Appendix H
Phase II Environmental Site Assessment

Phase II Environmental Site Assessment

2828 and 2898 South Willow Avenue
and 322 West Jurupa Avenue,
Bloomington, California 92316

May 26, 2022

Stantec Project Number: 185805575

Prepared for:

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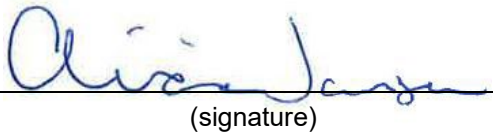
Reviewed by 
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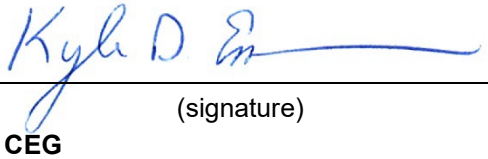
Approved by 
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Executive Summary

On behalf of Dedeaux Properties (Dedeaux), Stantec Consulting Services Inc. (Stantec) has prepared this Phase II Environmental Site Assessment (ESA) report for the property located at 2828 and 2898 South Willow Avenue and 322 West Jurupa Avenue, in the City of Bloomington, County of San Bernardino, California 92831 (the Property; Figure 1). The investigation was performed based on the scope of work set forth in Stantec's proposal entitled *Revised Proposal for Phase II Environmental Site Assessment*, dated April 28, 2022 and in accordance with the Master Services agreement between the Client and Stantec (the "MSA"). In the event of any conflict between this document and the MSA, the MSA will prevail. Dedeaux Properties (the "User") has been designated as the User of this report.

The Subject Property consists of three adjacent parcels of industrially and residentially developed land, located at 2828 South Willow Avenue, which is approximately 7.71 acres (Assessor's Parcel Number [APN]: 025-817-146), 2898 South Willow Avenue, which is approximately 4.24 acres (APN: 025-811-131), and 322 West Jurupa Avenue, which is approximately 2.25 acres (APN: 025-811-132), within the unincorporated area of Bloomington, California. Adjoining properties, as well as the nearby area, generally include residential and industrial properties. The following recognized environmental conditions (RECs) were identified during the Phase I ESA completed in August 2021, which essentially stated as follows:

- The majority of the Subject Property was historically utilized for agricultural purposes between the 1930s and 1970s. Application of pesticides and herbicides is considered likely to have occurred during this time period, potentially resulting in the accumulation of organochlorine pesticides (OCPs) and metals (lead and arsenic) common with herbicide application in shallow soils at the Subject Property. Therefore, historical agricultural use is considered a REC for the Subject Property in the areas of future planned land disturbance, but not in the areas where the paving and buildings will remain in their current condition. Stantec recommends performing a shallow soil investigation on the Subject Property to evaluate if OCPs or lead and or arsenic are present at concentrations of concern for commercial uses, work safety, or off-site disposal.

- During the site visit at 322 West Jurupa Avenue, a 200-gallon used oil above-ground storage tank (AST), a 250-gallon diesel fuel AST, and multiple containers of hazardous waste and unlabeled drums were observed. The used oil AST was heavily stained and the containers were observed in poor condition with staining and leaking observed. Additionally, poor housekeeping and evidence of heavy construction equipment maintenance was observed. Therefore, vehicle equipment maintenance and petroleum product use on the Subject Property is considered a REC. Stantec recommends performing a shallow soil and soil vapor assessment on the Subject Property in the locations of the ASTs and spills on the ground surface. Additionally, Stantec recommends disposal of the ASTs, drums, and any contained petroleum products in accordance with local and federal regulations prior to Site development activities.

- Multiple soil stockpiles of unknown origin were observed in the southeastern corner of the Subject Property. Given the unknown origin of the soil stockpiles and potential for unknown contaminants

the soil stockpiles are considered a REC. Stantec recommends that the stockpiles be sampled to evaluate for the presence of elevated concentrations of contaminants that may require special handling for off-Site disposal or impacts to the underlying soils.

- The California Department of Conservation Geologic Energy Management Division (CalGEM, formerly, the Division of Oil, Gas, and Geothermal Resources [DOGGR]) website (https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx) was searched to identify the potential existence of oil and gas production wells within the vicinity of the Subject Property. The nearest well appears to be located in the northeast corner of the Subject Property based on the CalGEM website. This well, "Dana 1", leased by John Brashears, was drilled beginning in 1949-1950 up to approximately 3,330 feet bgs. The oil well was never reported as a producing well and was abandoned by the 1960s. There are conflicting locations for this well between the original well log which places the well across south Willow to the east and off of the Property. It is therefore not clear where this well is actually located on or off of the Property. Given the location of the well potentially may exist in the northeastern corner of the Subject Property, this plugged dry hole is considered a REC. A methane survey and re-abandonment of plugged well will likely be required as well as a set-back for any proposed structures if the well is located on the Property. Therefore it is recommended to attempt to locate the well using geophysical survey methods.

Stantec also identified the following non-ASTM issues with the Property:

- **ACM and LBP.** Given the age of the existing buildings on the Property (between circa 1970s and 2000s), the presence of lead-based paint (LBP) and asbestos containing materials (ACMs) is considered likely. Stantec recommends conducting a comprehensive, pre-demolition LBP and ACM survey in accordance with the sampling protocol of the Asbestos Hazard Emergency Response Act (AHERA) prior to any activities with the potential to disturb building materials to determine whether ACM are present. Further, in the event ACM is detected, Stantec recommends proper removal and disposal of the materials identified prior to any activities with the potential to disturb them.

To investigate the RECs identified during the Phase I ESA, Stantec completed a Phase II investigation at the Subject Property on May 6 and 13, 2022, which included the following:

- A total of three soil samples (HA-1 through HA-3) were collected at 1.0 and 3.0 feet bgs for potential analysis of organochlorine pesticides (OCPs) by EPA Method 8081A, and heavy metals (arsenic and lead) by EPA Method 8260B. The 1-foot samples were submitted for analysis and the deeper soil samples (3-feet bgs) collected were placed on hold pending the analytical results of the shallow soil samples.

- A total of four soil samples and four soil vapor samples (SV-1 through SV-4) were collected in areas of auto service and previous violations indicating improper disposal and at the AST locations in the southern portion of the Subject Property. Soil samples were collected at 1.0 and 3.0 feet bgs for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015 and volatile organic compounds

(VOCs) by EPA Method 8260B. All soil borings were be converted into soil vapor probes at five (5) feet bgs.

- A total of eight composite soil samples (CS-1 through CS-8) were collected from the soil stockpiles and analysis of OCPs by 8081A, TPH by 8015, VOCs by 8260B, and CAM17 Metals by 6010B.

Laboratory analytical test results from this assessment are attached as Appendix A. A summary of the analytical data from this assessment is provided in Tables 1 through 3. The laboratory test results from this phase of investigation are discussed below and soil vapor results were compared to the more conservative value between the DTSC HERO Note 3 screening level for commercial sites (DTSC, 2020), and the USEPA RSLs for residential sites (USEPA, 2021), using both an AF of 0.03 and AF of 0.001. All soil boring locations and soil vapor data from this assessment is summarized on Figure 2.

Potential Former Oil Well

Stantec performed a magnotometer survey in the northeastern portion of the Subject Property to determine if the plugged oil well is within the Subject Property boundaries. Based on the results of the magnotometer survey, no evidence of a former oil well was found. Additionally, well logs obtained from CALGEM DOGGR indicate the that plugged oil well is located on the east side of South Willow Avenue, rather than on the Subject Property. Therefore, the results of the subsurface investigation support CALGEM DOGGR documentation that the oil well does not appear to be located on the Property, and no further assessment is necessary for this oil well.

