		mg/Kg		91	57 - 159
Pentachlorophenol	ND		4.98	2.423	J	mg/Kg		49	10 - 124
Phenanthrene	ND		4.98	3.832		mg/Kg		77	46 - 130
Phenol	ND		4.98	3.930		mg/Kg		79	22 - 124
Pyrene	ND		4.98	4.448		mg/Kg		89	31 - 169
Pyridine	ND	F1	4.98	2.135	F1	mg/Kg		43	50 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*18 - 138*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*
2-Fluorophenol (Surr)	*82*		*25 - 120*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*
Phenol-d6 (Surr)	*88*		*26 - 122*
p-Terphenyl-d14 (Surr)	*75*		*27 - 159*

Lab Sample ID: 570-48097-6 MSD
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		4.97	3.268		mg/Kg		66	56 - 120	4	20
1,2-Dichlorobenzene	ND		4.97	3.482		mg/Kg		70	51 - 117	3	18
1,3-Dichlorobenzene	ND		4.97	3.385		mg/Kg		68	54 - 114	4	18
1,4-Dichlorobenzene	ND		4.97	3.396		mg/Kg		68	43 - 120	5	26
1-Methylnaphthalene	ND		4.97	3.869		mg/Kg		78	45 - 105	0	30
2,4,5-Trichlorophenol	ND		4.97	3.576		mg/Kg		72	48 - 120	0	18
2,4,6-Trichlorophenol	ND		4.97	3.490		mg/Kg		70	53 - 119	3	18
2,4-Dichlorophenol	ND		4.97	3.652		mg/Kg		73	55 - 121	1	18
2,4-Dimethylphenol	ND		4.97	3.859		mg/Kg		78	45 - 135	2	22
2,4-Dinitrophenol	ND	F1	4.97	ND	F1	mg/Kg		0	15 - 99	NC	33
2,4-Dinitrotoluene	ND		4.97	3.714		mg/Kg		75	28 - 120	0	20
2,6-Dichlorophenol	ND	F1	4.97	3.580	F1	mg/Kg		72	75 - 125	0	20
2,6-Dinitrotoluene	ND		4.97	3.673		mg/Kg		74	49 - 139	1	17
2-Chloronaphthalene	ND		4.97	3.475		mg/Kg		70	51 - 123	1	17
2-Chlorophenol	ND		4.97	3.726		mg/Kg		75	53 - 120	1	20
2-Methylnaphthalene	ND		4.97	3.606		mg/Kg		73	51 - 123	4	19
2-Methylphenol	ND		4.97	3.938		mg/Kg		79	52 - 124	0	19
2-Nitroaniline	ND		4.97	4.023		mg/Kg		81	43 - 157	1	17
2-Nitrophenol	ND		4.97	3.750		mg/Kg		75	55 - 139	1	17
3 & 4 Methylphenol	ND		9.94	7.020		mg/Kg		71	33 - 129	0	20
3,3'-Dichlorobenzidine	ND		4.97	3.907		mg/Kg		79	15 - 225	2	22

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48097-6 MSD
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3-Nitroaniline	ND		4.97	3.509		mg/Kg		71	30 - 144	1	18
4,6-Dinitro-2-methylphenol	ND		4.97	2.907		mg/Kg		58	26 - 146	4	18
4-Bromophenyl phenyl ether	ND		4.97	3.311		mg/Kg		67	45 - 129	3	17
4-Chloro-3-methylphenol	ND		4.97	3.848		mg/Kg		77	32 - 120	3	20
4-Chloroaniline	ND		4.97	3.250		mg/Kg		65	25 - 133	1	22
4-Chlorophenyl phenyl ether	ND		4.97	3.573		mg/Kg		72	47 - 131	1	18
4-Nitroaniline	ND		4.97	3.762		mg/Kg		76	50 - 140	4	18
4-Nitrophenol	ND		4.97	4.208		mg/Kg		85	14 - 128	2	59
Acenaphthene	ND		4.97	3.595		mg/Kg		72	34 - 148	4	20
Acenaphthylene	ND		4.97	3.946		mg/Kg		79	53 - 120	2	20
Aniline	ND	F1	4.97	2.888	F1	mg/Kg		58	60 - 140	1	30
Anthracene	ND		4.97	3.877		mg/Kg		78	45 - 123	3	17
Azobenzene	ND		4.97	3.735		mg/Kg		75	60 - 140	7	30
Benzidine	ND		4.97	2.014	J	mg/Kg		41	0.1 - 78	19	54
Benzo[a]anthracene	ND		4.97	4.382		mg/Kg		88	44 - 122	2	14
Benzo[a]pyrene	ND		4.97	4.203		mg/Kg		85	50 - 116	2	17
Benzo[b]fluoranthene	ND		4.97	4.009		mg/Kg		81	56 - 122	1	20
Benzo[g,h,i]perylene	ND		4.97	4.196		mg/Kg		84	9 - 123	1	18
Benzo[k]fluoranthene	ND		4.97	3.733		mg/Kg		75	52 - 130	5	18
Benzoic acid	ND	F1	4.97	ND	F1	mg/Kg		0	0.1 - 28	NC	81
Benzyl alcohol	ND		4.97	4.103		mg/Kg		83	54 - 150	0	18
bis (2-Chloroisopropyl) ether	ND		4.97	4.217		mg/Kg		85	33 - 153	1	18
Bis(2-chloroethoxy)methane	ND		4.97	3.705		mg/Kg		75	49 - 127	4	16
Bis(2-chloroethyl)ether	ND		4.97	3.555		mg/Kg		72	55 - 115	3	18
Bis(2-ethylhexyl) phthalate	ND		4.97	4.623		mg/Kg		93	55 - 121	2	15
Butyl benzyl phthalate	ND		4.97	4.535		mg/Kg		91	15 - 189	1	20
Chrysene	ND		4.97	3.985		mg/Kg		80	42 - 120	0	16
Dibenz(a,h)anthracene	ND		4.97	4.325		mg/Kg		87	19 - 127	2	16
Dibenzofuran	ND		4.97	3.469		mg/Kg		70	48 - 126	3	18
Diethyl phthalate	ND		4.97	3.849		mg/Kg		77	52 - 124	1	16
Dimethyl phthalate	ND		4.97	3.464		mg/Kg		70	44 - 122	4	20
Di-n-butyl phthalate	ND		4.97	4.237		mg/Kg		85	49 - 127	0	17
Di-n-octyl phthalate	ND		4.97	4.684		mg/Kg		94	43 - 163	0	19
Fluoranthene	ND		4.97	3.787		mg/Kg		76	45 - 123	2	18
Fluorene	ND		4.97	3.805		mg/Kg		77	12 - 186	2	20
Hexachloro-1,3-butadiene	ND		4.97	3.369		mg/Kg		68	43 - 127	2	17
Hexachlorobenzene	ND		4.97	3.750		mg/Kg		75	43 - 133	6	17
Hexachlorocyclopentadiene	ND		4.97	4.259		mg/Kg		86	60 - 140	1	30
Hexachloroethane	ND		4.97	3.515		mg/Kg		71	48 - 114	4	17
Indeno[1,2,3-cd]pyrene	ND		4.97	4.064		mg/Kg		82	70 - 130	2	16
Isophorone	ND		4.97	3.871		mg/Kg		78	51 - 117	4	16
Naphthalene	ND		4.97	3.546		mg/Kg		71	20 - 140	2	20
Nitrobenzene	ND		4.97	3.688		mg/Kg		74	46 - 136	0	17
N-Nitrosodimethylamine	ND		4.97	3.367		mg/Kg		68	53 - 119	3	18
N-Nitrosodi-n-propylamine	ND		4.97	3.934		mg/Kg		79	38 - 140	0	20
N-Nitrosodiphenylamine	ND		4.97	4.334		mg/Kg		87	57 - 159	5	20
Pentachlorophenol	ND		4.97	2.332	J	mg/Kg		47	10 - 124	4	20
Phenanthrene	ND		4.97	3.726		mg/Kg		75	46 - 130	3	17
Phenol	ND		4.97	3.948		mg/Kg		79	22 - 124	0	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48097-6 MSD
Matrix: Solid
Analysis Batch: 121973

Client Sample ID: SB08-18.0-18.5
Prep Type: Total/NA
Prep Batch: 121672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	ND		4.97	4.524		mg/Kg		91	31 - 169	2	20
Pyridine	ND	F1	4.97	2.297	F1	mg/Kg		46	50 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*18 - 138*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*
2-Fluorophenol (Surr)	*86*		*25 - 120*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*
Phenol-d6 (Surr)	*89*		*26 - 122*
p-Terphenyl-d14 (Surr)	*77*		*27 - 159*

Lab Sample ID: MB 570-122222/1-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
1,2-Dichlorobenzene	ND		10	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
1,3-Dichlorobenzene	ND		10	3.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
1,4-Dichlorobenzene	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
1-Methylnaphthalene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4,5-Trichlorophenol	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4,6-Trichlorophenol	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4-Dichlorophenol	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4-Dimethylphenol	ND		10	2.4	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4-Dinitrophenol	ND		50	13	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,4-Dinitrotoluene	ND		10	2.3	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,6-Dichlorophenol	ND		10	1.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
2,6-Dinitrotoluene	ND		10	2.4	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Chloronaphthalene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Chlorophenol	ND		10	2.3	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Methylnaphthalene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Methylphenol	ND		10	2.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Nitroaniline	ND		10	2.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
2-Nitrophenol	ND		10	2.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
3 & 4 Methylphenol	ND		10	2.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
3,3'-Dichlorobenzidine	ND		25	2.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
3-Nitroaniline	ND		10	2.3	ug/L		01/14/21 10:27	01/15/21 15:38	1
4,6-Dinitro-2-methylphenol	ND		50	14	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Bromophenyl phenyl ether	ND		10	2.7	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Chloroaniline	ND		10	2.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Chlorophenyl phenyl ether	ND		10	2.7	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Nitroaniline	ND		10	2.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
4-Nitrophenol	ND		10	1.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
Acenaphthene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
Acenaphthylene	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Aniline	ND		10	1.5	ug/L		01/14/21 10:27	01/15/21 15:38	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-122222/1-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		10	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
Azobenzene	ND		10	2.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzidine	ND		50	6.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzo[a]anthracene	ND		10	4.7	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzo[a]pyrene	ND		10	2.4	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzo[b]fluoranthene	ND		10	2.3	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzo[g,h,i]perylene	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzo[k]fluoranthene	ND		10	3.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzoic acid	ND		50	12	ug/L		01/14/21 10:27	01/15/21 15:38	1
Benzyl alcohol	ND		10	2.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
bis (2-Chloroisopropyl) ether	ND		10	3.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
Bis(2-chloroethoxy)methane	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Bis(2-chloroethyl)ether	ND		25	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Bis(2-ethylhexyl) phthalate	4.776	J	10	3.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
Butyl benzyl phthalate	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Chrysene	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
Dibenz(a,h)anthracene	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Dibenzofuran	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
Diethyl phthalate	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
Dimethyl phthalate	ND		10	2.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
Di-n-butyl phthalate	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Di-n-octyl phthalate	7.961	J	10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Fluoranthene	ND		10	3.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
Fluorene	ND		10	2.7	ug/L		01/14/21 10:27	01/15/21 15:38	1
Hexachloro-1,3-butadiene	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Hexachlorobenzene	ND		10	3.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
Hexachlorocyclopentadiene	ND		25	6.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Hexachloroethane	ND		10	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
Indeno[1,2,3-cd]pyrene	ND		10	2.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
Isophorone	ND		10	2.5	ug/L		01/14/21 10:27	01/15/21 15:38	1
Naphthalene	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Nitrobenzene	ND		25	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
N-Nitrosodimethylamine	ND		10	3.2	ug/L		01/14/21 10:27	01/15/21 15:38	1
N-Nitrosodi-n-propylamine	ND		10	2.4	ug/L		01/14/21 10:27	01/15/21 15:38	1
N-Nitrosodiphenylamine	ND		10	2.8	ug/L		01/14/21 10:27	01/15/21 15:38	1
Pentachlorophenol	ND		10	4.6	ug/L		01/14/21 10:27	01/15/21 15:38	1
Phenanthrene	ND		10	2.9	ug/L		01/14/21 10:27	01/15/21 15:38	1
Phenol	ND		10	2.1	ug/L		01/14/21 10:27	01/15/21 15:38	1
Pyrene	ND		10	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1
Pyridine	ND		10	3.0	ug/L		01/14/21 10:27	01/15/21 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*32 - 143*	*01/14/21 10:27*	*01/15/21 15:38*	*1*
2-Fluorobiphenyl (Surr)	*69*		*45 - 120*	*01/14/21 10:27*	*01/15/21 15:38*	*1*
2-Fluorophenol (Surr)	*53*		*15 - 138*	*01/14/21 10:27*	*01/15/21 15:38*	*1*
Nitrobenzene-d5 (Surr)	*76*		*56 - 123*	*01/14/21 10:27*	*01/15/21 15:38*	*1*
Phenol-d6 (Surr)	*38*		*17 - 141*	*01/14/21 10:27*	*01/15/21 15:38*	*1*
p-Terphenyl-d14 (Surr)	*85*		*46 - 133*	*01/14/21 10:27*	*01/15/21 15:38*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-122222/2-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	76.63		ug/L		77	49 - 120
1,2-Dichlorobenzene	100	71.72		ug/L		72	35 - 105
1,3-Dichlorobenzene	100	70.53		ug/L		71	30 - 100
1,4-Dichlorobenzene	100	68.74		ug/L		69	30 - 100
1-Methylnaphthalene	100	86.72		ug/L		87	45 - 105
2,4,5-Trichlorophenol	100	83.80		ug/L		84	50 - 110
2,4,6-Trichlorophenol	100	85.00		ug/L		85	50 - 115
2,4-Dichlorophenol	100	82.38		ug/L		82	50 - 105
2,4-Dimethylphenol	100	86.09		ug/L		86	30 - 110
2,4-Dinitrophenol	100	69.34		ug/L		69	15 - 140
2,4-Dinitrotoluene	100	84.03		ug/L		84	50 - 120
2,6-Dichlorophenol	100	82.55		ug/L		83	42 - 120
2,6-Dinitrotoluene	100	85.99		ug/L		86	50 - 115
2-Chloronaphthalene	100	83.32		ug/L		83	50 - 105
2-Chlorophenol	100	80.61		ug/L		81	35 - 105
2-Methylnaphthalene	100	84.93		ug/L		85	45 - 105
2-Methylphenol	100	75.17		ug/L		75	40 - 110
2-Nitroaniline	100	97.71		ug/L		98	50 - 115
2-Nitrophenol	100	86.22		ug/L		86	40 - 115
3 & 4 Methylphenol	200	122.1		ug/L		61	30 - 110
3,3'-Dichlorobenzidine	100	93.20		ug/L		93	10 - 125
3-Nitroaniline	100	81.06		ug/L		81	20 - 125
4,6-Dinitro-2-methylphenol	100	79.65		ug/L		80	40 - 130
4-Bromophenyl phenyl ether	100	82.47		ug/L		82	50 - 115
4-Chloro-3-methylphenol	100	86.01		ug/L		86	45 - 110
4-Chloroaniline	100	78.89		ug/L		79	15 - 110
4-Chlorophenyl phenyl ether	100	83.72		ug/L		84	50 - 110
4-Nitroaniline	100	79.28		ug/L		79	35 - 120
4-Nitrophenol	100	46.37		ug/L		46	20 - 150
Acenaphthene	100	86.28		ug/L		86	45 - 110
Acenaphthylene	100	93.95		ug/L		94	50 - 105
Aniline	100	70.25		ug/L		70	30 - 120
Anthracene	100	88.59		ug/L		89	55 - 110
Azobenzene	100	94.28		ug/L		94	50 - 130
Benzidine	100	41.17	J	ug/L		41	24 - 150
Benzo[a]anthracene	100	100.5		ug/L		100	55 - 110
Benzo[a]pyrene	100	97.93		ug/L		98	55 - 110
Benzo[b]fluoranthene	100	87.60		ug/L		88	45 - 120
Benzo[g,h,i]perylene	100	87.54		ug/L		88	40 - 125
Benzo[k]fluoranthene	100	86.34		ug/L		86	45 - 125
Benzoic acid	100	43.84	J	ug/L		44	0.1 - 125
Benzyl alcohol	100	82.82		ug/L		83	30 - 110
bis (2-Chloroisopropyl) ether	100	94.32		ug/L		94	25 - 130
Bis(2-chloroethoxy)methane	100	85.14		ug/L		85	45 - 105
Bis(2-chloroethyl)ether	100	83.72		ug/L		84	35 - 110
Bis(2-ethylhexyl) phthalate	100	90.13		ug/L		90	40 - 125
Butyl benzyl phthalate	100	96.77		ug/L		97	45 - 115
Chrysene	100	88.21		ug/L		88	55 - 110