Stantec advanced one Geoprobe® borings to approximately 10 feet bgs in the northeastern portion of the Subject Property within a gravel area between the building and street. The boring was converted into a dual nested soil gas probe (probes set at 5 and 10 feet bgs) to determine the presence, concentration, and pressure of subsurface methane gas.

Two sequential methane field measurements were be taken with a Landtec Landfill Meter GEM 5000 on May 12 and 13, 2022, following placement of the soil vapor probes. No detections of methane gases were reported during the field measurements.

Results from the mobile lab reported Methane at 1410 ppmv in SV-5-5 and 155 ppmv in SV-5-10 which is below the regulatory screening level of 5,000 ppmv.

Based on the absence of evidence of a former oil well on the Subject Property and methane soil gas results, the potential oil well is no longer considered a REC and no further assessment is warranted.

Soil Results

Historical Agricultural Use

There were no detections of OCPs reported above the laboratory reporting limits in any of the soil samples collected and submitted for analysis.

Lead was reported at concentrations ranging from 6.2 to 8.2 mg/kg. The reported lead concentrations were all below the residential screening level of 80 mg/kg (Table 1).

Arsenic was reported at concentrations ranging from 1.6 to 3.6 mg/kg. The reported arsenic concentrations were above the residential screening level of 0.41 mg/kg; however, the reported concentrations were within typical naturally-occurring southern California Background levels (Table 1).

Therefore, the historical agricultural use of the Subject Property does not represent a REC and no further assessment or action is recommended.

Auto Service Operations

No TPH as Gasoline Range Organic (GRO) or VOCs were reported above the laboratory reporting detection limit (*i.e.*, the results were "non-detect") in any soil samples analyzed from the auto service area (SV-1 through SV-4).

TPH as Diesel Range Organic (DRO) was reported at concentrations ranging from 29 to 520 milligrams per kilogram (mg/kg). One of the samples (SV-1-1) had a detection of 520 mg/kg which is above the ESL of 260 mg/kg. However, the sample from the deeper interval at three feet in depth at this location (SV-1-3) had a much lower TPH-DRO detection of 100 mg/kg, which is significantly lower than the ESL; therefore, the elevated TPH-DRO appears to be localized and not indicative of a release.

TPH as Oil Range Organic (ORO) was reported at concentrations ranging from 12 to 210 mg/kg which is well below the residential screening level of 2,400 mg/kg (Table 1).

Based on these results, auto service operations do not represent a REC and no further assessment or action is recommended.

Soil Stockpile

No OCPs, TPH-GRO, or VOCs were reported above the laboratory reporting detection limit (*i.e.*, the results were "non-detect") in any of the composite soil samples (CS-1 through CS-8). TPH-DRO was reported at concentrations ranging from 24 to 81 mg/kg which is below the residential screening level of 260 mg/kg. TPH-ORO was reported at concentrations ranging from 12 to 110 mg/kg which is well below the residential screening level of 2,400 mg/kg (Table 2).

Various metals were reported at concentrations below their corresponding regulatory screening levels. Lead was reported at concentrations ranging from 5.9 to 13 mg/kg, which is well below the residential screening level of 80 mg/kg. Arsenic was reported at concentrations ranging from 1.5 to 4 mg/kg which were above the residential screening level of 0.41 mg/kg; however, the reported concentrations were within typical naturally-occurring southern California Background levels (Table 3).

Therefore, the soil stockpiles do not represent a REC and no further assessment or action is recommended.

Soil Vapor Results

There were no detections of TPH-GRO or VOCs above their corresponding laboratory reporting limits, with the exception of one minor detection of toluene at 20 micrograms per cubic meter (ug/m^3). This detection is well below the residential screening level of 10,333 ug/m^3 when applying an attenuation factor of 0.03, which is not an official attenuation factor but which is sometimes consulted for guidance in screening a site (Table 3).

Results from the mobile lab reported Methane at 1410 ppmv in SV-5-5 and 155 ppmv in SV-5-10 which is below the regulatory screening level of 5,000 ppmv. Soil vapor samples collected from boring SV-5 were only analyzed for methane. The results of the soil vapor assessment did not identify evidence of an environmental concern at the Subject Property.

Conclusions and Recommendations

Based on the results of this investigation, no impacts were identified related to the historical agricultural use of the Property or auto service operations. Additionally, the composite soil samples collected from the soil stockpiles indicate there are no concentrations of reported chemical analytes that would require special handling for on-site use or off-site disposal. Therefore, historical agricultural use, auto service operations, and the soil stockpiles do not represent a RECs to the Property, and no further investigation is recommended.

Additionally, the data supports that the oil well does not appear to be located on the Property, and no further assessment is necessary for this oil well.

1.0 INTRODUCTION

On behalf of Dedeaux Properties, Stantec Consulting Services Inc. (Stantec) has prepared this Phase II Environmental Site Assessment (ESA) report for the property located 2828 and 2898 South Willow Avenue and 322 West Jurupa Avenue, in the City of Bloomington, County of San Bernardino, California 92831 (the Property; Figure 1). The investigation was performed in accordance with Stantec's proposal entitled *Revised Proposal for Phase II Environmental Site Assessment*, dated April 28, 2022 and in accordance with the Master Services agreement between the Client and Stantec (the "MSA"). In the event of any conflict between this document and the MSA, the MSA will prevail. Dedeaux Properties (the "User") has been designated as the User of this report.

1.1 PROPERTY DESCRIPTION AND LAND USE

The Subject Property consists of three adjacent parcels of industrially and residentially developed land, located at 2828 South Willow Avenue, which is approximately 7.71 acres (Assessor's Parcel Number [APN]: 025-817-146), 2898 South Willow Avenue, which is approximately 4.24 acres (APN: 025-811-131), and 322 West Jurupa Avenue, which is approximately 2.25 acres (APN: 025-811-132), within the unincorporated area of Bloomington, California. Adjoining properties, as well as the nearby area, generally include residential and industrial properties. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2.

1.2 PROPERTY GEOLOGY

The Property is located with the Upper Santa Ana Valley Groundwater Basin, Riverside-Arlington Subbasin (8-002.03). The Riverside-Arlington Subbasin is bound by impermeable Box Springs Mountains to the southeast, the Arlington Mountains to the south, La Sierra Heights and Mount Rubidoux to the northwest, Jurupa Mountains to the north, and the Rialto-Colton fault to the northeast (B118 Basin Boundary Description 2003 - 8_002_03 (ca.gov)).

The United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS), Web Soil Survey identifies the soils beneath the Subject Property as Hanford coarse sandy loam with 2-15 percent slopes, consisting of well drained, low runoff soils, with a typical soil profile comprised of sandy loam (0-12 inches), and fine sandy loam (12-60 inches), and a parent material of alluvium derived from granite; and Tujunga loamy sand with 0-5 percent slopes, consisting of somewhat excessively drained, very low runoff soils, with a typical soil profile comprised of loamy sand (0-60 inches), and a parent material of alluvium derived from granite (USDA, 2022).

According to California Department of Conservation's (DOC) Earthquake Zone Map (Department of Conservation Map Server (ca.gov), the Subject Property is not located within an Alquist-Priolo (AP) Earthquake Fault Zone boundary. The closest fault zone is located approximately three miles to the north of the Subject Property.

During the subsurface assessment performed by Stantec on the Property in May 2022, soils consist of mostly sand and silty sands to a depth of approximately 10 feet below ground surface (bgs), the maximum depth explored. No staining or odors were observed in any of the soil borings advanced on-site.