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-122222/2-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	100	90.32		ug/L		90	40 - 125
Dibenzofuran	100	83.48		ug/L		83	55 - 105
Diethyl phthalate	100	86.18		ug/L		86	40 - 120
Dimethyl phthalate	100	82.14		ug/L		82	25 - 125
Di-n-butyl phthalate	100	93.02		ug/L		93	55 - 115
Di-n-octyl phthalate	100	99.63		ug/L		100	35 - 135
Fluoranthene	100	89.48		ug/L		89	55 - 115
Fluorene	100	91.08		ug/L		91	50 - 110
Hexachloro-1,3-butadiene	100	76.09		ug/L		76	25 - 105
Hexachlorobenzene	100	95.31		ug/L		95	50 - 110
Hexachlorocyclopentadiene	100	97.54		ug/L		98	31 - 109
Hexachloroethane	100	70.71		ug/L		71	30 - 95
Indeno[1,2,3-cd]pyrene	100	86.09		ug/L		86	45 - 125
Isophorone	100	91.25		ug/L		91	50 - 110
Naphthalene	100	84.50		ug/L		85	40 - 100
Nitrobenzene	100	89.24		ug/L		89	45 - 110
N-Nitrosodimethylamine	100	60.19		ug/L		60	25 - 110
N-Nitrosodi-n-propylamine	100	84.70		ug/L		85	35 - 130
N-Nitrosodiphenylamine	100	102.4		ug/L		102	50 - 110
Pentachlorophenol	100	61.26		ug/L		61	40 - 115
Phenanthrene	100	88.75		ug/L		89	50 - 115
Phenol	100	44.21		ug/L		44	10 - 115
Pyrene	100	95.71		ug/L		96	50 - 130
Pyridine	100	45.63		ug/L		46	36 - 96

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*32 - 143*
2-Fluorobiphenyl (Surr)	*72*		*45 - 120*
2-Fluorophenol (Surr)	*67*		*15 - 138*
Nitrobenzene-d5 (Surr)	*82*		*56 - 123*
Phenol-d6 (Surr)	*45*		*17 - 141*
p-Terphenyl-d14 (Surr)	*86*		*46 - 133*

Lab Sample ID: LCSD 570-122222/3-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	79.14		ug/L		79	49 - 120	3	20
1,2-Dichlorobenzene	100	71.92		ug/L		72	35 - 105	0	20
1,3-Dichlorobenzene	100	70.85		ug/L		71	30 - 100	0	20
1,4-Dichlorobenzene	100	69.36		ug/L		69	30 - 100	1	26
1-Methylnaphthalene	100	87.67		ug/L		88	45 - 105	1	20
2,4,5-Trichlorophenol	100	80.93		ug/L		81	50 - 110	3	20
2,4,6-Trichlorophenol	100	80.81		ug/L		81	50 - 115	5	20
2,4-Dichlorophenol	100	85.47		ug/L		85	50 - 105	4	20
2,4-Dimethylphenol	100	87.87		ug/L		88	30 - 110	2	20
2,4-Dinitrophenol	100	63.90		ug/L		64	15 - 140	8	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-122222/3-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	100	82.20		ug/L		82	50 - 120	2	36
2,6-Dichlorophenol	100	84.44		ug/L		84	42 - 120	2	21
2,6-Dinitrotoluene	100	84.46		ug/L		84	50 - 115	2	20
2-Chloronaphthalene	100	79.79		ug/L		80	50 - 105	4	20
2-Chlorophenol	100	79.26		ug/L		79	35 - 105	2	18
2-Methylnaphthalene	100	88.04		ug/L		88	45 - 105	4	20
2-Methylphenol	100	73.68		ug/L		74	40 - 110	2	20
2-Nitroaniline	100	95.37		ug/L		95	50 - 115	2	20
2-Nitrophenol	100	87.40		ug/L		87	40 - 115	1	20
3 & 4 Methylphenol	200	123.3		ug/L		62	30 - 110	1	20
3,3'-Dichlorobenzidine	100	92.43		ug/L		92	10 - 125	1	20
3-Nitroaniline	100	79.87		ug/L		80	20 - 125	1	20
4,6-Dinitro-2-methylphenol	100	74.76		ug/L		75	40 - 130	6	20
4-Bromophenyl phenyl ether	100	81.25		ug/L		81	50 - 115	1	20
4-Chloro-3-methylphenol	100	87.13		ug/L		87	45 - 110	1	40
4-Chloroaniline	100	80.66		ug/L		81	15 - 110	2	20
4-Chlorophenyl phenyl ether	100	82.45		ug/L		82	50 - 110	2	20
4-Nitroaniline	100	78.87		ug/L		79	35 - 120	1	20
4-Nitrophenol	100	44.87		ug/L		45	20 - 150	3	40
Acenaphthene	100	86.38		ug/L		86	45 - 110	0	20
Acenaphthylene	100	93.65		ug/L		94	50 - 105	0	20
Aniline	100	67.61		ug/L		68	30 - 120	4	20
Anthracene	100	91.91		ug/L		92	55 - 110	4	20
Azobenzene	100	93.18		ug/L		93	50 - 130	1	20
Benzidine	100	38.38	J	ug/L		38	24 - 150	7	20
Benzo[a]anthracene	100	101.9		ug/L		102	55 - 110	1	20
Benzo[a]pyrene	100	95.14		ug/L		95	55 - 110	3	20
Benzo[b]fluoranthene	100	91.30		ug/L		91	45 - 120	4	20
Benzo[g,h,i]perylene	100	86.67		ug/L		87	40 - 125	1	20
Benzo[k]fluoranthene	100	82.94		ug/L		83	45 - 125	4	20
Benzoic acid	100	42.16	J	ug/L		42	0.1 - 125	4	20
Benzyl alcohol	100	80.94		ug/L		81	30 - 110	2	20
bis (2-Chloroisopropyl) ether	100	95.64		ug/L		96	25 - 130	1	20
Bis(2-chloroethoxy)methane	100	87.85		ug/L		88	45 - 105	3	20
Bis(2-chloroethyl)ether	100	80.99		ug/L		81	35 - 110	3	20
Bis(2-ethylhexyl) phthalate	100	89.32		ug/L		89	40 - 125	1	20
Butyl benzyl phthalate	100	96.75		ug/L		97	45 - 115	0	20
Chrysene	100	86.95		ug/L		87	55 - 110	1	20
Dibenz(a,h)anthracene	100	90.31		ug/L		90	40 - 125	0	20
Dibenzofuran	100	82.48		ug/L		82	55 - 105	1	20
Diethyl phthalate	100	85.59		ug/L		86	40 - 120	1	20
Dimethyl phthalate	100	81.74		ug/L		82	25 - 125	0	20
Di-n-butyl phthalate	100	93.51		ug/L		94	55 - 115	1	20
Di-n-octyl phthalate	100	98.28		ug/L		98	35 - 135	1	20
Fluoranthene	100	91.28		ug/L		91	55 - 115	2	20
Fluorene	100	89.75		ug/L		90	50 - 110	1	20
Hexachloro-1,3-butadiene	100	76.69		ug/L		77	25 - 105	1	20
Hexachlorobenzene	100	93.65		ug/L		94	50 - 110	2	20
Hexachlorocyclopentadiene	100	93.27		ug/L		93	31 - 109	4	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-122222/3-A
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122222

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane			100	70.53		ug/L		71	30 - 95	0	20
Indeno[1,2,3-cd]pyrene			100	85.63		ug/L		86	45 - 125	1	20
Isophorone			100	92.92		ug/L		93	50 - 110	2	20
Naphthalene			100	84.43		ug/L		84	40 - 100	0	20
Nitrobenzene			100	91.22		ug/L		91	45 - 110	2	20
N-Nitrosodimethylamine			100	59.00		ug/L		59	25 - 110	2	20
N-Nitrosodi-n-propylamine			100	86.22		ug/L		86	35 - 130	2	20
N-Nitrosodiphenylamine			100	104.0		ug/L		104	50 - 110	2	20
Pentachlorophenol			100	57.79		ug/L		58	40 - 115	6	40
Phenanthrene			100	88.99		ug/L		89	50 - 115	0	20
Phenol			100	43.58		ug/L		44	10 - 115	1	23
Pyrene			100	96.34		ug/L		96	50 - 130	1	20
Pyridine			100	44.88		ug/L		45	36 - 96	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*32 - 143*
2-Fluorobiphenyl (Surr)	*71*		*45 - 120*
2-Fluorophenol (Surr)	*66*		*15 - 138*
Nitrobenzene-d5 (Surr)	*83*		*56 - 123*
Phenol-d6 (Surr)	*43*		*17 - 141*
p-Terphenyl-d14 (Surr)	*86*		*46 - 133*

Lab Sample ID: 570-48291-M-5-A MS
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		100	79.18		ug/L		79	18 - 126
1,2-Dichlorobenzene	ND	F2	100	75.77		ug/L		75	35 - 100
1,3-Dichlorobenzene	ND	F2	100	74.13		ug/L		74	30 - 100
1,4-Dichlorobenzene	ND	F2	100	73.22		ug/L		73	36 - 118
1-Methylnaphthalene	ND		100	89.19		ug/L		89	45 - 105
2,4,5-Trichlorophenol	ND	F2	100	85.88		ug/L		86	50 - 110
2,4,6-Trichlorophenol	ND	F2	100	87.53		ug/L		87	50 - 115
2,4-Dichlorophenol	ND	F2	100	84.00		ug/L		84	50 - 105
2,4-Dimethylphenol	ND		100	88.08		ug/L		88	30 - 110
2,4-Dinitrophenol	ND		100	64.43		ug/L		64	15 - 140
2,4-Dinitrotoluene	ND		100	85.28		ug/L		85	25 - 143
2,6-Dichlorophenol	ND		100	82.20		ug/L		82	42 - 120
2,6-Dinitrotoluene	ND		100	88.81		ug/L		88	50 - 115
2-Chloronaphthalene	ND	F2	100	86.97		ug/L		87	50 - 105
2-Chlorophenol	ND	F2	100	82.43		ug/L		82	45 - 135
2-Methylnaphthalene	ND		100	86.23		ug/L		86	45 - 105
2-Methylphenol	ND		100	53.14		ug/L		53	40 - 110
2-Nitroaniline	ND		100	101.5		ug/L		101	50 - 115
2-Nitrophenol	ND	F2	100	88.29		ug/L		88	40 - 115
3 & 4 Methylphenol	ND	F1 F2	201	65.28	F1	ug/L		33	50 - 130
3,3'-Dichlorobenzidine	ND		100	94.56		ug/L		94	10 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48291-M-5-A MS
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	ND		100	83.62		ug/L		83	50 - 130
4,6-Dinitro-2-methylphenol	ND		100	75.85		ug/L		76	40 - 130
4-Bromophenyl phenyl ether	ND		100	82.70		ug/L		82	50 - 115
4-Chloro-3-methylphenol	ND		100	88.48		ug/L		88	20 - 150
4-Chloroaniline	ND		100	80.95		ug/L		81	50 - 130
4-Chlorophenyl phenyl ether	ND		100	87.08		ug/L		87	50 - 110
4-Nitroaniline	ND		100	82.32		ug/L		82	50 - 130
4-Nitrophenol	ND		100	46.75		ug/L		47	20 - 150
Acenaphthene	ND		100	91.28		ug/L		91	51 - 137
Acenaphthylene	ND		100	98.03		ug/L		98	50 - 150
Aniline	ND	F2	100	70.60		ug/L		70	30 - 120
Anthracene	ND		100	93.87		ug/L		94	55 - 110
Azobenzene	ND		100	94.66		ug/L		94	50 - 130
Benzidine	ND	F1 F2	100	35.97	J F1	ug/L		36	50 - 130
Benzo[a]anthracene	ND		100	102.9		ug/L		102	55 - 110
Benzo[a]pyrene	ND		100	101.1		ug/L		101	55 - 110
Benzo[b]fluoranthene	ND		100	93.70		ug/L		93	45 - 120
Benzo[g,h,i]perylene	ND	F2	100	87.95		ug/L		88	40 - 125
Benzo[k]fluoranthene	ND		100	81.09		ug/L		81	45 - 125
Benzoic acid	ND	F1	100	39.97	J F1	ug/L		40	50 - 130
Benzyl alcohol	ND	F2	100	82.20		ug/L		82	50 - 130
bis (2-Chloroisopropyl) ether	ND		100	95.17		ug/L		95	25 - 130
Bis(2-chloroethoxy)methane	ND		100	87.00		ug/L		87	45 - 105
Bis(2-chloroethyl)ether	ND	F2	100	85.69		ug/L		85	35 - 110
Bis(2-ethylhexyl) phthalate	ND		100	92.10		ug/L		92	40 - 125
Butyl benzyl phthalate	ND		100	98.66		ug/L		98	50 - 150
Chrysene	ND		100	89.48		ug/L		89	55 - 110
Dibenz(a,h)anthracene	ND	F2	100	92.15		ug/L		92	40 - 125
Dibenzofuran	ND		100	86.12		ug/L		86	55 - 105
Diethyl phthalate	ND		100	89.35		ug/L		89	40 - 120
Dimethyl phthalate	ND		100	85.54		ug/L		85	50 - 150
Di-n-butyl phthalate	ND		100	94.60		ug/L		94	55 - 115
Di-n-octyl phthalate	ND		100	100.3		ug/L		100	35 - 135
Fluoranthene	ND		100	90.09		ug/L		90	55 - 115
Fluorene	ND		100	93.84		ug/L		93	50 - 150
Hexachloro-1,3-butadiene	ND	F2	100	78.41		ug/L		78	25 - 105
Hexachlorobenzene	ND		100	94.82		ug/L		94	50 - 110
Hexachlorocyclopentadiene	ND		100	99.36		ug/L		99	50 - 130
Hexachloroethane	ND	F2	100	76.32		ug/L		76	30 - 95
Indeno[1,2,3-cd]pyrene	ND	F2	100	87.54		ug/L		87	45 - 125
Isophorone	ND		100	89.91		ug/L		90	50 - 110
Naphthalene	ND	F2	100	88.46		ug/L		88	50 - 150
Nitrobenzene	ND	F2	100	91.84		ug/L		91	45 - 110
N-Nitrosodimethylamine	ND	F1 F2	100	58.65		ug/L		58	50 - 130
N-Nitrosodi-n-propylamine	ND		100	88.43		ug/L		88	52 - 128
N-Nitrosodiphenylamine	ND		100	104.1		ug/L		104	50 - 110
Pentachlorophenol	ND		100	57.85		ug/L		58	20 - 150
Phenanthrene	ND		100	92.65		ug/L		92	50 - 115
Phenol	ND	F2	100	44.51		ug/L		44	10 - 115

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48291-M-5-A MS
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	ND		100	96.68		ug/L		96	45 - 135
Pyridine	ND	F1 F2	100	41.39	F1	ug/L		41	52 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*32 - 143*
2-Fluorobiphenyl (Surr)	*76*		*45 - 120*
2-Fluorophenol (Surr)	*66*		*15 - 138*
Nitrobenzene-d5 (Surr)	*83*		*56 - 123*
Phenol-d6 (Surr)	*45*		*17 - 141*
p-Terphenyl-d14 (Surr)	*86*		*46 - 133*