1.3 PROPERTY HYDROGEOLOGY

The Property is located with the Upper Santa Ana Valley Groundwater Basin, Riverside-Arlington Subbasin (8-002.03). The Santa Ana River is located over the northern part of the subbasin. Precipitation ranges from 10 to 14 inches per year. Predominant water-bearing materials are comprised of alluvial deposits from the Quaternary age that consist of sand, gravel, silt, and clay deposited by the Santa Ana River and associated tributaries. The Rialto-Colton fault is the main restrictive feature in the northeast, which is a barrier to groundwater and separates the Riverside-Arlington and Rialto-Colton Subbasins. Water recharge into the subbasin occurs through Santa Ana River percolation, underflow from the Rialto-Colton and Chino Subbasins, return irrigation flow, and deep percolation from precipitation (B118 Basin Boundary Description 2003 - 8_002_03 (ca.gov)).

Site specific groundwater investigations were not conducted during this ESA; however, according to a 2009 site closure report for a nearby site approximately 3,300 feet northeast of the Subject Property, groundwater was measured to be approximately 96-102 feet below ground surface (bgs) with a flow direction to the southwest (County of San Bernardino, 2009).

2.0 BACKGROUND

Stantec completed a Phase I ESA dated April 21, 2022. In this report, Stantec identified the following recognized environmental conditions (RECs) at the Property:

- The majority of the Subject Property was historically utilized for agricultural purposes between the 1930s and 1970s. Application of pesticides and herbicides is considered likely to have occurred during this time period, potentially resulting in the accumulation of organochlorine pesticides (OCPs) and metals (lead and arsenic) common with herbicide application in shallow soils at the Subject Property. Therefore, historical agricultural use is considered a REC for the Subject Property. Stantec recommends performing a shallow soil investigation on the Subject Property to evaluate if OCPs or lead and or arsenic are present at concentrations of concern for commercial uses, work safety, or off-site disposal.

- During the site visit at 322 West Jurupa Avenue, a 200-gallon used oil above-ground storage tank (AST), a 250-gallon diesel fuel AST, and multiple containers of hazardous waste and unlabeled drums were observed. The used oil AST was heavily stained and the containers were observed in poor condition with staining and leaking observed. Additionally, poor housekeeping and evidence of heavy construction equipment maintenance was observed. Therefore, vehicle equipment maintenance and petroleum product use on the Subject Property is considered a REC. Stantec recommends performing a shallow soil and soil vapor assessment on the Subject Property in the locations of the ASTs and spills on the ground surface. Additionally, Stantec recommends disposal of the ASTs, drums, and any contained petroleum products in accordance with local and federal regulations prior to Site development activities.

- Multiple soil stockpiles of unknown origin were observed in the southeastern corner of the Subject Property. Given the unknown origin of the soil stockpiles and potential for unknown contaminants the soil stockpiles are considered a REC. Stantec recommends that the stockpiles be sampled to evaluate for the presences of elevated concentrations of contaminants that may require special handling for off-Site disposal or impacts to the underlying soils.

- The California Department of Conservation Geologic Energy Management Division (CalGEM, formerly, the Division of Oil, Gas, and Geothermal Resources [DOGGR]) website (https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx) was searched to identify the potential existence of oil and gas production wells within the vicinity of the Subject Property. The nearest well appears to be located in the northeast corner of the Subject Property. This well, “Dana 1”, leased by John Brashears, was drilled beginning in 1949-1950 up to approximately 3,330 feet bgs. The oil well was never reported as a producing well and was abandoned by the 1960s. Given the location of the well on the northeastern corner of the Subject Property, this plugged dry hole is considered a REC. A methane survey and re-abandonment of plugged well will likely be required as well as a set-back for any proposed structures.

This assessment has revealed the following items of note in connection with the Subject Property:

- The structures on the Subject Property were constructed between the 1970s and 2000s. It is recommended that a lead-based paint and asbestos-containing materials survey be performed in accordance with applicable local and federal regulations prior to renovation activities.

To investigate the RECs, Stantec completed a Phase II investigation at the Property. The results of that investigation are presented in the following sections of this report.

3.0 FIELD INVESTIGATION

Prior to the commencement of fieldwork activities, Stantec made the following preparations.

3.1 PRE-DRILLING ACTIVITIES

- Stantec visited the Property to mark the proposed boring locations. Subsequent to the marking, Underground Service Alert (USA) was notified at least 72-hours prior to the commencement of drilling activities; and,

- In accordance with federal Occupational Safety and Health Administration (OSHA) regulations (29 CFR, Section 1910.120), Stantec generated a site-specific Health and Safety Plan (HASP) for the Property. All Stantec personnel and subcontractors associated with the project were required to be familiar with and comply with all provisions of the HASP.

3.2 INVESTIGATION

To address the RECs listed above, Stantec completed a Phase II ESA in May 2022. Each of the identified RECs, including the historical agricultural use; auto service operations; soil stock piles, and potential former oil well, were assessed with soil borings and soil vapor samples.

Stantec provided the services of a field geologist to supervise and direct the advancement of multiple soil, soil vapor, and groundwater borings at the Property. All work was conducted under the direct oversight of a State of California professional and included the following:

- A total of three soil samples (HA-1 through HA-3) were collected at 1.0 and 3.0 feet bgs for potential analysis of organochlorine pesticides (OCPs) by EPA Method 8081A, and heavy metals (arsenic and lead) by EPA Method 8260B. The 1-foot samples were submitted for analysis and the deeper soil samples (3-feet bgs) collected were placed on hold pending the analytical results of the shallow soil samples.

- A total of four soil samples and four soil vapor samples (SV-1 through SV-4) were collected in areas of auto service and previous violations indicating improper disposal and at the AST locations in the southern portion of the Subject Property. Soil samples were collected at 1.0 and 3.0 feet bgs for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015 and volatile organic compounds (VOCs) by EPA Method 8260B. All soil borings were be converted into soil vapor probes at five (5) feet bgs.

- A total of eight composite soil samples (CS-1 through CS-8) were collected from the soil stockpiles and analysis of OCPs by 8081A, TPH by 8015, VOCs by 8260B, and CAM17 Metals by 6010B.

- Stantec performed a magnotometer survey in the northeastern portion of the Subject Property to determine if the plugged oil well is within the Subject Property boundaries. Stantec advanced one Geoprobe® borings to approximately 10 feet bgs in the northeastern portion of the Subject Property within a gravel area between the building and street. The boring was converted into a dual nested soil gas probe (probes set at 5 and 10 feet bgs) to determine the presence, concentration, and pressure of subsurface methane gas. Two sequential methane field measurements were taken on May 12 and 13, 2022, following placement of the soil vapor probes.

3.2.1 Soil Boring and Sampling Procedures

Prior to mechanical drilling, a hand auger was used for utility clearance purposes to a depth of five (5) feet bgs. Soil samples collected within the upper five (5) feet were collected by discharging the hand auger contents directly into pre-cleaned laboratory-provided eight-ounce glass jars with Teflon®-lined lids. Once the five-foot depth has been reached, advancement of borings was performed using a Geoprobe direct push rig. During advancement, sampling of subsurface soils was performed starting at a depth of approximately five (5) feet bgs. All of the direct push borings were advanced and sampled using a Geoprobe 6620DT rig equipped with 4-foot-long by 1.25-inch inner-diameter sampler with acetate sample liners to the terminal depth of the borehole.

At each sampling interval, the sampler was driven into undisturbed soil using a hydraulic ram on the Geoprobe rig. Upon advancement of the sampler through the desired sampling depth interval, the sample liner was retrieved from the boring. The drilling and sampling sequences was then repeated for the entire depth of the boring.

The soils from each of the direct push borings were visually examined by Stantec field personnel who classified the soils in accordance with the Unified Soil Classification System (USCS). A photo-ionization detector (PID) was used to monitor/field screen the soils collected. Field screening for VOCs was achieved by removing the soil from the uppermost sample sleeve and placing it in a zip-lock type baggie. A PID probe was inserted into the baggie to monitor the headspace for VOC vapors.