Lab Sample ID: 570-48291-M-5-B MSD
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		96.1	62.37		ug/L		65	18 - 126	24	30
1,2-Dichlorobenzene	ND	F2	96.1	57.93	F2	ug/L		60	35 - 100	27	20
1,3-Dichlorobenzene	ND	F2	96.1	56.18	F2	ug/L		58	30 - 100	28	20
1,4-Dichlorobenzene	ND	F2	96.1	55.12	F2	ug/L		57	36 - 118	28	26
1-Methylnaphthalene	ND		96.1	74.85		ug/L		78	45 - 105	17	20
2,4,5-Trichlorophenol	ND	F2	96.1	69.22	F2	ug/L		72	50 - 110	21	20
2,4,6-Trichlorophenol	ND	F2	96.1	69.98	F2	ug/L		73	50 - 115	22	20
2,4-Dichlorophenol	ND	F2	96.1	67.31	F2	ug/L		70	50 - 105	22	20
2,4-Dimethylphenol	ND		96.1	74.18		ug/L		77	30 - 110	17	20
2,4-Dinitrophenol	ND		96.1	57.64		ug/L		60	15 - 140	11	20
2,4-Dinitrotoluene	ND		96.1	75.11		ug/L		78	25 - 143	13	36
2,6-Dichlorophenol	ND		96.1	66.90		ug/L		70	42 - 120	21	21
2,6-Dinitrotoluene	ND		96.1	74.96		ug/L		78	50 - 115	17	20
2-Chloronaphthalene	ND	F2	96.1	68.05	F2	ug/L		71	50 - 105	24	20
2-Chlorophenol	ND	F2	96.1	61.79	F2	ug/L		64	45 - 135	29	18
2-Methylnaphthalene	ND		96.1	71.38		ug/L		74	45 - 105	19	20
2-Methylphenol	ND		96.1	61.69		ug/L		64	40 - 110	15	20
2-Nitroaniline	ND		96.1	83.37		ug/L		87	50 - 115	20	20
2-Nitrophenol	ND	F2	96.1	70.67	F2	ug/L		74	40 - 115	22	20
3 & 4 Methylphenol	ND	F1 F2	192	100.7	F2	ug/L		52	50 - 130	43	20
3,3'-Dichlorobenzidine	ND		96.1	81.75		ug/L		85	10 - 125	15	20
3-Nitroaniline	ND		96.1	72.64		ug/L		76	50 - 130	14	20
4,6-Dinitro-2-methylphenol	ND		96.1	66.08		ug/L		69	40 - 130	14	20
4-Bromophenyl phenyl ether	ND		96.1	71.37		ug/L		74	50 - 115	15	20
4-Chloro-3-methylphenol	ND		96.1	75.68		ug/L		79	20 - 150	16	40
4-Chloroaniline	ND		96.1	69.27		ug/L		72	50 - 130	16	20
4-Chlorophenyl phenyl ether	ND		96.1	74.32		ug/L		77	50 - 110	16	20
4-Nitroaniline	ND		96.1	71.06		ug/L		74	50 - 130	15	20
4-Nitrophenol	ND		96.1	42.14		ug/L		44	20 - 150	10	40
Acenaphthene	ND		96.1	75.29		ug/L		78	51 - 137	19	20
Acenaphthylene	ND		96.1	81.79		ug/L		85	50 - 150	18	20
Aniline	ND	F2	96.1	52.50	F2	ug/L		55	30 - 120	29	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-48291-M-5-B MSD
Matrix: Water
Analysis Batch: 122508

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Anthracene	ND		96.1	80.80		ug/L		84	55 - 110	15	20
Azobenzene	ND		96.1	81.22		ug/L		85	50 - 130	15	20
Benzidine	ND	F1 F2	96.1	20.56	J F1 F2	ug/L		21	50 - 130	55	20
Benzo[a]anthracene	ND		96.1	88.72		ug/L		92	55 - 110	15	20
Benzo[a]pyrene	ND		96.1	84.67		ug/L		88	55 - 110	18	20
Benzo[b]fluoranthene	ND		96.1	76.62		ug/L		80	45 - 120	20	20
Benzo[g,h,i]perylene	ND	F2	96.1	71.50	F2	ug/L		74	40 - 125	21	20
Benzo[k]fluoranthene	ND		96.1	69.35		ug/L		72	45 - 125	16	20
Benzoic acid	ND	F1	96.1	33.48	J F1	ug/L		35	50 - 130	18	20
Benzyl alcohol	ND	F2	96.1	66.91	F2	ug/L		70	50 - 130	21	20
bis (2-Chloroisopropyl) ether	ND		96.1	79.07		ug/L		82	25 - 130	18	20
Bis(2-chloroethoxy)methane	ND		96.1	72.58		ug/L		76	45 - 105	18	20
Bis(2-chloroethyl)ether	ND	F2	96.1	68.32	F2	ug/L		71	35 - 110	23	20
Bis(2-ethylhexyl) phthalate	ND		96.1	80.73		ug/L		84	40 - 125	13	20
Butyl benzyl phthalate	ND		96.1	85.97		ug/L		89	50 - 150	14	20
Chrysene	ND		96.1	75.27		ug/L		78	55 - 110	17	20
Dibenz(a,h)anthracene	ND	F2	96.1	74.97	F2	ug/L		78	40 - 125	21	20
Dibenzofuran	ND		96.1	72.76		ug/L		76	55 - 105	17	20
Diethyl phthalate	ND		96.1	76.77		ug/L		80	40 - 120	15	20
Dimethyl phthalate	ND		96.1	73.91		ug/L		77	50 - 150	15	20
Di-n-butyl phthalate	ND		96.1	82.43		ug/L		86	55 - 115	14	20
Di-n-octyl phthalate	ND		96.1	87.42		ug/L		91	35 - 135	14	20
Fluoranthene	ND		96.1	78.35		ug/L		82	55 - 115	14	20
Fluorene	ND		96.1	79.56		ug/L		83	50 - 150	16	20
Hexachloro-1,3-butadiene	ND	F2	96.1	61.84	F2	ug/L		64	25 - 105	24	20
Hexachlorobenzene	ND		96.1	82.07		ug/L		85	50 - 110	14	20
Hexachlorocyclopentadiene	ND		96.1	82.54		ug/L		86	50 - 130	18	20
Hexachloroethane	ND	F2	96.1	56.95	F2	ug/L		59	30 - 95	29	20
Indeno[1,2,3-cd]pyrene	ND	F2	96.1	70.74	F2	ug/L		74	45 - 125	21	20
Isophorone	ND		96.1	75.82		ug/L		79	50 - 110	17	20
Naphthalene	ND	F2	96.1	68.92	F2	ug/L		72	50 - 150	25	20
Nitrobenzene	ND	F2	96.1	73.19	F2	ug/L		76	45 - 110	23	20
N-Nitrosodimethylamine	ND	F1 F2	96.1	41.87	F1 F2	ug/L		44	50 - 130	33	20
N-Nitrosodi-n-propylamine	ND		96.1	74.56		ug/L		78	52 - 128	17	20
N-Nitrosodiphenylamine	ND		96.1	90.52		ug/L		94	50 - 110	14	20
Pentachlorophenol	ND		96.1	49.98		ug/L		52	20 - 150	15	40
Phenanthrene	ND		96.1	78.65		ug/L		82	50 - 115	16	20
Phenol	ND	F2	96.1	33.93	F2	ug/L		35	10 - 115	27	23
Pyrene	ND		96.1	83.74		ug/L		87	45 - 135	14	20
Pyridine	ND	F1 F2	96.1	16.72	F1 F2	ug/L		17	52 - 115	85	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*32 - 143*
2-Fluorobiphenyl (Surr)	*62*		*45 - 120*
2-Fluorophenol (Surr)	*47*		*15 - 138*
Nitrobenzene-d5 (Surr)	*68*		*56 - 123*
Phenol-d6 (Surr)	*35*		*17 - 141*
p-Terphenyl-d14 (Surr)	*78*		*46 - 133*

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

Lab Sample ID: MB 570-122181/5
Matrix: Water
Analysis Batch: 122181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		50	30	ug/L			01/14/21 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*		*38 - 134*		*01/14/21 11:55*	*1*

Lab Sample ID: LCS 570-122181/3
Matrix: Water
Analysis Batch: 122181

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			1990	1937		ug/L		98	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*38 - 134*

Lab Sample ID: LCSD 570-122181/4
Matrix: Water
Analysis Batch: 122181

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1990	1935		ug/L		97	78 - 120	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*38 - 134*

Lab Sample ID: 570-48154-D-5 MS
Matrix: Water
Analysis Batch: 122181

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)	33	J	1990	1915		ug/L		95	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*38 - 134*

Lab Sample ID: 570-48154-D-5 MSD
Matrix: Water
Analysis Batch: 122181

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	33	J	1990	2055		ug/L		102	68 - 122	7	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*38 - 134*

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

Lab Sample ID: MB 570-122237/1-A
Matrix: Solid
Analysis Batch: 122187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099	0.055	mg/Kg		01/14/21 10:46	01/14/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*42 - 126*	*01/14/21 10:46*	*01/14/21 11:53*	*1*

Lab Sample ID: LCS 570-122237/2-A
Matrix: Solid
Analysis Batch: 122187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			1.98	1.818		mg/Kg		92	70 - 124		

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

Lab Sample ID: LCSD 570-122237/3-A
Matrix: Solid
Analysis Batch: 122187

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.00	2.005		mg/Kg		100	70 - 124	10	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*42 - 126*

Lab Sample ID: 570-48336-B-1-E MS
Matrix: Solid
Analysis Batch: 122187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)	0.22	F2 F1	1.99	2.264		mg/Kg		102	48 - 114		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*42 - 126*

Lab Sample ID: 570-48336-B-1-F MSD
Matrix: Solid
Analysis Batch: 122187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	0.22	F2 F1	1.98	2.933	F1 F2	mg/Kg		137	48 - 114	26	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*

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

Lab Sample ID: MB 570-121942/1-A
Matrix: Water
Analysis Batch: 122236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C15-C16	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C17-C18	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C19-C20	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C21-C22	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C23-C24	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C25-C28	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C29-C32	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C33-C36	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C37-C40	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C41-C44	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C13-C22	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C23-C44	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1
C13-C44	ND		50	22	ug/L		01/13/21 11:19	01/14/21 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*68 - 140*	*01/13/21 11:19*	*01/14/21 14:05*	*1*

Lab Sample ID: LCS 570-121942/2-A
Matrix: Water
Analysis Batch: 122236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2000	1838		ug/L		92	69 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*85*		*68 - 140*

Lab Sample ID: LCSD 570-121942/3-A
Matrix: Water
Analysis Batch: 122236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121942

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2000	1867		ug/L		93	69 - 123	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*85*		*68 - 140*

Lab Sample ID: MB 570-122737/1-A
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C15-C16	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C17-C18	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1

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

Lab Sample ID: MB 570-122737/1-A
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C19-C20	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C21-C22	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C23-C24	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C25-C28	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C29-C32	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C33-C36	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C37-C40	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C41-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C13-C22	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C23-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1
C13-C44	ND		5.0	3.8	mg/Kg		01/16/21 10:34	01/18/21 18:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*128*		*61 - 145*	*01/16/21 10:34*	*01/18/21 18:29*	*1*

Lab Sample ID: LCS 570-122737/2-A
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122737

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	483.7		mg/Kg		121	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*124*		*61 - 145*

Lab Sample ID: LCSD 570-122737/3-A
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122737

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	457.5		mg/Kg		114	67 - 121	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*61 - 145*

Lab Sample ID: 570-48367-A-10-B MS
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		402	473.0		mg/Kg		118	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*124*		*61 - 145*

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

Lab Sample ID: 570-48367-A-10-C MSD
Matrix: Solid
Analysis Batch: 122860

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		396	457.6		mg/Kg		116	33 - 153	3	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*124*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-121671/1-A
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:22	01/13/21 12:11	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:22	01/13/21 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*93*		*38 - 148*	*01/12/21 10:22*	*01/13/21 12:11*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*37 - 151*	*01/12/21 10:22*	*01/13/21 12:11*	*1*

Lab Sample ID: LCS 570-121671/2-A
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			25.0	19.18		ug/Kg		77	54 - 154		
4,4'-DDE			25.0	19.43		ug/Kg		78	51 - 149		
4,4'-DDT			25.0	20.19		ug/Kg		81	39 - 152		

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-121671/2-A
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aldrin			25.0	18.46		ug/Kg		74	52 - 138		
alpha-BHC			25.0	16.74		ug/Kg		67	51 - 140		
alpha-Chlordane			25.0	18.22		ug/Kg		73	53 - 141		
beta-BHC			25.0	17.11		ug/Kg		68	53 - 141		
delta-BHC			25.0	7.703		ug/Kg		31	20 - 132		
Dieldrin			25.0	18.71		ug/Kg		75	52 - 144		
Endosulfan I			25.0	18.32		ug/Kg		73	49 - 139		
Endosulfan II			25.0	18.97		ug/Kg		76	51 - 150		
Endosulfan sulfate			25.0	17.02		ug/Kg		68	45 - 139		
Endrin			25.0	18.05		ug/Kg		72	53 - 151		
Endrin aldehyde			25.0	20.56		ug/Kg		82	31 - 146		
gamma-Chlordane			25.0	19.15		ug/Kg		77	46 - 156		
gamma-BHC			25.0	17.05		ug/Kg		68	53 - 141		
Heptachlor			25.0	18.46		ug/Kg		74	52 - 144		
Heptachlor epoxide			25.0	18.58		ug/Kg		74	54 - 141		
Methoxychlor			25.0	21.71		ug/Kg		87	47 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*95*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*119*		*37 - 151*

Lab Sample ID: LCSD 570-121671/3-A
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			25.0	20.85		ug/Kg		83	54 - 154	8	30
4,4'-DDE			25.0	21.17		ug/Kg		85	51 - 149	9	28
4,4'-DDT			25.0	21.25		ug/Kg		85	39 - 152	5	31
Aldrin			25.0	19.91		ug/Kg		80	52 - 138	8	30
alpha-BHC			25.0	17.76		ug/Kg		71	51 - 140	6	29
alpha-Chlordane			25.0	19.72		ug/Kg		79	53 - 141	8	28
beta-BHC			25.0	18.30		ug/Kg		73	53 - 141	7	29
delta-BHC			25.0	8.320		ug/Kg		33	20 - 132	8	40
Dieldrin			25.0	20.39		ug/Kg		82	52 - 144	9	28
Endosulfan I			25.0	19.94		ug/Kg		80	49 - 139	8	28
Endosulfan II			25.0	20.23		ug/Kg		81	51 - 150	6	29
Endosulfan sulfate			25.0	18.15		ug/Kg		73	45 - 139	6	30
Endrin			25.0	19.69		ug/Kg		79	53 - 151	9	29
Endrin aldehyde			25.0	22.14		ug/Kg		89	31 - 146	7	40
gamma-Chlordane			25.0	20.31		ug/Kg		81	46 - 156	6	39
gamma-BHC			25.0	18.19		ug/Kg		73	53 - 141	6	29
Heptachlor			25.0	19.56		ug/Kg		78	52 - 144	6	29
Heptachlor epoxide			25.0	20.14		ug/Kg		81	54 - 141	8	29
Methoxychlor			25.0	23.66		ug/Kg		95	47 - 148	9	29

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*99*		*38 - 148*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 570-121671/3-A
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121671

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	129		37 - 151

Lab Sample ID: 570-48097-4 MS
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 121671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.7	19.03		ug/Kg		77	27 - 144
4,4'-DDE	ND		24.7	19.23		ug/Kg		78	28 - 141
4,4'-DDT	ND		24.7	19.80		ug/Kg		80	10 - 154
Aldrin	ND		24.7	18.08		ug/Kg		73	26 - 125
alpha-BHC	ND		24.7	16.24		ug/Kg		66	24 - 125
alpha-Chlordane	ND		24.7	17.93		ug/Kg		73	17 - 144
beta-BHC	ND		24.7	16.83		ug/Kg		68	28 - 125
delta-BHC	ND		24.7	7.608		ug/Kg		31	10 - 125
Dieldrin	ND		24.7	18.88		ug/Kg		76	19 - 145
Endosulfan I	ND		24.7	18.22		ug/Kg		74	25 - 125
Endosulfan II	ND		24.7	18.66		ug/Kg		75	13 - 142
Endosulfan sulfate	ND		24.7	16.61		ug/Kg		67	14 - 126
Endrin	ND		24.7	18.46		ug/Kg		75	28 - 139
Endrin aldehyde	ND		24.7	18.91		ug/Kg		76	12 - 125
gamma-Chlordane	ND		24.7	18.50		ug/Kg		75	10 - 160
gamma-BHC	ND		24.7	16.58		ug/Kg		67	24 - 125
Heptachlor	ND		24.7	17.89		ug/Kg		72	19 - 127
Heptachlor epoxide	ND		24.7	18.29		ug/Kg		74	33 - 123
Methoxychlor	ND		24.7	21.18		ug/Kg		86	19 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	92		38 - 148
DCB Decachlorobiphenyl (Surr)	115		37 - 151

Lab Sample ID: 570-48097-4 MSD
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 121671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.7	18.81		ug/Kg		76	27 - 144	1	40
4,4'-DDE	ND		24.7	18.99		ug/Kg		77	28 - 141	1	32
4,4'-DDT	ND		24.7	19.37		ug/Kg		78	10 - 154	2	40
Aldrin	ND		24.7	18.16		ug/Kg		73	26 - 125	0	40
alpha-BHC	ND		24.7	16.52		ug/Kg		67	24 - 125	2	40
alpha-Chlordane	ND		24.7	17.82		ug/Kg		72	17 - 144	1	40
beta-BHC	ND		24.7	17.09		ug/Kg		69	28 - 125	2	39
delta-BHC	ND		24.7	7.656		ug/Kg		31	10 - 125	1	40
Dieldrin	ND		24.7	18.73		ug/Kg		76	19 - 145	1	39
Endosulfan I	ND		24.7	18.07		ug/Kg		73	25 - 125	1	39
Endosulfan II	ND		24.7	18.35		ug/Kg		74	13 - 142	2	40
Endosulfan sulfate	ND		24.7	16.29		ug/Kg		66	14 - 126	2	38