Following classification and VOC vapor evaluation, the soil samples were carefully packaged for chemical analysis by sealing the ends of the acetate liner with Teflon ® sheeting, covering with plastic end caps, and sealing with non-VOC containing tape. All sample containers were labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time).

3.2.2 Soil Vapor Probe Installation

At the completion of drilling to target depth, five soil borings were converted to soil vapor monitoring probes. Borings SV-1 through SV-5 were completed with soil vapor probes at the five (5) feet bgs and boring; SV-5 was completed with a soil vapor probe at a depth of 5 and 10 feet bgs. Subsurface soil vapor probe installation was performed in accordance with the July 2015 DTSC “Advisory - Active Soil Gas Investigations” (DTSC Advisory).

Each sample probe was constructed with a 1-inch-long Airstone sampling screen set at the prescribed sampling intervals. Each of the sampling screens was constructed with a permeable Airstone vapor tip connected to ¼-inch outer diameter Nylaflow tubing that was lowered to the bottom of the borehole and backfilled with filter sand, until approximately 6-inches of filter pack was placed. A transition seal consisting of approximately 6-inches of dry bentonite was then placed above the filter pack, followed by an annular seal consisting of hydrated bentonite. At the surface, the exposed nylon tubing was capped with tight fitting plastic endcaps and labeled to indicate sampling depth. After placement of the soil vapor sample probes on May 6, 2022, subsurface conditions were allowed to equilibrate a minimum of 48-hours prior to leak testing and sample collection on May 13, 2022.

3.2.3 Soil Vapor Sampling

Soil vapor samples were collected on May 13, 2022, in accordance with the methods and procedures outlined by the DTSC Advisory, a minimum of 48-hours after installation in order to allow for equilibration.

Prior to sampling, a shut-in test was conducted on the sampling train to ensure all connections and fittings were airtight. The shut-in test was performed on the sampling train by applying a vacuum of 100 inches of water to the sampling train and monitoring magnehelic gauges for a pressure drop for one minute. If loss of vacuum was observed, the fittings were adjusted as needed until no vacuum loss was observed during subsequent shut-in tests.

After the sampling equipment passed the shut-in test, the probes were purged using glass syringes to remove internal air from the sample train (calculated from the internal volume of the tubing and probe tip); the void space of the sand pack around the probe tip; and the void space of the dry bentonite (in the annular space). Three internal volumes were purged from each sampling location at a rate less than 200 milliliters per minute (ml/min).

Immediately following purging the internal volumes, the soil vapor samples were collected by the laboratory technician by connecting a glass syringe to the sampling port with Teflon® or Nylaflow® tubing. A tracer compound of Isopropanol (IPA) was placed above the surface seal and along the sampling train to evaluate the integrity of the seal. No tracer compound was detected in any other soil vapor samples collected during this investigation. One soil vapor sample was collected from each soil vapor probe, and one replicate sample was collected from location SV-5.

3.2.4 Field Equipment Cleaning Procedures

To maintain quality control during drilling operations, all drill rods and reusable soil sampling equipment was decontaminated using a triple bucket rinse. Prior to drilling at a given location or sampling interval, all equipment coming in direct contact with soil samples was scrubbed with an Alconox scrub solution followed by a clean tap water rinse and then a final distilled water rinse. The disposable acetate soil sample liners were used for one sampling interval and then discarded.

3.2.5 Quality Control Sampling

A single (1) replicate soil vapor sample was collected during this investigation. The sample was logged on a chain-of-custody form and delivered to a state certified laboratory for analysis consistent with other primary samples collected during the continued investigation.

4.0 LABORATORY TESTING

All chemical analysis was performed at State of California Certified Laboratories. Collected soil samples were analyzed at Advanced Technology Laboratories (ATL) located in Signal Hill, California. Soil gas samples were analyzed by A&R Laboratories using an on-Site mobile laboratory. All samples were managed under strict chain-of-custody. The results are discussed below and presented on Tables 1-3**.** Complete laboratory reports, including QA/QC documentation is included in Appendix A.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

On September 8 and 9, 2021, Stantec personnel oversaw the advancement of 19 borings at the Property (SB-1 through SB-9 and SV-1 through SV-10). Soils encountered during this round of assessment consisted of silty sand to clayey sands. No staining or odor was observed in any of the borings advanced during this assessment. All boring locations are depicted on Figure 2.

Potential Oil Well Assessment

Stantec performed a magnotometer survey in the northeastern portion of the Subject Property to determine if the plugged oil well is within the Subject Property boundaries. Based on the results of the magnotometer survey no evidence of a former oil well was found.

Stantec advanced one Geoprobe® boring to approximately 10 feet bgs in the northeastern portion of the Subject Property within a gravel area between the building and street. The boring was converted into a dual nested soil gas probe (probes set at 5 and 10 feet bgs) to determine the presence, concentration, and pressure of subsurface methane gas.

Two sequential methane field measurements were taken with a Landtec Landfill Meter GEM 5000 on May 12 and 13, 2022, following placement of the soil vapor probes. No detections of methane gases were reported during the field measurements.

Results from the mobile lab reported Methane at 1410 ppmv in SV-5-5 and 155 ppmv in SV-5-10 which is below the regulatory screening level of 5,000 ppmv. Soil vapor samples collected from boring SV-5 were only analyzed for methane.

Based on the absence of evidence of a former oil well on the Subject Property and methane soil gas results, the potential oil well is no longer considered a REC and no further assessment is warranted.

5.2 ANALYTICAL RESULTS

Laboratory analytical test results from this assessment are attached as Appendix A. A summary of the analytical data from this assessment is provided in Tables 1-3. The laboratory test results from this phase of investigation are discussed below and soil vapor results were compared to the more conservative value between the DTSC HERO Note 3 screening level for commercial sites (DTSC, 2020), and the USEPA RSLs for commercial sites (USEPA, 2021), using both an attenuation factor (AF) of 0.03 and AF of 0.001. All soil boring locations and soil vapor data from this assessment is summarized on Figure 2.

Soil Results

Historical Agricultural Use

There were no detections of OCPs reported above the laboratory reporting limits in any of the soil samples collected and submitted for analysis.

Lead was reported at concentrations ranging from 6.2 to 8.2 mg/kg. The reported lead concentrations were all below the residential screening level of 80 mg/kg (Table 1).

Arsenic was reported at concentrations ranging from 1.6 to 3.6 mg/kg. The reported arsenic concentrations were above the residential screening level of 0.41 mg/kg; however, the reported concentrations were within typical naturally-occurring southern California Background levels (Table 1).

Therefore, the historical agricultural use of the Subject Property does not represent a REC and no further assessment or action is recommended.

Auto Service Operations

No TPH as Gasoline Range Organic (GRO) or VOCs were reported above the laboratory reporting detection limit (*i.e.*, the results were “non-detect”) in any soil samples analyzed from the auto service area (SV-1 through SV-4).

TPH as Diesel Range Organic (DRO) was reported at concentrations ranging from 29 to 520 milligrams per kilogram (mg/kg). One of the samples (SV-1-1) had a detection of 520 mg/kg which is above the ESL of 260 mg/kg. However, the sample from the deeper interval at three feet in depth at this location (SV-1-3) had a much lower TPH-DRO detection of 100 mg/kg, which is significantly lower than the ESL; therefore, the elevated TPH-DRO appears to be localized and not indicative of a release.

TPH as Oil Range Organic (ORO) was reported at concentrations ranging from 12 to 210 mg/kg which is well below the residential screening level of 2,400 mg/kg (Table 1).

Based on these results, auto service operations do not represent a REC and no further assessment or action is recommended.