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-48097-4 MSD
Matrix: Solid
Analysis Batch: 121756

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 121671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	ND		24.7	18.98		ug/Kg		77	28 - 139	3	40
Endrin aldehyde	ND		24.7	18.46		ug/Kg		75	12 - 125	2	40
gamma-Chlordane	ND		24.7	18.46		ug/Kg		75	10 - 160	0	40
gamma-BHC	ND		24.7	16.84		ug/Kg		68	24 - 125	2	40
Heptachlor	ND		24.7	18.18		ug/Kg		74	19 - 127	2	40
Heptachlor epoxide	ND		24.7	18.23		ug/Kg		74	33 - 123	0	34
Methoxychlor	ND		24.7	20.49		ug/Kg		83	19 - 128	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*94*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*112*		*37 - 151*

Lab Sample ID: MB 570-121673/1-A
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	0.99	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
4,4'-DDE	ND		5.0	0.54	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
4,4'-DDT	ND		5.0	0.36	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Aldrin	ND		5.0	0.30	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
alpha-BHC	ND		5.0	3.0	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
alpha-Chlordane	ND		5.0	1.3	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
beta-BHC	ND		5.0	3.7	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Chlordane	ND		25	2.4	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
delta-BHC	ND		5.0	3.3	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Dieldrin	ND		5.0	0.25	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endosulfan I	ND		5.0	0.44	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endosulfan II	ND		5.0	0.31	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endosulfan sulfate	ND		5.0	0.40	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endrin	ND		5.0	0.33	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endrin aldehyde	ND		5.0	0.73	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Endrin ketone	ND		5.0	0.48	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
gamma-Chlordane	ND		5.0	0.26	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
gamma-BHC	ND		5.0	0.62	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Heptachlor	ND		5.0	0.89	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Heptachlor epoxide	ND		5.0	0.67	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Methoxychlor	ND		5.0	0.81	ug/Kg		01/12/21 10:29	01/14/21 02:59	1
Toxaphene	ND		25	20	ug/Kg		01/12/21 10:29	01/14/21 02:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*38 - 148*	*01/12/21 10:29*	*01/14/21 02:59*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*37 - 151*	*01/12/21 10:29*	*01/14/21 02:59*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-121673/2-A
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121673

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			25.0	20.37		ug/Kg		81	54 - 154		
4,4'-DDE			25.0	20.12		ug/Kg		80	51 - 149		
4,4'-DDT			25.0	20.40		ug/Kg		82	39 - 152		
Aldrin			25.0	18.79		ug/Kg		75	52 - 138		
alpha-BHC			25.0	16.64		ug/Kg		67	51 - 140		
alpha-Chlordane			25.0	18.82		ug/Kg		75	53 - 141		
beta-BHC			25.0	17.31		ug/Kg		69	53 - 141		
delta-BHC			25.0	7.829		ug/Kg		31	20 - 132		
Dieldrin			25.0	19.16		ug/Kg		77	52 - 144		
Endosulfan I			25.0	18.92		ug/Kg		76	49 - 139		
Endosulfan II			25.0	19.90		ug/Kg		80	51 - 150		
Endosulfan sulfate			25.0	18.48		ug/Kg		74	45 - 139		
Endrin			25.0	21.69		ug/Kg		87	53 - 151		
Endrin aldehyde			25.0	19.92		ug/Kg		80	31 - 146		
gamma-Chlordane			25.0	19.24		ug/Kg		77	46 - 156		
gamma-BHC			25.0	17.20		ug/Kg		69	53 - 141		
Heptachlor			25.0	18.46		ug/Kg		74	52 - 144		
Heptachlor epoxide			25.0	19.00		ug/Kg		76	54 - 141		
Methoxychlor			25.0	23.67		ug/Kg		95	47 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*95*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*129*		*37 - 151*

Lab Sample ID: LCSD 570-121673/3-A
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121673

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			25.0	20.20		ug/Kg		81	54 - 154	1	30
4,4'-DDE			25.0	20.03		ug/Kg		80	51 - 149	0	28
4,4'-DDT			25.0	20.24		ug/Kg		81	39 - 152	1	31
Aldrin			25.0	18.80		ug/Kg		75	52 - 138	0	30
alpha-BHC			25.0	16.78		ug/Kg		67	51 - 140	1	29
alpha-Chlordane			25.0	18.84		ug/Kg		75	53 - 141	0	28
beta-BHC			25.0	17.44		ug/Kg		70	53 - 141	1	29
delta-BHC			25.0	7.876		ug/Kg		32	20 - 132	1	40
Dieldrin			25.0	19.28		ug/Kg		77	52 - 144	1	28
Endosulfan I			25.0	18.91		ug/Kg		76	49 - 139	0	28
Endosulfan II			25.0	19.82		ug/Kg		79	51 - 150	0	29
Endosulfan sulfate			25.0	17.99		ug/Kg		72	45 - 139	3	30
Endrin			25.0	21.84		ug/Kg		87	53 - 151	1	29
Endrin aldehyde			25.0	19.84		ug/Kg		79	31 - 146	0	40
gamma-Chlordane			25.0	19.40		ug/Kg		78	46 - 156	1	39
gamma-BHC			25.0	17.27		ug/Kg		69	53 - 141	0	29
Heptachlor			25.0	18.52		ug/Kg		74	52 - 144	0	29
Heptachlor epoxide			25.0	19.06		ug/Kg		76	54 - 141	0	29
Methoxychlor			25.0	22.91		ug/Kg		92	47 - 148	3	29

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 570-121673/3-A
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121673

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	95		38 - 148
DCB Decachlorobiphenyl (Surr)	128		37 - 151

Lab Sample ID: 570-48097-2 MS
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: SB08-1.0-1.5
Prep Type: Total/NA
Prep Batch: 121673

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.8	20.57		ug/Kg		83	27 - 144
4,4'-DDE	ND		24.8	20.63		ug/Kg		83	28 - 141
4,4'-DDT	ND		24.8	20.84		ug/Kg		84	10 - 154
Aldrin	ND		24.8	19.28		ug/Kg		78	26 - 125
alpha-BHC	ND		24.8	17.12		ug/Kg		69	24 - 125
alpha-Chlordane	ND		24.8	19.44		ug/Kg		79	17 - 144
beta-BHC	ND		24.8	18.41		ug/Kg		74	28 - 125
delta-BHC	ND		24.8	8.114		ug/Kg		33	10 - 125
Dieldrin	ND		24.8	20.24		ug/Kg		82	19 - 145
Endosulfan I	ND		24.8	19.44		ug/Kg		79	25 - 125
Endosulfan II	ND		24.8	19.91		ug/Kg		80	13 - 142
Endosulfan sulfate	ND		24.8	17.57		ug/Kg		71	14 - 126
Endrin	ND		24.8	22.39		ug/Kg		90	28 - 139
Endrin aldehyde	ND		24.8	19.20		ug/Kg		78	12 - 125
gamma-Chlordane	ND		24.8	19.94		ug/Kg		81	10 - 160
gamma-BHC	ND		24.8	17.58		ug/Kg		71	24 - 125
Heptachlor	ND		24.8	18.99		ug/Kg		77	19 - 127
Heptachlor epoxide	ND		24.8	19.46		ug/Kg		79	33 - 123
Methoxychlor	ND		24.8	23.25		ug/Kg		94	19 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	98		38 - 148
DCB Decachlorobiphenyl (Surr)	130		37 - 151

Lab Sample ID: 570-48097-2 MSD
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: SB08-1.0-1.5
Prep Type: Total/NA
Prep Batch: 121673

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.8	21.00		ug/Kg		85	27 - 144	2	40
4,4'-DDE	ND		24.8	20.97		ug/Kg		84	28 - 141	2	32
4,4'-DDT	ND		24.8	21.09		ug/Kg		85	10 - 154	1	40
Aldrin	ND		24.8	19.50		ug/Kg		79	26 - 125	1	40
alpha-BHC	ND		24.8	17.23		ug/Kg		69	24 - 125	1	40
alpha-Chlordane	ND		24.8	19.67		ug/Kg		79	17 - 144	1	40
beta-BHC	ND		24.8	18.63		ug/Kg		75	28 - 125	1	39
delta-BHC	ND		24.8	8.204		ug/Kg		33	10 - 125	1	40
Dieldrin	ND		24.8	20.60		ug/Kg		83	19 - 145	2	39
Endosulfan I	ND		24.8	19.59		ug/Kg		79	25 - 125	1	39
Endosulfan II	ND		24.8	20.32		ug/Kg		82	13 - 142	2	40

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-48097-2 MSD
Matrix: Solid
Analysis Batch: 121981

Client Sample ID: SB08-1.0-1.5
Prep Type: Total/NA
Prep Batch: 121673

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan sulfate	ND		24.8	18.23		ug/Kg		73	14 - 126	4	38
Endrin	ND		24.8	22.99		ug/Kg		93	28 - 139	3	40
Endrin aldehyde	ND		24.8	19.64		ug/Kg		79	12 - 125	2	40
gamma-Chlordane	ND		24.8	20.21		ug/Kg		81	10 - 160	1	40
gamma-BHC	ND		24.8	17.74		ug/Kg		71	24 - 125	1	40
Heptachlor	ND		24.8	19.17		ug/Kg		77	19 - 127	1	40
Heptachlor epoxide	ND		24.8	19.70		ug/Kg		79	33 - 123	1	34
Methoxychlor	ND		24.8	23.55		ug/Kg		95	19 - 128	1	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*99*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*132*		*37 - 151*

Lab Sample ID: MB 570-121686/1-A
Matrix: Water
Analysis Batch: 121981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.014	ug/L		01/12/21 11:46	01/14/21 00:22	1
4,4'-DDE	ND		0.020	0.0085	ug/L		01/12/21 11:46	01/14/21 00:22	1
4,4'-DDT	ND		0.050	0.026	ug/L		01/12/21 11:46	01/14/21 00:22	1
Aldrin	ND		0.050	0.011	ug/L		01/12/21 11:46	01/14/21 00:22	1
alpha-BHC	ND		0.020	0.0095	ug/L		01/12/21 11:46	01/14/21 00:22	1
alpha-Chlordane	ND		0.020	0.0075	ug/L		01/12/21 11:46	01/14/21 00:22	1
beta-BHC	ND		0.020	0.0075	ug/L		01/12/21 11:46	01/14/21 00:22	1
Chlordane	ND		0.10	0.037	ug/L		01/12/21 11:46	01/14/21 00:22	1
delta-BHC	ND		0.020	0.0075	ug/L		01/12/21 11:46	01/14/21 00:22	1
Dieldrin	ND		0.050	0.012	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endosulfan I	ND		0.050	0.012	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endosulfan II	ND		0.050	0.011	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endosulfan sulfate	ND		0.050	0.014	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endrin	ND		0.020	0.010	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endrin aldehyde	ND		0.10	0.032	ug/L		01/12/21 11:46	01/14/21 00:22	1
Endrin ketone	ND		0.050	0.013	ug/L		01/12/21 11:46	01/14/21 00:22	1
gamma-Chlordane	ND		0.050	0.014	ug/L		01/12/21 11:46	01/14/21 00:22	1
gamma-BHC	ND		0.020	0.0070	ug/L		01/12/21 11:46	01/14/21 00:22	1
Heptachlor	ND		0.020	0.0075	ug/L		01/12/21 11:46	01/14/21 00:22	1
Heptachlor epoxide	ND		0.020	0.0080	ug/L		01/12/21 11:46	01/14/21 00:22	1
Methoxychlor	ND		0.050	0.020	ug/L		01/12/21 11:46	01/14/21 00:22	1
Toxaphene	ND		0.30	0.15	ug/L		01/12/21 11:46	01/14/21 00:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*20 - 139*	*01/12/21 11:46*	*01/14/21 00:22*	*1*
DCB Decachlorobiphenyl (Surr)	*129*		*20 - 154*	*01/12/21 11:46*	*01/14/21 00:22*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-121686/2-A
Matrix: Water
Analysis Batch: 121981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121686

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.250	0.2368		ug/L		95	52 - 165		
4,4'-DDE			0.250	0.2261		ug/L		90	52 - 150		
4,4'-DDT			0.250	0.2392		ug/L		96	15 - 169		
Aldrin			0.250	0.1954		ug/L		78	26 - 148		
alpha-BHC			0.250	0.2036		ug/L		81	53 - 151		
alpha-Chlordane			0.250	0.2049		ug/L		82	51 - 142		
beta-BHC			0.250	0.2113		ug/L		85	53 - 144		
delta-BHC			0.250	0.09519		ug/L		38	29 - 163		
Dieldrin			0.250	0.2342		ug/L		94	49 - 151		
Endosulfan I			0.250	0.2277		ug/L		91	43 - 144		
Endosulfan II			0.250	0.2342		ug/L		94	53 - 145		
Endosulfan sulfate			0.250	0.2058		ug/L		82	50 - 145		
Endrin			0.250	0.2629		ug/L		105	49 - 152		
Endrin aldehyde			0.250	0.2361		ug/L		94	35 - 145		
gamma-Chlordane			0.250	0.2296		ug/L		92	53 - 143		
gamma-BHC			0.250	0.2097		ug/L		84	57 - 143		
Heptachlor			0.250	0.2084		ug/L		83	30 - 148		
Heptachlor epoxide			0.250	0.2293		ug/L		92	54 - 148		
Methoxychlor			0.250	0.2681		ug/L		107	12 - 172		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*115*		*20 - 139*
DCB Decachlorobiphenyl (Surr)	*128*		*20 - 154*

Lab Sample ID: LCSD 570-121686/3-A
Matrix: Water
Analysis Batch: 121981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121686

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.250	0.2186		ug/L		87	52 - 165	8	27
4,4'-DDE			0.250	0.2055		ug/L		82	52 - 150	10	27
4,4'-DDT			0.250	0.2187		ug/L		87	15 - 169	9	27
Aldrin			0.250	0.1781		ug/L		71	26 - 148	9	61
alpha-BHC			0.250	0.1871		ug/L		75	53 - 151	8	34
alpha-Chlordane			0.250	0.1881		ug/L		75	51 - 142	9	25
beta-BHC			0.250	0.2020		ug/L		81	53 - 144	5	25
delta-BHC			0.250	0.08735		ug/L		35	29 - 163	9	26
Dieldrin			0.250	0.2160		ug/L		86	49 - 151	8	56
Endosulfan I			0.250	0.2099		ug/L		84	43 - 144	8	26
Endosulfan II			0.250	0.2171		ug/L		87	53 - 145	8	25
Endosulfan sulfate			0.250	0.1898		ug/L		76	50 - 145	8	25
Endrin			0.250	0.2411		ug/L		96	49 - 152	9	27
Endrin aldehyde			0.250	0.2184		ug/L		87	35 - 145	8	27
gamma-Chlordane			0.250	0.2097		ug/L		84	53 - 143	9	31
gamma-BHC			0.250	0.1937		ug/L		77	57 - 143	8	30
Heptachlor			0.250	0.1895		ug/L		76	30 - 148	9	45
Heptachlor epoxide			0.250	0.2115		ug/L		85	54 - 148	8	28
Methoxychlor			0.250	0.2431		ug/L		97	12 - 172	10	54

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 570-121686/3-A
Matrix: Water
Analysis Batch: 121981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121686

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	105		20 - 139
DCB Decachlorobiphenyl (Surr)	115		20 - 154

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-121671/1-A
Matrix: Solid
Analysis Batch: 121910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1221	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1232	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1242	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1248	ND		50	39	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1254	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1260	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1262	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 13:33	1
Aroclor-1268	ND		50	25	ug/Kg		01/12/21 10:22	01/13/21 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	97		25 - 126	01/12/21 10:22	01/13/21 13:33	1
DCB Decachlorobiphenyl (Surr)	94		20 - 155	01/12/21 10:22	01/13/21 13:33	1

Lab Sample ID: LCS 570-121671/4-A
Matrix: Solid
Analysis Batch: 121910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	96.97		ug/Kg		97	50 - 142		
Aroclor-1260			100	82.41		ug/Kg		82	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	99		25 - 126
DCB Decachlorobiphenyl (Surr)	97		20 - 155

Lab Sample ID: LCSD 570-121671/5-A
Matrix: Solid
Analysis Batch: 121910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	123.3		ug/Kg		123	50 - 142	24	30
Aroclor-1260			100	85.20		ug/Kg		85	50 - 150	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	103		25 - 126
DCB Decachlorobiphenyl (Surr)	101		20 - 155

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-48097-4 MS
Matrix: Solid
Analysis Batch: 121910

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 121671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.7	90.26		ug/Kg		91	20 - 175
Aroclor-1260	ND		99.7	86.83		ug/Kg		87	20 - 180

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*102*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*100*		*20 - 155*

Lab Sample ID: 570-48097-4 MSD
Matrix: Solid
Analysis Batch: 121910

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 121671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		98.9	84.78		ug/Kg		86	20 - 175	6	40
Aroclor-1260	ND		98.9	82.18		ug/Kg		83	20 - 180	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 126*
DCB Decachlorobiphenyl (Surr)	*99*		*20 - 155*

Lab Sample ID: MB 570-121686/1-A
Matrix: Water
Analysis Batch: 121910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.50	0.18	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1221	ND		0.50	0.18	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1232	ND		0.50	0.18	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1242	ND		0.50	0.18	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1248	ND		0.50	0.18	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1254	ND		0.50	0.31	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1260	ND		0.50	0.31	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1262	ND		0.50	0.31	ug/L		01/12/21 11:46	01/13/21 22:04	1
Aroclor-1268	ND		0.50	0.31	ug/L		01/12/21 11:46	01/13/21 22:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*111*		*20 - 139*	*01/12/21 11:46*	*01/13/21 22:04*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*20 - 154*	*01/12/21 11:46*	*01/13/21 22:04*	*1*

Lab Sample ID: LCS 570-121686/4-A
Matrix: Water
Analysis Batch: 121910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	1.00	1.290		ug/L		129	50 - 135
Aroclor-1260	1.00	1.021		ug/L		102	50 - 135

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-121686/4-A
Matrix: Water
Analysis Batch: 121910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121686

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*120*		*20 - 139*
DCB Decachlorobiphenyl (Surr)	*109*		*20 - 154*

Lab Sample ID: LCSD 570-121686/5-A
Matrix: Water
Analysis Batch: 121910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121686

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			1.00	1.092		ug/L		109	50 - 135	17	25
Aroclor-1260			1.00	0.9414		ug/L		94	50 - 135	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*110*		*20 - 139*
DCB Decachlorobiphenyl (Surr)	*101*		*20 - 154*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-123854/1-A
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		3.06	1.38	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Arsenic	ND		2.55	2.31	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Barium	ND		0.510	0.226	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Beryllium	ND		0.255	0.174	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Cadmium	ND		0.510	0.206	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Chromium	ND		1.02	0.179	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Cobalt	ND		1.02	0.232	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Copper	ND		1.02	0.517	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Lead	ND		5.10	0.987	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Molybdenum	ND		0.510	0.460	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Nickel	ND		0.510	0.438	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Selenium	ND		5.10	1.89	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Silver	ND		1.02	0.230	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Thallium	ND		5.10	1.51	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Vanadium	ND		1.02	0.175	mg/Kg		01/21/21 19:00	01/22/21 19:29	1
Zinc	ND		10.2	5.22	mg/Kg		01/21/21 19:00	01/22/21 19:29	1

Lab Sample ID: LCS 570-123854/2-A
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123854

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony			25.3	25.50		mg/Kg		101	80 - 120
Arsenic			25.3	25.35		mg/Kg		100	80 - 120
Barium			25.3	28.18		mg/Kg		112	80 - 120
Beryllium			25.3	25.24		mg/Kg		100	80 - 120
Cadmium			25.3	25.86		mg/Kg		102	80 - 120

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

Lab Sample ID: LCS 570-123854/2-A
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	25.3	26.31		mg/Kg		104	80 - 120
Cobalt	25.3	27.69		mg/Kg		110	80 - 120
Copper	25.3	27.67		mg/Kg		110	80 - 120
Lead	25.3	26.77		mg/Kg		106	80 - 120
Molybdenum	25.3	26.92		mg/Kg		107	80 - 120
Nickel	25.3	27.10		mg/Kg		107	80 - 120
Selenium	25.3	25.00		mg/Kg		99	80 - 120
Silver	12.6	12.65		mg/Kg		100	80 - 120
Thallium	25.3	27.43		mg/Kg		109	80 - 120
Vanadium	25.3	26.36		mg/Kg		104	80 - 120
Zinc	25.3	26.46		mg/Kg		105	80 - 120

Lab Sample ID: LCSD 570-123854/3-A
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	24.5	24.63		mg/Kg		100	80 - 120	3	20
Arsenic	24.5	22.81		mg/Kg		93	80 - 120	11	20
Barium	24.5	27.07		mg/Kg		110	80 - 120	4	20
Beryllium	24.5	24.44		mg/Kg		100	80 - 120	3	20
Cadmium	24.5	24.80		mg/Kg		101	80 - 120	4	20
Chromium	24.5	25.54		mg/Kg		104	80 - 120	3	20
Cobalt	24.5	26.54		mg/Kg		108	80 - 120	4	20
Copper	24.5	26.86		mg/Kg		110	80 - 120	3	20
Lead	24.5	25.87		mg/Kg		106	80 - 120	3	20
Molybdenum	24.5	26.01		mg/Kg		106	80 - 120	3	20
Nickel	24.5	26.03		mg/Kg		106	80 - 120	4	20
Selenium	24.5	26.25		mg/Kg		107	80 - 120	5	20
Silver	12.3	12.28		mg/Kg		100	80 - 120	3	20
Thallium	24.5	26.98		mg/Kg		110	80 - 120	2	20
Vanadium	24.5	25.54		mg/Kg		104	80 - 120	3	20
Zinc	24.5	25.22		mg/Kg		103	80 - 120	5	20

Lab Sample ID: 570-48097-4 MS
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 123854

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		26.3	21.64		mg/Kg		82	50 - 115
Arsenic	ND		26.3	24.93		mg/Kg		95	75 - 125
Barium	53.9	F1	26.3	89.48	F1	mg/Kg		135	75 - 125
Beryllium	ND		26.3	26.00		mg/Kg		99	75 - 125
Cadmium	ND		26.3	25.18		mg/Kg		96	75 - 125
Chromium	1.34		26.3	27.72		mg/Kg		100	75 - 125
Cobalt	1.75		26.3	28.43		mg/Kg		101	75 - 125
Copper	0.585	J	26.3	27.54		mg/Kg		102	75 - 125
Lead	ND		26.3	26.53		mg/Kg		101	75 - 125
Molybdenum	ND		26.3	25.49		mg/Kg		97	75 - 125

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

Lab Sample ID: 570-48097-4 MS
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 123854

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.529		26.3	26.69		mg/Kg		99	75 - 125
Selenium	ND		26.3	22.05		mg/Kg		84	75 - 125
Silver	ND		13.2	12.64		mg/Kg		96	75 - 125
Thallium	ND		26.3	26.89		mg/Kg		102	75 - 125
Vanadium	7.46		26.3	35.67		mg/Kg		107	75 - 125
Zinc	9.10	J	26.3	36.47		mg/Kg		104	75 - 125

Lab Sample ID: 570-48097-4 MSD
Matrix: Solid
Analysis Batch: 124424

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 123854

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		25.0	21.35		mg/Kg		85	50 - 115	1	20
Arsenic	ND		25.0	23.26		mg/Kg		93	75 - 125	7	20
Barium	53.9	F1	25.0	85.06		mg/Kg		125	75 - 125	5	20
Beryllium	ND		25.0	24.74		mg/Kg		99	75 - 125	5	20
Cadmium	ND		25.0	24.15		mg/Kg		97	75 - 125	4	20
Chromium	1.34		25.0	26.30		mg/Kg		100	75 - 125	5	20
Cobalt	1.75		25.0	27.44		mg/Kg		103	75 - 125	4	20
Copper	0.585	J	25.0	26.36		mg/Kg		103	75 - 125	4	20
Lead	ND		25.0	25.16		mg/Kg		101	75 - 125	5	20
Molybdenum	ND		25.0	24.40		mg/Kg		98	75 - 125	4	20
Nickel	0.529		25.0	25.62		mg/Kg		100	75 - 125	4	20
Selenium	ND		25.0	22.64		mg/Kg		91	75 - 125	3	20
Silver	ND		12.5	12.04		mg/Kg		96	75 - 125	5	20
Thallium	ND		25.0	24.96		mg/Kg		100	75 - 125	7	20
Vanadium	7.46		25.0	33.89		mg/Kg		106	75 - 125	5	20
Zinc	9.10	J	25.0	35.13		mg/Kg		104	75 - 125	4	20

Lab Sample ID: MB 570-123876/1-A
Matrix: Solid
Analysis Batch: 124119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.93	0.953	mg/Kg		01/21/21 20:00	01/22/21 14:53	1

Lab Sample ID: LCS 570-123876/2-A
Matrix: Solid
Analysis Batch: 124119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.3	23.86		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 570-123876/3-A
Matrix: Solid
Analysis Batch: 124119

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123876

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25.0	23.82		mg/Kg		95	80 - 120	0	20

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

Lab Sample ID: 570-48097-1 MS
Matrix: Solid
Analysis Batch: 124119

Client Sample ID: SB08-0-0.5
Prep Type: Total/NA
Prep Batch: 123876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.00	J	24.4	25.04		mg/Kg		90	75 - 125

Lab Sample ID: 570-48097-1 MSD
Matrix: Solid
Analysis Batch: 124119

Client Sample ID: SB08-0-0.5
Prep Type: Total/NA
Prep Batch: 123876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.00	J	24.5	26.57		mg/Kg		96	75 - 125	6	20

Lab Sample ID: MB 570-124075/1-A
Matrix: Water
Analysis Batch: 124522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0329	mg/L		01/22/21 14:40	01/25/21 13:51	1
Arsenic	ND		0.100	0.0181	mg/L		01/22/21 14:40	01/25/21 13:51	1
Barium	ND		0.0100	0.00308	mg/L		01/22/21 14:40	01/25/21 13:51	1
Beryllium	ND		0.0100	0.00252	mg/L		01/22/21 14:40	01/25/21 13:51	1
Cadmium	ND		0.0100	0.00210	mg/L		01/22/21 14:40	01/25/21 13:51	1
Chromium	0.01446	J	0.0500	0.00688	mg/L		01/22/21 14:40	01/25/21 13:51	1
Cobalt	ND		0.0500	0.00362	mg/L		01/22/21 14:40	01/25/21 13:51	1
Copper	ND		0.0500	0.00614	mg/L		01/22/21 14:40	01/25/21 13:51	1
Lead	ND		0.0500	0.00821	mg/L		01/22/21 14:40	01/25/21 13:51	1
Molybdenum	ND		0.0500	0.00509	mg/L		01/22/21 14:40	01/25/21 13:51	1
Nickel	ND		0.0500	0.00784	mg/L		01/22/21 14:40	01/25/21 13:51	1
Selenium	ND		0.100	0.0244	mg/L		01/22/21 14:40	01/25/21 13:51	1
Silver	ND		0.0100	0.00298	mg/L		01/22/21 14:40	01/25/21 13:51	1
Thallium	ND		0.0500	0.0161	mg/L		01/22/21 14:40	01/25/21 13:51	1
Vanadium	ND		0.0100	0.00297	mg/L		01/22/21 14:40	01/25/21 13:51	1
Zinc	ND		0.250	0.0682	mg/L		01/22/21 14:40	01/25/21 13:51	1

Lab Sample ID: LCS 570-124075/2-A
Matrix: Water
Analysis Batch: 124522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.4959		mg/L		99	80 - 120
Arsenic	0.500	0.4879		mg/L		98	80 - 120
Barium	0.500	0.5424		mg/L		108	80 - 120
Beryllium	0.500	0.4910		mg/L		98	80 - 120
Cadmium	0.500	0.4989		mg/L		100	80 - 120
Chromium	0.500	0.4687		mg/L		94	80 - 120
Cobalt	0.500	0.5203		mg/L		104	80 - 120
Copper	0.500	0.5101		mg/L		102	80 - 120
Lead	0.500	0.4981		mg/L		100	80 - 120
Molybdenum	0.500	0.4850		mg/L		97	80 - 120
Nickel	0.500	0.4693		mg/L		94	80 - 120
Selenium	0.500	0.4798		mg/L		96	80 - 120
Silver	0.250	0.2472		mg/L		99	80 - 120

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

Lab Sample ID: LCS 570-124075/2-A
Matrix: Water
Analysis Batch: 124522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.500	0.5108		mg/L		102	80 - 120
Vanadium	0.500	0.5037		mg/L		101	80 - 120
Zinc	0.500	0.5065		mg/L		101	80 - 120

Lab Sample ID: LCSD 570-124075/3-A
Matrix: Water
Analysis Batch: 124522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124075

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.500	0.4946		mg/L		99	80 - 120	0	20
Arsenic	0.500	0.4849		mg/L		97	80 - 120	1	20
Barium	0.500	0.5396		mg/L		108	80 - 120	1	20
Beryllium	0.500	0.4815		mg/L		96	80 - 120	2	20
Cadmium	0.500	0.4974		mg/L		99	80 - 120	0	20
Chromium	0.500	0.4606		mg/L		92	80 - 120	2	20
Cobalt	0.500	0.5073		mg/L		101	80 - 120	3	20
Copper	0.500	0.5069		mg/L		101	80 - 120	1	20
Lead	0.500	0.4985		mg/L		100	80 - 120	0	20
Molybdenum	0.500	0.4835		mg/L		97	80 - 120	0	20
Nickel	0.500	0.4518		mg/L		90	80 - 120	4	20
Selenium	0.500	0.4848		mg/L		97	80 - 120	1	20
Silver	0.250	0.2437		mg/L		97	80 - 120	1	20
Thallium	0.500	0.5051		mg/L		101	80 - 120	1	20
Vanadium	0.500	0.4931		mg/L		99	80 - 120	2	20
Zinc	0.500	0.5060		mg/L		101	80 - 120	0	20

Lab Sample ID: 570-48812-D-1-B MS
Matrix: Water
Analysis Batch: 124522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124075

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		0.500	0.5370		mg/L		107	72 - 132
Arsenic	ND		0.500	0.5261		mg/L		105	80 - 140
Barium	0.0215		0.500	0.5692		mg/L		110	87 - 123
Beryllium	ND		0.500	0.5243		mg/L		105	89 - 119
Cadmium	ND		0.500	0.5000		mg/L		100	82 - 124
Chromium	0.0480	J B	0.500	0.5475		mg/L		100	86 - 122
Cobalt	ND		0.500	0.4970		mg/L		99	83 - 125
Copper	ND		0.500	0.5092		mg/L		102	78 - 126
Lead	ND		0.500	0.5013		mg/L		100	84 - 120
Molybdenum	ND		0.500	0.5072		mg/L		101	78 - 126
Nickel	0.0119	J	0.500	0.5001		mg/L		98	84 - 120
Selenium	ND		0.500	0.5487		mg/L		110	79 - 127
Silver	ND		0.250	0.2577		mg/L		103	86 - 128
Thallium	ND		0.500	0.4910		mg/L		98	79 - 121
Vanadium	ND		0.500	0.5105		mg/L		102	88 - 118
Zinc	ND		0.500	0.5396		mg/L		108	89 - 131

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

Lab Sample ID: 570-48812-D-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124522 — **Prep Batch: 124075**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		0.500	0.5146		mg/L		103	72 - 132	4	10
Arsenic	ND		0.500	0.5233		mg/L		105	80 - 140	1	11
Barium	0.0215		0.500	0.5473		mg/L		105	87 - 123	4	6
Beryllium	ND		0.500	0.5060		mg/L		101	89 - 119	4	8
Cadmium	ND		0.500	0.4807		mg/L		96	82 - 124	4	7
Chromium	0.0480	J B	0.500	0.5220		mg/L		95	86 - 122	5	8
Cobalt	ND		0.500	0.4825		mg/L		97	83 - 125	3	7
Copper	ND		0.500	0.4907		mg/L		98	78 - 126	4	7
Lead	ND		0.500	0.4830		mg/L		97	84 - 120	4	7
Molybdenum	ND		0.500	0.4898		mg/L		98	78 - 126	3	7
Nickel	0.0119	J	0.500	0.4791		mg/L		93	84 - 120	4	7
Selenium	ND		0.500	0.5286		mg/L		106	79 - 127	4	9
Silver	ND		0.250	0.2492		mg/L		100	86 - 128	3	7
Thallium	ND		0.500	0.4731		mg/L		95	79 - 121	4	8
Vanadium	ND		0.500	0.4920		mg/L		98	88 - 118	4	7
Zinc	ND		0.500	0.5205		mg/L		104	89 - 131	4	8