Soil Stockpiles

No OCPs, TPH-GRO, or VOCs were reported above the laboratory reporting detection limit (*i.e.*, the results were “non-detect”) in any of the composite soil samples (CS-1 through CS-8). TPH-DRO was reported at concentrations ranging from 24 to 81 mg/kg which is below the residential screening level of 260 mg/kg. TPH-ORO was reported at concentrations ranging from 12 to 110 mg/kg which is well below the residential screening level of 2,400 mg/kg (Table 2).

Various metals were reported below their corresponding regulatory screening levels. Lead was reported at concentrations ranging from 5.9 to 13 mg/kg which is well below the residential screening level of 80 mg/kg. Arsenic was reported at concentrations ranging from 1.5 to 4 mg/kg which were above the residential

screening level of 0.41 mg/kg; however, the reported concentrations were within typical naturally-occurring southern California Background levels (Table 3).

Therefore, the soil stockpiles do not represent a REC and no further assessment or action is recommended.

5.2.1 Soil Vapor Results

There were no detections of TPH-GRO or VOCs above their corresponding laboratory reporting limits with the exception of one minor detection of toluene at 20 micrograms per cubic meter (ug/m^3). This detection is well below the residential screening level of 10,333 ug/m^3 when applying an attenuation factor of 0.03, which is not an official attenuation factor but which is sometimes consulted for guidance (Table 3).

5.2.1.1 Quality Control Results

The leak check compound Isopropanol was not detected in any of the soil vapor samples.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this investigation, no impacts were identified related to the historical agricultural use of the Property or auto service operations. Additionally, the composite soil samples collected from the soil stockpiles indicate there are no concentrations of reported chemical analytes that would require special handling for on-site use or off-site disposal. Therefore, historical agricultural use, auto service operations, and the soil stockpiles do not represent a RECs to the Property, and no further investigation is recommended.

Additionally, the oil well does not appear to be located on the Property, and no further assessment is necessary for this oil well.

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7.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

8.0 REFERENCES

Department of Toxic Substances and Control, Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SLs), dated June 2020.

Stantec Consulting Services Inc., 2022, Phase I Environmental Site Assessment, dated April 21.

State Water Resource Control Board's Geotracker, 2022, website https://geotracker.waterboards.ca.gov/

United States Geological Survey (USGS), 2012, Orange Quadrangle, 7.5 Minute Topographic Map, Scale 1 inch = 2,000 feet

United Stated Environmental Protection Agency, 2019, Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1), dated April.

TABLES

Table 1
Summary of Soil Analytical - TPH, VOCs, Arsenic and Lead, OCPs
2828 and 2898 South Willow Avenue and 322 West Jurupa Avenue
Bloomington, California

Sample ID	Sample Depth (feet)	Sample Date	TPH by 8015			VOCs	Arsenic and Lead by 6010B		OCPs by 8081A						
			GRO	DRO	ORO	Various	Arsenic	Lead	4,4'-DDD	4,4'-DDE	4,4'-DDT	alpha-Chlordane	gamma-Chlordane (2C)	Chlordane (2C)	Various
SFRWQCB ESLs (Residential)			***430***	***260***	***5,100***	***Varies***	***0.067***	***82***	***2.7***	***1.80***	***1.90***	***0.48***	***0.48***	***0.48***	***Various***
DTSC HERO Note 3 (Residential)			***NE***	***NE***	***NE***	***Varies***	***0.41***	***80***	***1.9***	***23***	***37***	***NE***	***NE***	***NE***	***Various***
Naturally Occuring California Background Levels			***NE***	***NE***	***NE***	***Varies***	***0.6 - 11.0***	***12.4 - 97.1***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***Various***
HA-1-1	1	5/6/2022	NA	NA	**NA**	NA	**2.7**	**6.2**	<0.2	<0.2	<0.2	<0.1	<0.1	<0.850	<*Various*
HA-2-1	1	5/6/2022	NA	NA	**NA**	NA	**1.6**	**8.2**	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
HA-3-1	1	5/6/2022	NA	**NA**	**NA**	NA	**3.6**	**7.1**	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
SV-1-1	1	5/6/2022	<1.0	**520**	<500	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-1-3	3	5/6/2022	<1.0	100	**180**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-2-1	1	5/6/2022	<1.0	**38**	**30**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-2-3	3	5/6/2022	<1.0	**29**	**12**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-3-1	1	5/6/2022	<1.0	**120**	**85**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-3-3	3	5/6/2022	<1.0	**29**	<10	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-4-1	1	5/6/2022	<1.0	**120**	**210**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SV-4-3	3	5/6/2022	<0.99	**36**	**32**	<*Various*	NA	NA	NA	NA	NA	NA	NA	NA	NA
CS-1	-	5/6/2022	<0.99	**81**	**110**	<*Various*	NA	NA	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
CS-2	-	5/6/2022	<0.99	**31**	**23**	<*Various*	NA	NA	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
CS-3	-	5/6/2022	<1.0	**28**	<20	<*Various*	NA	NA	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
CS-4	-	5/6/2022	<1.0	**24**	<20	<*Various*	NA	NA	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
CS-5	-	5/6/2022	<1.0	<50	<50	<*Various*	NA	NA	<0.010	<0.010	<0.010	<0.005	<0.005	<0.042	<*Various*
CS-6	-	5/6/2022	<1.0	**27**	**12**	<*Various*	NA	NA	<0.004	<0.004	<0.004	<0.002	<0.002	<0.017	<*Various*
CS-7	-	5/6/2022	<0.99	<100	<100	<*Various*	NA	NA	<0.020	<0.020	<0.020	<0.010	<0.010	<0.085	<*Various*
CS-8	-	5/6/2022	<0.99	**27**	**14**	<*Various*	NA	NA	<0.004	<0.004	<0.004	<0.002	<0.002	<0.017	<*Various*

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

DRO - Diesel Range Organics
DTSC - Department of Toxic Substance Control
HERO HHRA - Human and Ecological Risk Office Human Health Risk Assessment
NA - Not Analyzed
NE - Not Established
OCPs - Organochlorine Pesticides
BOLD Denotes analyte was detected above the laboratory reporting limit
< - Denotes analyte was not detected above the laboratory reporting limit
Yellow shading indicates value above the residential screening level but within naturally occurring background levels.
Green shading indicates value above residential screening levels and above naturally occurring backgrround levels
Orange shading indicates value above the residential screening levels.

ORO - Oil Range Organics
RSL - Regional Screening Level
SFRWQCB ESLs (Residential) - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (January 2019)
TPH - Total Petroleum Hydrocarbons
USEPA - United States Environmental Protection Agency

TABLE 2
Summary of Soil Analytical Results - Metals
2828 and 2898 South Willow Avenue and 322 West Jurupa Avenue
Bloomington, California
Project No.: 185805575

Sample ID [1]	Sampling Date	Metals [3] EPA 6010B															
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
USEPA RESIDENTIAL RSLs (mg/kg)		31	0.68	15,000	160	7.1	120,000	23	3,100	400	390	1,500	390	390	0.78	390	23,000
DTSC HERO Note 3, residential use		NE	0.11	NE	16	71.0	NE	NE	NE	80	NE	820	NE	NE	NE	NE	NE
California Background Levels Range		NE	0.6-12.0 [4]	NE	NE	NE	NE	NE	NE	12.4-97.1	NE	NE	NE	NE	NE	N	NE
CS-1	5/6/2022	<2.0	**1.9**	**120**	**2.9**	<1.0	**16**	**7.1**	**15**	**13**	<1.0	**9.3**	**6.1**	**6**	<1.0	**42**	**54**
CS-2	5/6/2022	<2.0	**2.2**	**94**	**2.2**	<1.0	**14**	**6.2**	**14**	**6.5**	<1.0	**8.6**	**3.9**	**4.2**	<1.0	**35**	**41**
CS-3	5/6/2022	<2.0	**2.5**	**92**	**2.2**	<1.0	**20**	**6.9**	**18**	**12**	<1.0	**13**	**3.9**	**4.2**	<1.0	**39**	**49**
CS-4	5/6/2022	<2.0	**2.7**	**120**	**3**	<1.0	**20**	**8.1**	**18**	**9.1**	<1.0	**13**	**5.4**	**5.9**	<1.0	**47**	**52**
CS-5	5/6/2022	<2.0	**1.6**	**9**	**2.4**	<1.0	**16**	**6.5**	**15**	**5.9**	<1.0	**9.2**	**4.3**	**4.8**	<1.0	**39**	**43**
CS-6	5/6/2022	<2.0	**1.5**	**100**	**2.6**	<1.0	**16**	**6.8**	**15**	**6.4**	<1.0	**9.5**	**4.3**	**5**	<1.0	**38**	**42**
CS-7	5/6/2022	<2.0	**4**	**43**	**1.6**	<1.0	**16**	**4.7**	**15**	**12**	<1.0	**9.7**	**3**	**3**	<1.0	**27**	**56**
CS-8	5/6/2022	<2.0	**2.1**	**100**	**2.5**	<1.0	**17**	**7.2**	**16**	**7.7**	<1.0	**11**	**3.4**	**4.9**	<1.0	**41**	**46**

NOTES:
(1) Refer to Figure 2 for sampling locations
(2) Sampling depth is reported as feet below ground surface
(3) Concentrations reported in milligrams per kilogram (mg/kg)
(4) Chernoff G., Bosan W., and Oudiz B., DTSC, Determination of a Southern California Regional Background A
< - Indicates the concentration was not detected above the laboratory method reporting limit.
* - Indicates the sample was analyzed by EPA method 6020

ABBREVIATIONS:
USEPA RSLs - United States Environmental Protection Agency Regional Screening Levels for Residential Soils- June 2015
NA - Not Analyzed
NE - Not established
Yellow shading indicates value above the residential screening level but within naturally occurring background levels.

TABLE 3
Summary of Soil Vapor Detections
2828 and 2898 South Willow Avenue and 322 West Jurupa Avenue
Bloomington, California
Project No.: 185805575

Boring Location	Sample ID	Sample Depth Below Ground Surface (feet)	Sample Volume[1]	Sample Date	Benzene	4-Isopropyl toluene	PCE	TCE	Toluene	m,p-Xylene	o-Xylene	Other VOCs
Residential Screening Level for Soil Vapor using RSL or HERO NOTE 3 and Attenuation Factor of 0.03 [2] [3]					***3.2***	*NE*	***15***	***16***	***10,333***	***3,333***	***3,333***	***various***
Residential Screening Level for Soil Vapor using RSL or HERO NOTE 3 and Attenuation Factor of 0.001 [2] [3]					***97***	*NE*	***460***	***480***	***310,000***	***100,000***	***100,000***	***various***
Site Wide	SV-1-5	5	3	5/13/2022	<6.0	<12.5	<12.5	<12.5	<12.5	<25.0	<12.5	<various
	SV-2-5	5	3	5/13/2022	<6.0	<12.5	<12.5	<12.5	**20**	<25.0	<12.5	<various
	SV-3-5	5	3	5/13/2022	<6.0	<12.5	<12.5	<12.5	<12.5	<25.0	<12.5	<various
	SV-4-5	5	3	5/13/2022	<6.0	<12.5	<12.5	<12.5	<12.5	<25.0	<12.5	<various
	SV-5-5	5	3	5/13/2022	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	SV-5-5DUP	5	3	5/13/2022	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	SV-5-10	10	3	5/13/2022	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Notes:

All concentrations reprted in microgramper cubic meter ($\mu g/m^3$)

(1) - Sample analyzed by on-site lab.

(2) - More conservative screening level between USEPA Region 9 RSL (November, 2021) and DTSC HERO Note 3 (June, 2020); San Francisco Bay Regional Water Quality Control Board ESLs (January 2019) used for TPH screening with AF of 0.03.

(3) - Most conservative screening level between USEPA Region 9 RSL (November, 2021) and DTSC HERO Note 3 (June, 2020); San Francisco Bay Regional Water Quality Control Board ESLs (January 2019) with AF of 0.001.

"<" - Results reported below Laboratory Reporting Limit.

NA - Not Analyzed

CA EPA - California Environmental Protection Agency

DTSC - Department of Toxic Substance Control

EPA - United States Environmental Protection Agency

HERO - Human and Ecological Risk Office

LCC - Leak Check Compound (Isopropanol) or 1,1-difluoroethane

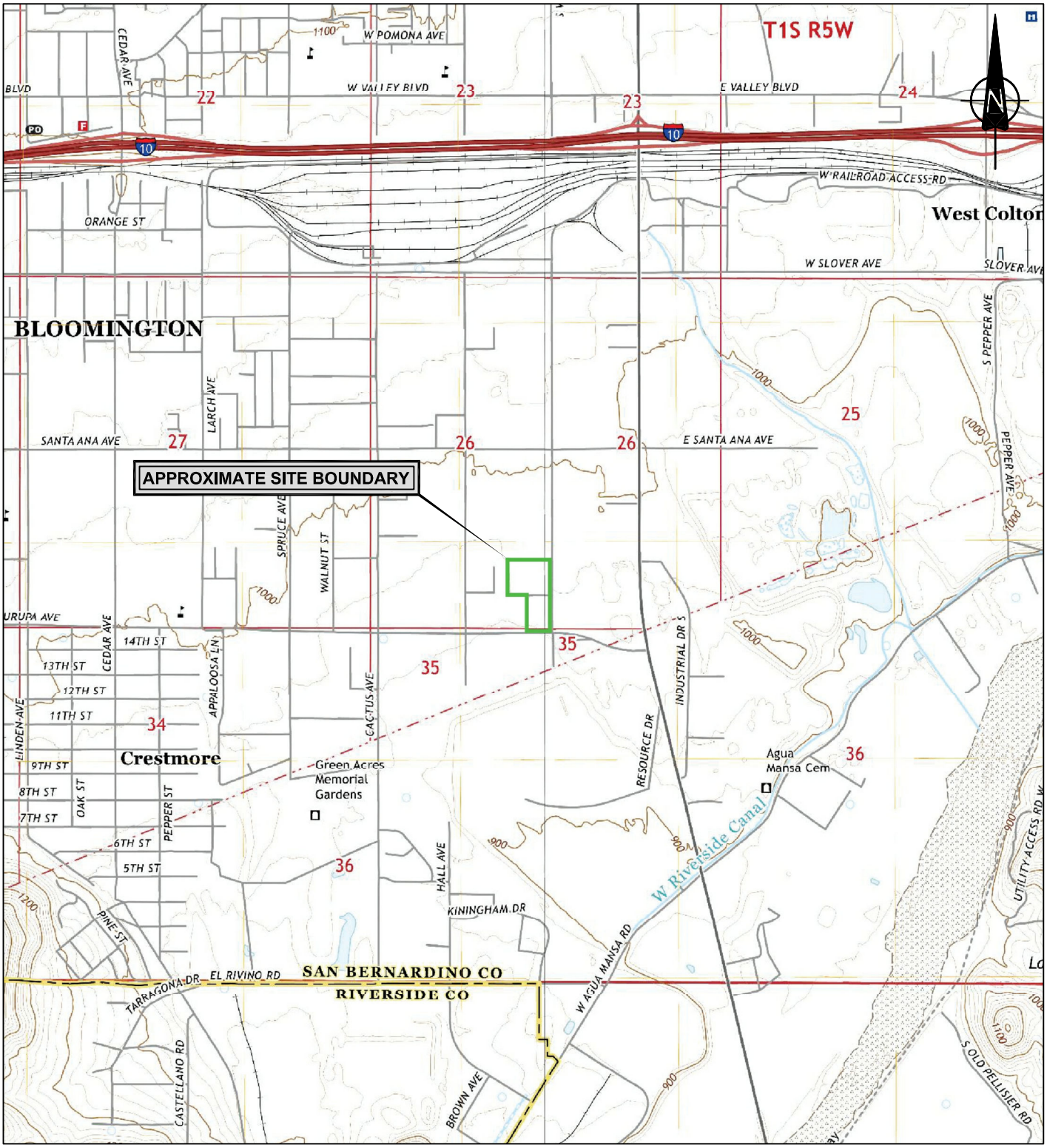
PCE - Tetrachloroethene

VOCs - Volatile Organic Compounds

Green shading indicates value above the RSLs or HERO Note 3 (0.03 attenuation factor) residential screening level.