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-123593/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 123735 — **Prep Batch: 123593**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		01/20/21 21:25	01/21/21 15:56	1

Lab Sample ID: LCS 570-123593/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 123735 — **Prep Batch: 123593**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.01055		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-123593/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 123735 — **Prep Batch: 123593**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.01067		mg/L		107	80 - 120	1	20

Lab Sample ID: 570-48465-AK-2-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 123735 — **Prep Batch: 123593**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.009616		mg/L		96	55 - 133

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-48465-AK-2-C MSD
Matrix: Water
Analysis Batch: 123735

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 123593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.009517		mg/L		95	55 - 133	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-123859/1-A
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0135	mg/Kg		01/21/21 19:00	01/25/21 11:38	1

Lab Sample ID: LCS 570-123859/2-A
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.820	0.8365		mg/Kg		102	85 - 121

Lab Sample ID: LCSD 570-123859/3-A
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123859

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.877	0.9041		mg/Kg		103	85 - 121	8	10

Lab Sample ID: 570-48097-4 MS
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 123859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.806	0.7425		mg/Kg		92	71 - 137

Lab Sample ID: 570-48097-4 MSD
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: SB08-4.5-5.0
Prep Type: Total/NA
Prep Batch: 123859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.877	0.8344		mg/Kg		95	71 - 137	12	14

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Analysis Batch: 121620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8260B	121635
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8260B	121635
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8260B	121635
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	8260B	121635
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8260B	121635
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8260B	121635
MB 570-121635/3-A	Method Blank	Total/NA	Solid	8260B	121635
LCS 570-121635/1-A	Lab Control Sample	Total/NA	Solid	8260B	121635
LCSD 570-121635/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	121635
570-48107-B-1-C MS	Matrix Spike	Total/NA	Solid	8260B	121635
570-48107-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	121635

Prep Batch: 121635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	5030C	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	5030C	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	5030C	
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	5030C	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	5030C	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	5030C	
MB 570-121635/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-121635/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-121635/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-48107-B-1-C MS	Matrix Spike	Total/NA	Solid	5030C	
570-48107-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Analysis Batch: 122268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-8	SB08-GW	Total/NA	Water	8260B	
570-48097-9	EB-010821	Total/NA	Water	8260B	
570-48097-16	SB05-GW	Total/NA	Water	8260B	
570-48097-17	TB-010821	Total/NA	Water	8260B	
MB 570-122268/9	Method Blank	Total/NA	Water	8260B	
LCS 570-122268/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-122268/5	Lab Control Sample Dup	Total/NA	Water	8260B	

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Prep Batch: 121672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	3546	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	3546	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	3546	
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	3546	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	3546	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	3546	
MB 570-121672/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-121672/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-121672/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-48097-6 MS	SB08-18.0-18.5	Total/NA	Solid	3546	
570-48097-6 MSD	SB08-18.0-18.5	Total/NA	Solid	3546	

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Analysis Batch: 121973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8270C	121672
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8270C	121672
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8270C	121672
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	8270C	121672
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8270C	121672
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8270C	121672
MB 570-121672/1-A	Method Blank	Total/NA	Solid	8270C	121672
LCS 570-121672/2-A	Lab Control Sample	Total/NA	Solid	8270C	121672
LCSD 570-121672/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	121672
570-48097-6 MS	SB08-18.0-18.5	Total/NA	Solid	8270C	121672
570-48097-6 MSD	SB08-18.0-18.5	Total/NA	Solid	8270C	121672

Prep Batch: 122222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	3510C	
MB 570-122222/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-122222/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-122222/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-48291-M-5-A MS	Matrix Spike	Total/NA	Water	3510C	
570-48291-M-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 122508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-122222/1-A	Method Blank	Total/NA	Water	8270C	122222
LCS 570-122222/2-A	Lab Control Sample	Total/NA	Water	8270C	122222
LCSD 570-122222/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	122222
570-48291-M-5-A MS	Matrix Spike	Total/NA	Water	8270C	122222
570-48291-M-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C	122222

Analysis Batch: 122877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	8270C	122222

GC VOA

Analysis Batch: 122181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-8	SB08-GW	Total/NA	Water	8015B	
570-48097-9	EB-010821	Total/NA	Water	8015B	
570-48097-16	SB05-GW	Total/NA	Water	8015B	
MB 570-122181/5	Method Blank	Total/NA	Water	8015B	
LCS 570-122181/3	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-122181/4	Lab Control Sample Dup	Total/NA	Water	8015B	
570-48154-D-5 MS	Matrix Spike	Total/NA	Water	8015B	
570-48154-D-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 122187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8015B	122237
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8015B	122237
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8015B	122237

GC VOA (Continued)

Analysis Batch: 122187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	8015B	122237
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8015B	122237
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8015B	122237
MB 570-122237/1-A	Method Blank	Total/NA	Solid	8015B	122237
LCS 570-122237/2-A	Lab Control Sample	Total/NA	Solid	8015B	122237
LCSD 570-122237/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	122237
570-48336-B-1-E MS	Matrix Spike	Total/NA	Solid	8015B	122237
570-48336-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	122237

Prep Batch: 122237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	5030C	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	5030C	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	5030C	
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	5030C	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	5030C	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	5030C	
MB 570-122237/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-122237/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-122237/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-48336-B-1-E MS	Matrix Spike	Total/NA	Solid	5030C	
570-48336-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

GC Semi VOA

Prep Batch: 121671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	3546	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	3546	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	3546	
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	3546	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	3546	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	3546	
MB 570-121671/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-121671/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 570-121671/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-121671/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
LCSD 570-121671/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	3546	
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	3546	
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	3546	
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	3546	

Prep Batch: 121673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-1	SB08-0-0.5	Total/NA	Solid	3546	
570-48097-2	SB08-1.0-1.5	Total/NA	Solid	3546	
570-48097-10	SB05-0-0.5	Total/NA	Solid	3546	
570-48097-11	SB05-1.0-1.5	Total/NA	Solid	3546	
570-48097-18 - RA	SB12-0-0.5	Total/NA	Solid	3546	
570-48097-20	SB04-0-0.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 121673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-21	SB04-1-1.5	Total/NA	Solid	3546	
570-48097-23	SB03-0-0.5	Total/NA	Solid	3546	
570-48097-24	SB03-1-1.5	Total/NA	Solid	3546	
570-48097-26	SB02-0-0.5	Total/NA	Solid	3546	
570-48097-27 - RA	SB02-1-1.5	Total/NA	Solid	3546	
570-48097-41	SB06-0-0.5	Total/NA	Solid	3546	
570-48097-42	SB06-1-1.5	Total/NA	Solid	3546	
570-48097-44	SB07-0-0.5	Total/NA	Solid	3546	
570-48097-45	SB07-1-1.5	Total/NA	Solid	3546	
MB 570-121673/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-121673/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-121673/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-48097-2 MS	SB08-1.0-1.5	Total/NA	Solid	3546	
570-48097-2 MSD	SB08-1.0-1.5	Total/NA	Solid	3546	

Prep Batch: 121686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	3510C	
MB 570-121686/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-121686/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-121686/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-121686/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 570-121686/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 121756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8081A	121671
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	8081A	121671
MB 570-121671/1-A	Method Blank	Total/NA	Solid	8081A	121671
LCS 570-121671/2-A	Lab Control Sample	Total/NA	Solid	8081A	121671
LCSD 570-121671/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	121671
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	8081A	121671
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	8081A	121671

Analysis Batch: 121910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8082	121671
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8082	121671
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8082	121671
570-48097-9	EB-010821	Total/NA	Water	8082	121686
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	8082	121671
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8082	121671
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8082	121671
MB 570-121671/1-A	Method Blank	Total/NA	Solid	8082	121671
MB 570-121686/1-A	Method Blank	Total/NA	Water	8082	121686
LCS 570-121671/4-A	Lab Control Sample	Total/NA	Solid	8082	121671
LCS 570-121686/4-A	Lab Control Sample	Total/NA	Water	8082	121686
LCSD 570-121671/5-A	Lab Control Sample Dup	Total/NA	Solid	8082	121671
LCSD 570-121686/5-A	Lab Control Sample Dup	Total/NA	Water	8082	121686
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	8082	121671
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	8082	121671

GC Semi VOA

Prep Batch: 121942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-8	SB08-GW	Total/NA	Water	3510C	
570-48097-9	EB-010821	Total/NA	Water	3510C	
570-48097-16	SB05-GW	Total/NA	Water	3510C	
MB 570-121942/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-121942/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-121942/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 121981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-1	SB08-0-0.5	Total/NA	Solid	8081A	121673
570-48097-2	SB08-1.0-1.5	Total/NA	Solid	8081A	121673
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8081A	121671
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8081A	121671
570-48097-9	EB-010821	Total/NA	Water	8081A	121686
570-48097-10	SB05-0-0.5	Total/NA	Solid	8081A	121673
570-48097-11	SB05-1.0-1.5	Total/NA	Solid	8081A	121673
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8081A	121671
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8081A	121671
570-48097-18 - RA	SB12-0-0.5	Total/NA	Solid	8081A	121673
570-48097-20	SB04-0-0.5	Total/NA	Solid	8081A	121673
570-48097-21	SB04-1-1.5	Total/NA	Solid	8081A	121673
570-48097-23	SB03-0-0.5	Total/NA	Solid	8081A	121673
570-48097-24	SB03-1-1.5	Total/NA	Solid	8081A	121673
570-48097-26	SB02-0-0.5	Total/NA	Solid	8081A	121673
570-48097-27 - RA	SB02-1-1.5	Total/NA	Solid	8081A	121673
570-48097-41	SB06-0-0.5	Total/NA	Solid	8081A	121673
570-48097-42	SB06-1-1.5	Total/NA	Solid	8081A	121673
570-48097-44	SB07-0-0.5	Total/NA	Solid	8081A	121673
570-48097-45	SB07-1-1.5	Total/NA	Solid	8081A	121673
MB 570-121673/1-A	Method Blank	Total/NA	Solid	8081A	121673
MB 570-121686/1-A	Method Blank	Total/NA	Water	8081A	121686
LCS 570-121673/2-A	Lab Control Sample	Total/NA	Solid	8081A	121673
LCS 570-121686/2-A	Lab Control Sample	Total/NA	Water	8081A	121686
LCSD 570-121673/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	121673
LCSD 570-121686/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	121686
570-48097-2 MS	SB08-1.0-1.5	Total/NA	Solid	8081A	121673
570-48097-2 MSD	SB08-1.0-1.5	Total/NA	Solid	8081A	121673

Analysis Batch: 122236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-8	SB08-GW	Total/NA	Water	8015B	121942
570-48097-9	EB-010821	Total/NA	Water	8015B	121942
570-48097-16	SB05-GW	Total/NA	Water	8015B	121942
MB 570-121942/1-A	Method Blank	Total/NA	Water	8015B	121942
LCS 570-121942/2-A	Lab Control Sample	Total/NA	Water	8015B	121942
LCSD 570-121942/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	121942

Prep Batch: 122737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	3550C	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 122737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	3550C	
570-48097-13 - RA	SB05-5.0-5.5	Total/NA	Solid	3550C	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	3550C	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	3550C	
MB 570-122737/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-122737/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-122737/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-48367-A-10-B MS	Matrix Spike	Total/NA	Solid	3550C	
570-48367-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 122860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	8015B	122737
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	8015B	122737
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	8015B	122737
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	8015B	122737
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	8015B	122737
MB 570-122737/1-A	Method Blank	Total/NA	Solid	8015B	122737
LCS 570-122737/2-A	Lab Control Sample	Total/NA	Solid	8015B	122737
LCSD 570-122737/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	122737
570-48367-A-10-B MS	Matrix Spike	Total/NA	Solid	8015B	122737
570-48367-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	122737

Analysis Batch: 123135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-13 - RA	SB05-5.0-5.5	Total/NA	Solid	8015B	122737

Metals

Prep Batch: 123593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	7470A	
MB 570-123593/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-123593/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-123593/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-48465-AK-2-B MS	Matrix Spike	Total/NA	Water	7470A	
570-48465-AK-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 123735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-123593/1-A	Method Blank	Total/NA	Water	7470A	123593
LCS 570-123593/2-A	Lab Control Sample	Total/NA	Water	7470A	123593
LCSD 570-123593/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	123593
570-48465-AK-2-B MS	Matrix Spike	Total/NA	Water	7470A	123593
570-48465-AK-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	123593

Prep Batch: 123854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	3050B	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	3050B	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 123854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	3050B	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	3050B	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	3050B	
570-48097-44	SB07-0-0.5	Total/NA	Solid	3050B	
570-48097-45	SB07-1-1.5	Total/NA	Solid	3050B	
MB 570-123854/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-123854/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-123854/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	3050B	
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	3050B	

Prep Batch: 123859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	7471A	
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	7471A	
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	7471A	
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	7471A	
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	7471A	
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	7471A	
MB 570-123859/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-123859/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-123859/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	7471A	
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	7471A	

Prep Batch: 123876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-1	SB08-0-0.5	Total/NA	Solid	3050B	
570-48097-2	SB08-1.0-1.5	Total/NA	Solid	3050B	
570-48097-10	SB05-0-0.5	Total/NA	Solid	3050B	
570-48097-11	SB05-1.0-1.5	Total/NA	Solid	3050B	
570-48097-20	SB04-0-0.5	Total/NA	Solid	3050B	
570-48097-21	SB04-1-1.5	Total/NA	Solid	3050B	
570-48097-23	SB03-0-0.5	Total/NA	Solid	3050B	
570-48097-24	SB03-1-1.5	Total/NA	Solid	3050B	
570-48097-26	SB02-0-0.5	Total/NA	Solid	3050B	
570-48097-27	SB02-1-1.5	Total/NA	Solid	3050B	
570-48097-28	SB09-0-0.5	Total/NA	Solid	3050B	
570-48097-29	SB09-1-1.5	Total/NA	Solid	3050B	
570-48097-31	SB11-0-0.5	Total/NA	Solid	3050B	
570-48097-32	SB11-1-1.5	Total/NA	Solid	3050B	
570-48097-34	SB10-0-0.5	Total/NA	Solid	3050B	
570-48097-35	SB10-1-1.5	Total/NA	Solid	3050B	
570-48097-38	SB01-0-0.5	Total/NA	Solid	3050B	
570-48097-39	SB01-1-1.5	Total/NA	Solid	3050B	
570-48097-41	SB06-0-0.5	Total/NA	Solid	3050B	
570-48097-42	SB06-1-1.5	Total/NA	Solid	3050B	
MB 570-123876/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-123876/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-123876/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-48097-1 MS	SB08-0-0.5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 123876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-1 MSD	SB08-0-0.5	Total/NA	Solid	3050B	

Analysis Batch: 124035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	7470A	123593

Prep Batch: 124075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	3010A	
MB 570-124075/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-124075/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-124075/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-48812-D-1-B MS	Matrix Spike	Total/NA	Water	3010A	
570-48812-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 124119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-1	SB08-0-0.5	Total/NA	Solid	6010B	123876
570-48097-2	SB08-1.0-1.5	Total/NA	Solid	6010B	123876
570-48097-10	SB05-0-0.5	Total/NA	Solid	6010B	123876
570-48097-11	SB05-1.0-1.5	Total/NA	Solid	6010B	123876
570-48097-20	SB04-0-0.5	Total/NA	Solid	6010B	123876
570-48097-21	SB04-1-1.5	Total/NA	Solid	6010B	123876
570-48097-23	SB03-0-0.5	Total/NA	Solid	6010B	123876
570-48097-24	SB03-1-1.5	Total/NA	Solid	6010B	123876
570-48097-26	SB02-0-0.5	Total/NA	Solid	6010B	123876
570-48097-27	SB02-1-1.5	Total/NA	Solid	6010B	123876
570-48097-28	SB09-0-0.5	Total/NA	Solid	6010B	123876
570-48097-29	SB09-1-1.5	Total/NA	Solid	6010B	123876
570-48097-31	SB11-0-0.5	Total/NA	Solid	6010B	123876
570-48097-32	SB11-1-1.5	Total/NA	Solid	6010B	123876
570-48097-34	SB10-0-0.5	Total/NA	Solid	6010B	123876
570-48097-35	SB10-1-1.5	Total/NA	Solid	6010B	123876
570-48097-38	SB01-0-0.5	Total/NA	Solid	6010B	123876
570-48097-39	SB01-1-1.5	Total/NA	Solid	6010B	123876
570-48097-41	SB06-0-0.5	Total/NA	Solid	6010B	123876
570-48097-42	SB06-1-1.5	Total/NA	Solid	6010B	123876
MB 570-123876/1-A	Method Blank	Total/NA	Solid	6010B	123876
LCS 570-123876/2-A	Lab Control Sample	Total/NA	Solid	6010B	123876
LCSD 570-123876/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	123876
570-48097-1 MS	SB08-0-0.5	Total/NA	Solid	6010B	123876
570-48097-1 MSD	SB08-0-0.5	Total/NA	Solid	6010B	123876