Orange shading indicates value at or above the RSLs or HERO Note 3 (0.001 attenuation factor) residential screening level.

FIGURES



0 2500 5000 7500 ft

SCALE : AS SHOWN

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC SERVICES INC. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

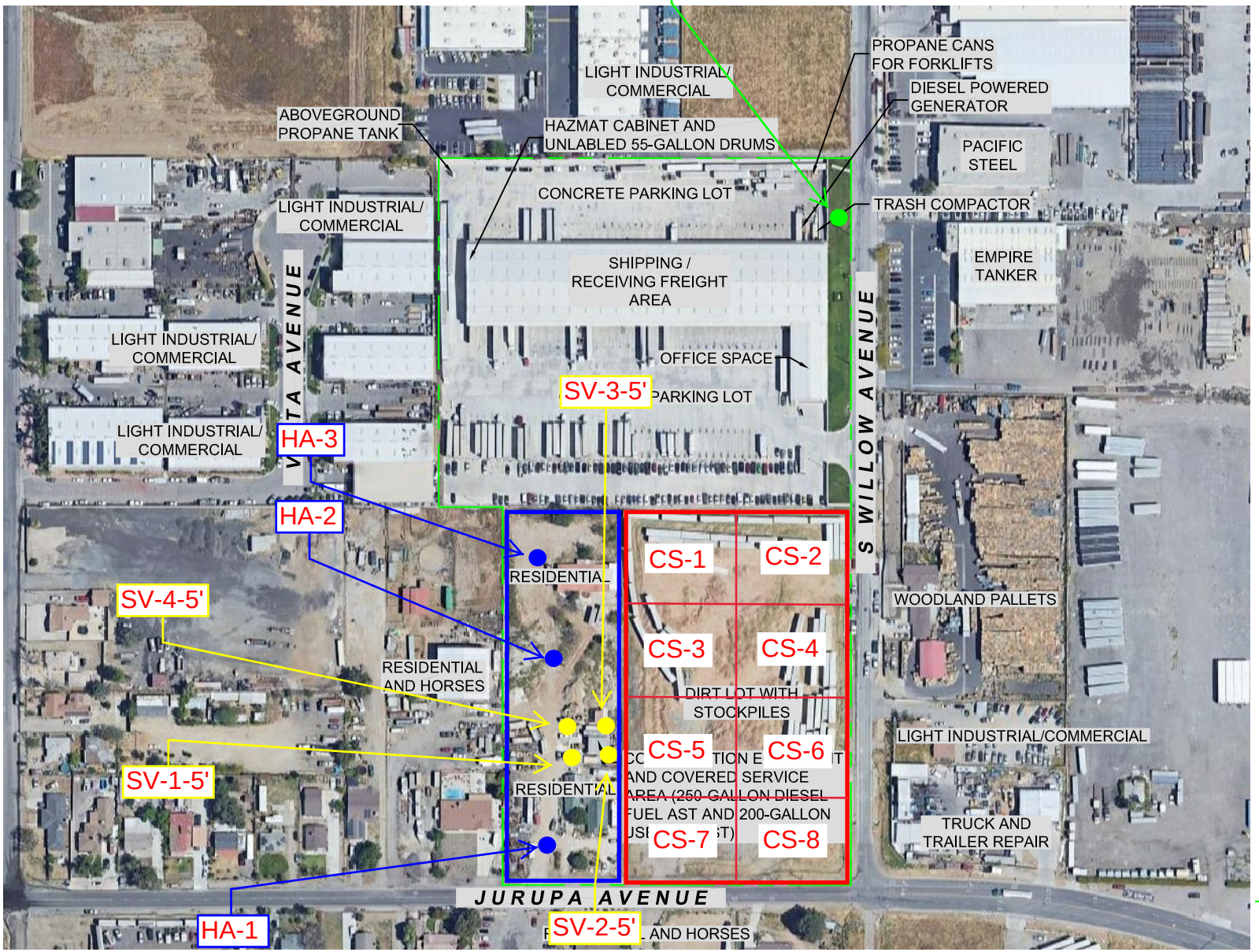
2828 AND 28985 SOUTH WILLOW AVENUE, BLOOMINGTON, CA 92316

Client:	DEDEAUX PROPERTIES

Project No.:	185805581
Scale:	AS SHOWN
Date:	22/04/09
Dwn. By:	CD DM SC2022040005
App'd By:	KE

Fig. No.: 1

Stantec



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SUBJECT PROPERTY DETAILS AND SURROUNDING AREA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

2828 AND 28985 SOUTH WILLOW AVENUE, BLOOMINGTON, CA 92316

Client:	DEDEAUX PROPERTIES
Project No.:	185805581
Scale:	AS SHOWN
Date:	22/04/09
Dwn. By:	CD DM SC2022040006
App'd By:	KE
Fig. No.:	2

Stantec

APPENDIX A

LABORATORY DATA SHEETS

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

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FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 05/17/2022 12:42:32
Laboratory Job No. (Certificate of Analysis No.)	2205-00096
Project Name / No.	2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington 185805575
Dates Sampled (from/to)	05/13/22 To 05/13/22
Dates Received (from/to)	05/13/22 To 05/13/22
Dates Reported (from/to)	05/17/22 To 5/17/2022
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 001 **SV-1-5** Date & Time Sampled: 05/13/22 @ 7:40
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[TPH Gasoline by GCMS]													
C4-C12	<0.6500	0.65	1.3	µg/L	<650.0	650.0	1,300	µg/m3		0.13	LUFT GCMS	05/13/22	KZ
[VOCs by GCMS]													
Acetone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Amyl Methyl Ether (TAME)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Benzene	<0.0060	0.006	0.025	µg/L	<6.0	6.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromodichloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromoform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Butanol (TBA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Butanone (MEK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
sec-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
tert-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Disulfide	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Tetrachloride	<0.0063	0.00625	0.013	µg/L	<6.3	6.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromoethane (EDB)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromo-3-Chloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 001 **SV-1-5** Date & Time Sampled: 05/13/22 @ 7:40
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,4-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dichlorodifluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Diisopropyl Ether (DiPE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Hexachlorobutadiene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Hexanone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Isopropylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Isopropyltoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methylene Chloride	<0.0125	0.0125	0.03	µg/L	<12.5	12.5	30	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Naphthalene	<0.0053	0.00525	0.013	µg/L	<5.3	5.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Propylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Styrene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Tetrachloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Toluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 **SV-1-5**									Date & Time Sampled:		05/13/22 @ 7:40		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,2,3-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichloropropane	<0.0050	0.005	0.025	µg/L	<5.0	5.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorofluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorotrifluoroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3,5-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Vinyl Chloride	<0.0006	0.0006	0.013	µg/L	<0.6	0.6	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
m,p-Xylenes	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.25	EPA 8260B	05/13/22	KZ
o-Xylene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Surrogates]													
Dibromofluoromethane	106		70-130	%REC							EPA 8260B	05/13/22	KZ
Toluene-D8	98		70-130	%REC							EPA 8260B	05/13/22	KZ
Bromofluorobenzene	96		70-130	%REC							EPA 8260B	05/13/22	KZ
Sample: 002 **SV-2-5**									Date & Time Sampled:		05/13/22 @ 8:08		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[TPH Gasoline by GCMS]													
C4-C12	<0.6500	0.65	1.3	µg/L	<650.0	650.0	1,300	µg/m3		0.13	LUFT GCMS	05/13/22	KZ
[VOCs by GCMS]													
Acetone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Amyl Methyl Ether (TAME)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Benzene	<0.0060	0.006	0.025	µg/L	<6.0	6.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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2205-00096