Analysis Batch: 124413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	7471A	123859
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	7471A	123859
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	7471A	123859
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	7471A	123859
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	7471A	123859
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	7471A	123859

Metals (Continued)

Analysis Batch: 124413 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-123859/1-A	Method Blank	Total/NA	Solid	7471A	123859
LCS 570-123859/2-A	Lab Control Sample	Total/NA	Solid	7471A	123859
LCSD 570-123859/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	123859
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	7471A	123859
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	7471A	123859

Analysis Batch: 124424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-4	SB08-4.5-5.0	Total/NA	Solid	6010B	123854
570-48097-5	SB08-9.5-10.0	Total/NA	Solid	6010B	123854
570-48097-6	SB08-18.0-18.5	Total/NA	Solid	6010B	123854
570-48097-13	SB05-5.0-5.5	Total/NA	Solid	6010B	123854
570-48097-14	SB05-9.5-10.0	Total/NA	Solid	6010B	123854
570-48097-15	SB05-14.0-14.5	Total/NA	Solid	6010B	123854
570-48097-44	SB07-0-0.5	Total/NA	Solid	6010B	123854
570-48097-45	SB07-1-1.5	Total/NA	Solid	6010B	123854
MB 570-123854/1-A	Method Blank	Total/NA	Solid	6010B	123854
LCS 570-123854/2-A	Lab Control Sample	Total/NA	Solid	6010B	123854
LCSD 570-123854/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	123854
570-48097-4 MS	SB08-4.5-5.0	Total/NA	Solid	6010B	123854
570-48097-4 MSD	SB08-4.5-5.0	Total/NA	Solid	6010B	123854

Analysis Batch: 124522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	6010B	124075
MB 570-124075/1-A	Method Blank	Total/NA	Water	6010B	124075
LCS 570-124075/2-A	Lab Control Sample	Total/NA	Water	6010B	124075
LCSD 570-124075/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	124075
570-48812-D-1-B MS	Matrix Spike	Total/NA	Water	6010B	124075
570-48812-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	124075

Analysis Batch: 124719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48097-9	EB-010821	Total/NA	Water	6010B	124075

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB08-0-0.5

Date Collected: 01/08/21 08:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.99 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 06:31	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.03 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:08	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB08-1.0-1.5

Date Collected: 01/08/21 08:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.02 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 06:46	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.93 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:17	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB08-4.5-5.0

Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.01 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 15:22	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			19.92 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 15:44	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.08 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/14/21 22:08	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C			9.93 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B		1			122860	01/18/21 23:37	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.12 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121756	01/13/21 13:22	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3546			20.12 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 15:02	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.90 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 19:50	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: SB08-4.5-5.0

Lab Sample ID: 570-48097-4

Date Collected: 01/08/21 08:50

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.57 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 11:43	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: SB08-9.5-10.0

Lab Sample ID: 570-48097-5

Date Collected: 01/08/21 10:00

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.13 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 15:50	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.04 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 16:02	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.01 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/14/21 22:32	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C			9.98 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B		1			122860	01/18/21 23:57	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.24 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 05:06	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3546			20.24 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 20:30	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 19:56	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 11:49	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: SB08-18.0-18.5

Lab Sample ID: 570-48097-6

Date Collected: 01/08/21 10:20

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.04 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 16:17	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.23 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 16:21	N8CZ	ECL 1
	Instrument ID: GCMSSS									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB08-18.0-18.5

Lab Sample ID: 570-48097-6

Date Collected: 01/08/21 10:20

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/14/21 22:55	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C			10.03 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B		1			122860	01/19/21 00:17	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			19.97 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 05:20	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3546			19.97 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 20:48	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.91 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 19:58	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 11:51	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: SB08-GW

Lab Sample ID: 570-48097-8

Date Collected: 01/08/21 11:00

Matrix: Water

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	122268	01/14/21 19:47	UX77	ECL 2
	Instrument ID: GCMST									
Total/NA	Analysis	8015B		1	5 mL	5 mL	122181	01/14/21 18:44	A9VE	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			528.4 mL	2.5 mL	121942	01/13/21 11:19	UFLU	ECL 1
Total/NA	Analysis	8015B		1			122236	01/14/21 22:02	N5Y3	ECL 1
	Instrument ID: GC50									

Client Sample ID: EB-010821

Lab Sample ID: 570-48097-9

Date Collected: 01/08/21 12:30

Matrix: Water

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	122268	01/14/21 19:19	UX77	ECL 2
	Instrument ID: GCMST									
Total/NA	Prep	3510C			1029.9 mL	2 mL	122222	01/14/21 10:27	H1SH	ECL 1
Total/NA	Analysis	8270C		1			122877	01/18/21 18:07	N8CZ	ECL 1
	Instrument ID: GCMSTT									
Total/NA	Analysis	8015B		1	5 mL	5 mL	122181	01/14/21 20:44	A9VE	ECL 2
	Instrument ID: GC24									

Client Sample ID: EB-010821

Lab Sample ID: 570-48097-9

Date Collected: 01/08/21 12:30

Matrix: Water

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			540.9 mL	2.5 mL	121942	01/13/21 11:19	UFLU	ECL 1
Total/NA	Analysis	8015B		1			122236	01/14/21 22:23	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3510C			1048.8 mL	5 mL	121686	01/12/21 11:47	PQS1	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 01:05	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3510C			1048.8 mL	5 mL	121686	01/12/21 11:47	PQS1	ECL 1
Total/NA	Analysis	8082		1			121910	01/14/21 00:27	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3010A			50 mL	50 mL	124075	01/22/21 14:40	TKQ6	ECL 1
Total/NA	Analysis	6010B		1			124719	01/26/21 12:19	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3010A			50 mL	50 mL	124075	01/22/21 14:40	TKQ6	ECL 1
Total/NA	Analysis	6010B		1			124522	01/25/21 15:05	UWCT	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	123593	01/20/21 21:25	TKQ6	ECL 1
Total/NA	Analysis	7470A		1			124035	01/22/21 15:31	MD3A	ECL 1
	Instrument ID: HG7									

Client Sample ID: SB05-0-0.5

Lab Sample ID: 570-48097-10

Date Collected: 01/08/21 12:20

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.94 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 07:00	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.99 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:20	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB05-1.0-1.5

Lab Sample ID: 570-48097-11

Date Collected: 01/08/21 12:25

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.11 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 11:53	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.00 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:23	UWCT	ECL 1
	Instrument ID: ICP9									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB05-5.0-5.5

Lab Sample ID: 570-48097-13

Date Collected: 01/08/21 13:15

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.16 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 16:45	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.28 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 16:40	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.01 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/14/21 23:19	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C	RA		10.03 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B	RA	2			123135	01/19/21 11:32	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			19.96 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121756	01/13/21 13:36	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3546			19.96 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 21:10	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 20:00	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.57 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 11:56	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: SB05-9.5-10.0

Lab Sample ID: 570-48097-14

Date Collected: 01/08/21 13:30

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.16 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 17:13	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			19.90 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 16:59	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.06 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/14/21 23:43	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C			10.19 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B		1			122860	01/19/21 00:59	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.19 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 05:35	UHHN	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB05-9.5-10.0

Lab Sample ID: 570-48097-14

Date Collected: 01/08/21 13:30

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.19 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 21:28	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 20:02	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 11:58	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: SB05-14.0-14.5

Lab Sample ID: 570-48097-15

Date Collected: 01/08/21 13:40

Matrix: Solid

Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.19 g	5 mL	121635	01/12/21 11:55	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	121620	01/12/21 17:40	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.11 g	2 mL	121672	01/12/21 10:27	F7UI	ECL 1
Total/NA	Analysis	8270C		1			121973	01/13/21 17:18	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.09 g	5 mL	122237	01/14/21 11:49	U1MC	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	122187	01/15/21 00:07	A9VE	ECL 2
	Instrument ID: GC1									
Total/NA	Prep	3550C			10.16 g	10.00 mL	122737	01/16/21 10:34	EM5C	ECL 1
Total/NA	Analysis	8015B		1			122860	01/19/21 01:19	N5Y3	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.18 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 05:49	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3546			20.18 g	10 mL	121671	01/12/21 10:22	F7UI	ECL 1
Total/NA	Analysis	8082		1			121910	01/13/21 21:45	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.07 g	100 mL	123854	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 20:04	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	123859	01/21/21 19:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			124413	01/25/21 12:00	MD3A	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB05-GW
Date Collected: 01/08/21 14:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	122268	01/14/21 20:14	UX77	ECL 2
	Instrument ID: GCMST									
Total/NA	Analysis	8015B		1	5 mL	5 mL	122181	01/14/21 19:09	A9VE	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			457.9 mL	2.5 mL	121942	01/13/21 11:19	UFLU	ECL 1
Total/NA	Analysis	8015B		1			122236	01/14/21 22:42	N5Y3	ECL 1
	Instrument ID: GC50									

Client Sample ID: TB-010821
Date Collected: 01/08/21 09:00
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	122268	01/14/21 18:52	UX77	ECL 2
	Instrument ID: GCMST									

Client Sample ID: SB12-0-0.5
Date Collected: 01/08/21 08:20
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RA		20.21 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A	RA	1			121981	01/14/21 13:06	UHHN	ECL 1
	Instrument ID: GC44									

Client Sample ID: SB04-0-0.5
Date Collected: 01/08/21 08:45
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.27 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 07:28	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.04 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:26	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB04-1-1.5
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.92 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 07:42	UHHN	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB04-1-1.5
Date Collected: 01/08/21 08:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:29	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB03-0-0.5
Date Collected: 01/08/21 09:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.14 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 07:57	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.00 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:32	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB03-1-1.5
Date Collected: 01/08/21 10:10
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.93 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 08:11	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.06 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:43	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB02-0-0.5
Date Collected: 01/08/21 10:25
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.92 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 11:39	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.01 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:46	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB02-1-1.5
Date Collected: 01/08/21 10:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RA		20.29 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A	RA	1			121981	01/14/21 12:51	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.06 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:49	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB09-0-0.5
Date Collected: 01/08/21 13:55
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.95 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:52	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB09-1-1.5
Date Collected: 01/08/21 14:15
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.94 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:56	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB11-0-0.5
Date Collected: 01/08/21 14:30
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 15:59	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB11-1-1.5
Date Collected: 01/08/21 14:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:02	UWCT	ECL 1
	Instrument ID: ICP9									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB10-0-0.5
Date Collected: 01/08/21 14:50
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:06	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB10-1-1.5
Date Collected: 01/08/21 14:55
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:09	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB01-0-0.5
Date Collected: 01/08/21 11:35
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:12	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB01-1-1.5
Date Collected: 01/08/21 11:40
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:21	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB06-0-0.5
Date Collected: 01/08/21 13:05
Date Received: 01/11/21 19:50

Lab Sample ID: 570-48097-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.14 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 12:21	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.08 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:24	UWCT	ECL 1
	Instrument ID: ICP9									

Lab Chronicle

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Client Sample ID: SB06-1-1.5

Lab Sample ID: 570-48097-42

Date Collected: 01/08/21 13:10
Matrix: Solid
Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.14 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 12:36	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.00 g	100 mL	123876	01/21/21 20:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			124119	01/22/21 16:44	UWCT	ECL 1
	Instrument ID: ICP9									

Client Sample ID: SB07-0-0.5

Lab Sample ID: 570-48097-44

Date Collected: 01/08/21 13:30
Matrix: Solid
Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.07 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 08:25	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.00 g	100 mL	123854	01/21/21 20:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 20:05	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: SB07-1-1.5

Lab Sample ID: 570-48097-45

Date Collected: 01/08/21 13:40
Matrix: Solid
Date Received: 01/11/21 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.16 g	10 mL	121673	01/12/21 10:29	F7UI	ECL 1
Total/NA	Analysis	8081A		1			121981	01/14/21 08:39	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.93 g	100 mL	123854	01/21/21 20:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			124424	01/22/21 20:07	ULPF	ECL 1
	Instrument ID: ICP8									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Bodhi Group Inc The
Project/Site: Ramona Bridge

Job ID: 570-48097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-48097-1	SB08-0-0.5	Solid	01/08/21 08:30	01/11/21 19:50	
570-48097-2	SB08-1.0-1.5	Solid	01/08/21 08:35	01/11/21 19:50	
570-48097-4	SB08-4.5-5.0	Solid	01/08/21 08:50	01/11/21 19:50	
570-48097-5	SB08-9.5-10.0	Solid	01/08/21 10:00	01/11/21 19:50	
570-48097-6	SB08-18.0-18.5	Solid	01/08/21 10:20	01/11/21 19:50	
570-48097-8	SB08-GW	Water	01/08/21 11:00	01/11/21 19:50	
570-48097-9	EB-010821	Water	01/08/21 12:30	01/11/21 19:50	
570-48097-10	SB05-0-0.5	Solid	01/08/21 12:20	01/11/21 19:50	
570-48097-11	SB05-1.0-1.5	Solid	01/08/21 12:25	01/11/21 19:50	
570-48097-13	SB05-5.0-5.5	Solid	01/08/21 13:15	01/11/21 19:50	
570-48097-14	SB05-9.5-10.0	Solid	01/08/21 13:30	01/11/21 19:50	
570-48097-15	SB05-14.0-14.5	Solid	01/08/21 13:40	01/11/21 19:50	
570-48097-16	SB05-GW	Water	01/08/21 14:00	01/11/21 19:50	
570-48097-17	TB-010821	Water	01/08/21 09:00	01/11/21 19:50	
570-48097-18	SB12-0-0.5	Solid	01/08/21 08:20	01/11/21 19:50	
570-48097-20	SB04-0-0.5	Solid	01/08/21 08:45	01/11/21 19:50	
570-48097-21	SB04-1-1.5	Solid	01/08/21 08:50	01/11/21 19:50	
570-48097-23	SB03-0-0.5	Solid	01/08/21 09:25	01/11/21 19:50	
570-48097-24	SB03-1-1.5	Solid	01/08/21 10:10	01/11/21 19:50	
570-48097-26	SB02-0-0.5	Solid	01/08/21 10:25	01/11/21 19:50	
570-48097-27	SB02-1-1.5	Solid	01/08/21 10:50	01/11/21 19:50	
570-48097-28	SB09-0-0.5	Solid	01/08/21 13:55	01/11/21 19:50	
570-48097-29	SB09-1-1.5	Solid	01/08/21 14:15	01/11/21 19:50	
570-48097-31	SB11-0-0.5	Solid	01/08/21 14:30	01/11/21 19:50	
570-48097-32	SB11-1-1.5	Solid	01/08/21 14:35	01/11/21 19:50	
570-48097-34	SB10-0-0.5	Solid	01/08/21 14:50	01/11/21 19:50	
570-48097-35	SB10-1-1.5	Solid	01/08/21 14:55	01/11/21 19:50	
570-48097-38	SB01-0-0.5	Solid	01/08/21 11:35	01/11/21 19:50	
570-48097-39	SB01-1-1.5	Solid	01/08/21 11:40	01/11/21 19:50	
570-48097-41	SB06-0-0.5	Solid	01/08/21 13:05	01/11/21 19:50	
570-48097-42	SB06-1-1.5	Solid	01/08/21 13:10	01/11/21 19:50	
570-48097-44	SB07-0-0.5	Solid	01/08/21 13:30	01/11/21 19:50	
570-48097-45	SB07-1-1.5	Solid	01/08/21 13:40	01/11/21 19:50	

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570-48097 Chain of Custody

CHAIN-OF-CUSTODY RECORD

Date 1/8/21
Page 1 of 5

LABORATORY CLIENT: AECOM	CLIENT PROJECT NAME / NO.: 13th street Bridge / 60562978
ADDRESS: 401 W. A Street, Suite 1200	P O NO.:
CITY: San Diego STATE: CA ZIP: 92101	PROJECT CONTACT: Sarah Perhala
TEL: 619-610-7750	LAB CONTACT OR QUOTE NO.:
E-MAIL: Sarah.Perhala@aecom.com	GLOBAL ID:
	LOG CODE:
	SAMPLER(S): (PRINT) [initials]

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

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

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

LAB USE ONLY	SAMPLE ID	DATE	TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☒ GRO (8015)	☐ TPH(d) ☒ DRO (8015)	TPH ☐ C6-C36 ☐ C6-C44	TPH ORO (8015)	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X (CAM17)	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead (6010)			
1	SB08-0-0.5	1/8/21	0830	Soil	1													X					X			
2	SB08-1.0-1.5	↓	0835	↓	1													X					X			
3	SB08-2.5-3.0	↓	0840	↓	1													~~X~~ [initials]					~~X~~ [initials]	Hold		
4	SB08-4.5-5.0	↓	0850	↓	3				X	X		X		X			X	X	X		X					
5	SB08-9.5-10.0	↓	1000	↓	3				X	X		X		X			X	X	X		X					
6	SB08-18.0-18.5	↓	1020	↓	3				X	X		X		X			X	X	X		X					
7	SB08-19.5-20.0	↓	1030	↓	3				~~X~~	~~X~~		~~X~~		~~X~~			~~X~~	~~X~~	~~X~~		~~X~~ [initials]			Hold		
8	SB08-GW	↓	1100	Water	7				X	X		X		X												
9	EB-010821	↓	1230	"	14				X	X		X		X			X	X	X		X		X			
10	SB05-0-0.5	↓	1220	Soil	1													X					X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	1-8-21	1800
Relinquished by: (Signature) [signature]	Received by: (Signature/Affiliation) [signature] EQ	1-11-21	1400
Relinquished by: (Signature) [signature]	Received by: (Signature/Affiliation) [signature]	01/11/21	1950

3.9/3.1, 4.1/3.3, 3.1/2.3 SCG

2016-04-01-Revision

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CHAIN-OF-CUSTODY RECORD

Date 1/8/21
Page 2 of 5

WO NO. / LAB USE ONLY

LABORATORY CLIENT: AECOM
ADDRESS: 401 W. A street Suite 1200
CITY: San Diego STATE: CA ZIP: 92101
TEL: 619 610 7750 E-MAIL: Sarah.perhala@aecom.com

CLIENT PROJECT NAME / NO.: 13th Street Bridge / 60562978
PO NO.:
PROJECT CONTACT: Sarah Perhala
LAB CONTACT OR QUOTE NO:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) BJL

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

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO 8015	TPH(d) ☐ DRO 8015	TPH ☐ C6-C36 ☐ C6-C44	TPH 8015	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	total lead (6010)			
11	SB05-1.0-1.5	1/8/21	1225	Soil	1													X					X			
12	SB05-2.5-3.0		1250		1																			Hold		
13	SB05-5.0-5.5		1315		1				X	X		X		X			X	X	X		X					
14	SB05-9.5-10.0		1330		3				X	X		X		X			X	X	X		X					
	~~SB05-14.0-14.5~~ Bre		1340		3				~~X~~	~~X~~		~~X~~		~~X~~			~~X~~	~~X~~	~~X~~		~~X~~	Bre				
15	SB05-14.0-14.5		1340		3				X	X		X		X			X	X	X		X					
16	SB05-GW		1400	water	7				X	X		X		X												
17	TB-010821		0900	"	3									X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1-8-20	Time: 1800
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EQ	Date: 1-11-20	Time: 1400
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 01/11/21	Time: 1950

2016-04-01-Revision

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CHAIN-OF-CUSTODY RECORD

Date 1-8-21
Page 3 of 5

LABORATORY CLIENT: AECOM
ADDRESS: 401 W. A Street, Suite 1200
CITY: San Diego STATE: CA ZIP: 92101
TEL: 619-610-7750 E-MAIL: Sarah.Perhala@aecom.com

CLIENT PROJECT NAME / NO: 13th Street Bridge / 60562978
PROJECT CONTACT: Saran Perhala
P O. NO.
LAB CONTACT OR QUOTE NO:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT): MC

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

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS.

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

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Total Lead (EPA 6010)			HOLD
18	SB12-0-0.5	1-8-21	0820	S	1	/												X								
19	SB12-1-1.5		0830		1	/												X								X
20	SB04-0-0.5		0845		1	/												X					X			
21	SB04-1-1.5		0850		1	/												X					X			
22	SB04-2.5-3		0855		1	/												X					X			X
23	SB03-0-0.5		0925		1	/												X					X			
24	SB03-1-1.5		1010		1	/												X					X			
25	SB03-2.5-3		1015		1	/												X					X			X
26	SB02-0-0.5		1025		1	/												X					X			
27	SB02-1-1.5		1050		1	/												X					X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1-8-21	Time: 1800
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EQ	Date: 1-11-21	Time: 1400
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 01/11/21	Time: 1950

2016-04-01-Revision

48097

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WO NO. / LAB USE ONLY

CHAIN-OF-CUSTODY RECORD

Date 1-8-21
Page 4 of 5

LABORATORY CLIENT: AECOM
ADDRESS: 401 W. A Street, Suite 1200
CITY: San Diego STATE: CA ZIP: 92101
TEL. (619-610-7750 E-MAIL: Sarah.Perhala@aecom.com

CLIENT PROJECT NAME / NO.: 13th St. Bridge / 60562978
PROJECT CONTACT: Sarah Perhala
P O NO:
LAB CONTACT OR QUOTE NO:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) MC

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

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Total Lead (EPA 6010)			HOLD
28	SB09-0-0.5	1-8-21	1355	S	1	/																	X			
29	SB09-1-1.5		1415		1	/																	X			
30	SB09-2.5-3		1420		1	/																	X			X
31	SB11-0-0.5		1430		1	/																	X			
32	SB11-1-1.5		1435		1	/																	X			
33	SB11-2.5-3		1440		1	/																	X			X
34	SB10-0-0.5		1450		1	/																	X			
35	SB10-1-1.5		1455		1	/																	X			
36	SB10-2.5-3		1500		1	/																	X			X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1-8-21	Time: 1800
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EQ	Date: 1-11-21	Time: 1400
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2016-04-01-Revision

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CHAIN-OF-CUSTODY RECORD

Date 1-8-21
Page 5 of 5

WO NO. / LAB USE ONLY

LABORATORY CLIENT: AECOM
ADDRESS: 401 W. A Street, Suite 1200
CITY: San Diego STATE: CA ZIP: 92101
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CLIENT PROJECT NAME / NO.: 13th Street Bridge / 60562978
PROJECT CONTACT: Sarah Perhala
GLOBAL ID:
LOG CODE.
P.O. NO.
LAB CONTACT OR QUOTE NO:
SAMPLER(S): (PRINT) MC

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

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Total Lead (EPA 6010)			HOLD
37	SB02-2.5-3	1/8/21	1055	S	1	/												X					X			X
38	SB01-0-0.5		1135		1	/																	X			
39	SB01-1-1.5		1140		1	/																	X			
40	SB01-2.5-3		1145		1	/																	X			X
41	SB06-0-0.5		1305		1	/												X					X			
42	SB06-1-1.5		1310		1	/												X					X			
43	SB06-2.5-3		1315		1	/												X					X			X
44	SB07-0-0.5		1330		1	/												X					X			
45	SB07-1-1.5		1340		1	/												X					X			
46	SB07-2.5-3	↓	1345	↓	1	/												X					X			X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 1-8-21	Time: 1800
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EA	Date: 1-11-21	Time: 1400
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 01/11/21	Time: 1950

2016-04-01-Revision

Login Sample Receipt Checklist

Client: Bodhi Group Inc The

Job Number: 570-48097-1

Login Number: 48097
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

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

Appendix G

Data Validation Memorandum

AECOM

Data Validation Memorandum

999 W Town and Country Road
Orange, CA 92868

TO: Sarah Perhala **FILE:** 60562978

FROM: Lily Bayati, Senior Project Chemist **SITE:** 13th Street Bridge

DATE: February 26, 2021

SUBJECT: Summary of Limited Data Validation for Eurofins Calscience Report: 570-48097

Introduction

This report summarizes the findings of the limited data validation (level 2) of 29 soil samples, 2 water samples, 1 equipment blank, and 1 trip blank. These samples were collected on January 8, 2021 as part of the 13th Street Bridge (Ramona Bridge) Environmental Studies. Eurofins Calscience Laboratories in Garden Grove, California performed all analyses. The samples are listed in Table 1 included at the end of this document. The data were reviewed in accordance with Test Methods for Evaluating Solid Waste Physical/Chemical Methods (USEPA SW-846), and the principles presented in *USEPA CLP National Functional Guidelines for Superfund Organics Methods Data Review* (EPA 2017), and *USEPA CLP National Functional Guidelines for Superfund Inorganics Methods Data Review* (EPA 2017).

Executive Summary

All samples were analyzed as requested and all holding times were met. Due to matrix interference, the results for 2,6-dichlorophenol, aniline, pyridine, benzoic acid, and barium for 1 sample were qualified as estimated ("UJ/J+"); and the result for 2,4-dinitrophenol for 1 sample was rejected ("R"). No other data were qualified. Overall, based on this limited validation covering the QC parameters listed below, with the exception of the rejected data, the data as qualified are useable for their intended purpose.

Data Review Narratives

Twenty-nine soil samples 2, water samples and 1 equipment blank were collectively analyzed for volatile organic compounds (VOCs; EPA method 8260B), semivolatile organic compounds (SVOCs; EPA method 8270C), total metals (EPA method 6010B), gasoline range organics (C4-C12; EPA method 8015B), diesel range organics (C13-C44 carbon range; EPA method 8015B), organochlorine pesticides (EPA method 8081A), PCBs (EPA method 8082), metals (EP method 6010B), and mercury (EPA method 7471A). In addition, 1 trip blank was analyzed for VOCs (EPA method 8260B). The laboratory data were reviewed to evaluate compliance with these methods and the quality of the data reported. This data review process did not include result recalculation or transcription error checking from the raw data. The following summarizes the results of this review.

The areas of review are listed below. A check mark (✓) indicates an area of review in which all data were acceptable. A crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Data Completeness
- ✓ Holding Times and Preservation
- ✓ Blanks
- ✓ System Monitoring Compounds (Surrogates)

✓ Laboratory Control Samples (LCSs)
⊗ Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
✓ Analyte Identification and Quantitation

1. Overall Assessment
With the exception of the rejected data, the data reported in this package as qualified, are considered to be usable for meeting project objectives. All results are considered to be valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 99%. Additionally, because all samples in this data set were collected and analyzed under similar prescribed conditions, the data within this set are considered to be comparable.

2. Data Completeness
All analyses were performed as requested on the chain-of-custody (COC) forms. The laboratory reported all requested analyses and the deliverable data reports were complete.

3. Holding Times and Preservation
All analyses were performed within the method-specified holding times. In addition, all samples were collected and preserved appropriately.

4. Blanks
Method blanks were analyzed at the proper frequency for the number and types of samples analyzed. Target analytes were either not detected in the associated method blanks, equipment blank, and the trip blank or did not require data qualification.

5. System Monitoring Compounds (Surrogates)
Appropriate surrogate compounds were spiked into each sample for all applicable analyses. All surrogate recoveries were within laboratory's acceptance ranges.

6. Laboratory Control Samples (LCSs)
LCSs were prepared and analyzed at the proper frequency for all analyses. All LCS and LCS duplicate (LCSD) recoveries reported and relative percent differences (RPDs) between the results (for applicable analytical batches) were within the laboratory's acceptance ranges.

7. Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
All project specific MS/MSD recoveries reported and RPDs between the results were either within laboratory's statistically determined acceptance ranges or did not require data qualification with the exceptions listed in the following table. Batch or non-project MS/MSD data were not evaluated. In addition, MS/MSD recovery limits do not apply when the sample concentration is ≥ 4x the spike added (as indicated in *National Functional Guidelines*).

Sample	Analyte	MS/MSD %Recoveries	RPD	Qualified Samples	Qualifier
SB08-18.0-18.5	2,4-Dinitrophenol	0/ 0	NA	**SB08-18.0-18.5**	**R**
	2,6-Dichlorophenol	72/ 72	0	**SB08-18.0-18.5**	**UJ**
	Aniline	59/ 58	1		
	Pyridine	43/ 46	7		
	Benzoic Acid	33/ 0	NC		
SB08-4.5-5.0	Barium	135/ 125	5	**SB08-4.5-5.0**	**J+**
Notes: ND= Not Detected; NC= Not Calculated					

8. Analyte Identification and Quantitation
   All analytes reported and the detection limits obtained comply with project specifications. All dilutions were appropriate.

Table I
Eurofins Calscience

Client Sample ID	Matrix	SDG	Laboratory Number	Date Sampled
SB08-0-0.5	Soil	570-48097	570-48097-1	1/8/2021
SB08-1.0-1.5	Soil	570-48097	570-48097-2	1/8/2021
SB08-4.5-5.0	Soil	570-48097	570-48097-4	1/8/2021
SB08-9.5-10.0	Soil	570-48097	570-48097-5	1/8/2021
SB08-18.0-18.5	Soil	570-48097	570-48097-6	1/8/2021
SB08-GW	Water	570-48097	570-48097-8	1/8/2021
EB-010821 (Equipment Blank)	Water	570-48097	570-48097-9	1/8/2021
SB05-0-0.5	Soil	570-48097	570-48097-10	1/8/2021
SB05-1.0-1.5	Soil	570-48097	570-48097-11	1/8/2021
SB05-5.0-5.5	Soil	570-48097	570-48097-13	1/8/2021
SB05-9.5-10.0	Soil	570-48097	570-48097-14	1/8/2021
SB05-14.0-14.5	Soil	570-48097	570-48097-15	1/8/2021
SB05-GW	Water	570-48097	570-48097-16	1/8/2021
TB-010821 (Trip Blank)	Water	570-48097	570-48097-17	1/8/2021
SB12-0-0.5	Soil	570-48097	570-48097-18	1/8/2021
SB04-0-0.5	Soil	570-48097	570-48097-20	1/8/2021
SB04-1-1.5	Soil	570-48097	570-48097-21	1/8/2021
SB03-0-0.5	Soil	570-48097	570-48097-23	1/8/2021
SB03-1-1.5	Soil	570-48097	570-48097-24	1/8/2021
SB02-0-0.5	Soil	570-48097	570-48097-26	1/8/2021
SB02-1-1.5	Soil	570-48097	570-48097-27	1/8/2021
SB09-0-0.5	Soil	570-48097	570-48097-28	1/8/2021
SB09-1-1.5	Soil	570-48097	570-48097-29	1/8/2021
SB11-0-0.5	Soil	570-48097	570-48097-31	1/8/2021
SB11-1-1.5	Soil	570-48097	570-48097-32	1/8/2021
SB10-0-0.5	Soil	570-48097	570-48097-34	1/8/2021
SB10-1-1.5	Soil	570-48097	570-48097-35	1/8/2021
SB01-0-0.5	Soil	570-48097	570-48097-38	1/8/2021
SB01-1-1.5	Soil	570-48097	570-48097-39	1/8/2021
SB06-0-0.5	Soil	570-48097	570-48097-41	1/8/2021
SB06-1-1.5	Soil	570-48097	570-48097-42	1/8/2021
SB07-0-0.5	Soil	570-48097	570-48097-44	1/8/2021
SB07-1-1.5	Soil	570-48097	570-48097-45	1/8/2021

Note:
SDG= Sample Delivery Group

ATTACHMENT A
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS FOR ORGANIC AND INORGAANIC ANALYES

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

AECOM DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS

a Analytical sequence deficiency or omission.
b Gross compound breakdown (4,4'-DDT/Endrin).
c Calibration failure; poor or unstable response.
d Laboratory duplicate imprecision.
e Laboratory duplicate control sample imprecision.
f Field duplicate imprecision.
h holding time violation.
i Internal standard failure.
k Serial dilution imprecision.
l Laboratory control sample recovery failure.
m Matrix spike/matrix spike duplicate recovery failure.
n Interference check sample recovery failure.
o Calibration blank contamination (metals/inorganics only).
p Preparation blank contamination (metals/inorganics only).
q Quantitation outside linear range.
r Linearity failure in initial calibration.
s Surrogate spike recovery failure (GC organics and GC/MS organics only).
t Instrument tuning failure.
u No valid confirmation column (GC Organics only).
v Value is estimated below the MDA (Rads only).
w Retention time (RT) outside of RT window.
x Equipment blank contamination.
y Trip blank contamination.
z Method blank contamination.

INTERPRETATION KEY

The following example shows how an analytical result which includes qualifiers assigned by both the AECOM data review team and the analytical laboratory could be displayed in the data tables:

<5.20 Uz | JB

The qualifier assigned by the AECOM data review team precedes the "|"; the qualifier assigned by the laboratory follows it. In this example, the result is qualified as a non-detection data to the bias introduced by contamination of the associated method blank. Presence of the analyte in the method blank is indicated by the laboratory qualifier (B). The qualifier assigned by the AECOM data review team (Uz) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.

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