STANTEC CONSULTING SVCS., INC.
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SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 002 **SV-2-5** Date & Time Sampled: 05/13/22 @ 8:08
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Bromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromodichloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromoform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Butanol (TBA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Butanone (MEK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
sec-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
tert-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Disulfide	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Tetrachloride	<0.0063	0.00625	0.013	µg/L	<6.3	6.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromoethane (EDB)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromo-3-Chloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,4-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dichlorodifluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 002 **SV-2-5** Date & Time Sampled: 05/13/22 @ 8:08
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Diisopropyl Ether (DiPE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Hexachlorobutadiene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Hexanone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Isopropylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Isopropyltoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methylene Chloride	<0.0125	0.0125	0.03	µg/L	<12.5	12.5	30	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Naphthalene	<0.0053	0.00525	0.013	µg/L	<5.3	5.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Propylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Styrene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Tetrachloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Toluene	***0.020***	0.0125	0.025	µg/L	***20***	12.5	25	µg/m3	J	0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichloropropane	<0.0050	0.005	0.025	µg/L	<5.0	5.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorofluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 **SV-2-5**									Date & Time Sampled:		05/13/22 @ 8:08		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Trichlorotrifluoroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3,5-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Vinyl Chloride	<0.0006	0.0006	0.013	µg/L	<0.6	0.6	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
m,p-Xylenes	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.25	EPA 8260B	05/13/22	KZ
o-Xylene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Surrogates]													
Dibromofluoromethane	105		70-130	%REC							EPA 8260B	05/13/22	KZ
Toluene-D8	100		70-130	%REC							EPA 8260B	05/13/22	KZ
Bromofluorobenzene	96		70-130	%REC							EPA 8260B	05/13/22	KZ
Sample: 003 **SV-3-5**									Date & Time Sampled:		05/13/22 @ 8:32		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[TPH Gasoline by GCMS]													
C4-C12	<0.6500	0.65	1.3	µg/L	<650.0	650.0	1,300	µg/m3		0.13	LUFT GCMS	05/13/22	KZ
[VOCs by GCMS]													
Acetone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Amyl Methyl Ether (TAME)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Benzene	<0.0060	0.006	0.025	µg/L	<6.0	6.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromodichloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromoform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Butanol (TBA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Butanone (MEK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 003 **SV-3-5** Date & Time Sampled: 05/13/22 @ 8:32
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
sec-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
tert-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Disulfide	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Tetrachloride	<0.0063	0.00625	0.013	µg/L	<6.3	6.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromoethane (EDB)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromo-3-Chloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,4-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dichlorodifluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Diisopropyl Ether (DiPE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 003 **SV-3-5** Date & Time Sampled: 05/13/22 @ 8:32
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Ethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Hexachlorobutadiene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Hexanone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Isopropylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Isopropyltoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methylene Chloride	<0.0125	0.0125	0.03	µg/L	<12.5	12.5	30	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Methyl-2-Pentanone (MIBK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Naphthalene	<0.0053	0.00525	0.013	µg/L	<5.3	5.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Propylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Styrene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Tetrachloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Toluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichloropropane	<0.0050	0.005	0.025	µg/L	<5.0	5.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorofluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorotrifluoroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3,5-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Vinyl Chloride	<0.0006	0.0006	0.013	µg/L	<0.6	0.6	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
m,p-Xylenes	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.25	EPA 8260B	05/13/22	KZ
o-Xylene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Vapor Sampling Tracer]													

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Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 003 **SV-3-5** Date & Time Sampled: 05/13/22 @ 8:32													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
Isopropanol (IPA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Surrogates]													
Dibromofluoromethane	98		70-130	%REC							EPA 8260B	05/13/22	KZ
Toluene-D8	99		70-130	%REC							EPA 8260B	05/13/22	KZ
Bromofluorobenzene	96		70-130	%REC							EPA 8260B	05/13/22	KZ
Sample: 004 **SV-4-5** Date & Time Sampled: 05/13/22 @ 9:20													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[TPH Gasoline by GCMS]													
C4-C12	<0.6500	0.65	1.3	µg/L	<650.0	650.0	1,300	µg/m3		0.13	LUFT GCMS	05/13/22	KZ
[VOCs by GCMS]													
Acetone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Amyl Methyl Ether (TAME)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Benzene	<0.0060	0.006	0.025	µg/L	<6.0	6.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromodichloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromoform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Bromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
t-Butanol (TBA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Butanone (MEK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
sec-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
tert-Butylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Disulfide	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Carbon Tetrachloride	<0.0063	0.00625	0.013	µg/L	<6.3	6.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Chloroform	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 004 **SV-4-5** Date & Time Sampled: 05/13/22 @ 9:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromochloromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromoethane (EDB)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dibromo-3-Chloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dibromomethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,4-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Dichlorodifluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
cis-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
trans-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Diisopropyl Ether (DiPE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Hexachlorobutadiene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
2-Hexanone	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Isopropylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
4-Isopropyltoluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methylene Chloride	<0.0125	0.0125	0.03	µg/L	<12.5	12.5	30	µg/m3		0.25	EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Sample: 004 **SV-4-5** Date & Time Sampled: 05/13/22 @ 9:20
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
4-Methyl-2-Pentanone (MIBK)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Methyl-t-butyl Ether (MtBE)	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Naphthalene	<0.0053	0.00525	0.013	µg/L	<5.3	5.3	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
n-Propylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Styrene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Tetrachloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Toluene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,1-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,1,2-Trichloroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichloroethene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,3-Trichloropropane	<0.0050	0.005	0.025	µg/L	<5.0	5.0	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorofluoromethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Trichlorotrifluoroethane	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,2,4-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
1,3,5-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
Vinyl Chloride	<0.0006	0.0006	0.013	µg/L	<0.6	0.6	13	µg/m3		0.25	EPA 8260B	05/13/22	KZ
m,p-Xylenes	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.25	EPA 8260B	05/13/22	KZ
o-Xylene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.1250	0.125	0.25	µg/L	<125.0	125.0	250	µg/m3		0.25	EPA 8260B	05/13/22	KZ
[VOC Surrogates]													
Dibromofluoromethane	97		70-130	%REC							EPA 8260B	05/13/22	KZ
Toluene-D8	100		70-130	%REC							EPA 8260B	05/13/22	KZ
Bromofluorobenzene	95		70-130	%REC							EPA 8260B	05/13/22	KZ

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CERTIFICATE OF ANALYSIS

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	05/17/22
Date Received	05/13/22
Invoice No.	94975
Cust #	1003
Permit Number	
Customer P.O.	185805575

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 **SV-5-5**									Date & Time Sampled:		05/13/22 @ 10:10		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
Methane	**1410**	10	15	ppmv	**1,410,000**	10,000.0		µg/m3			EPA 8015M	05/13/22	KZ
Sample: 006 **SV-5-5-DUP**									Date & Time Sampled:		05/13/22 @ 10:10		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
Methane	**1400**	10	15	ppmv	**1,400,000**	10,000.0		µg/m3			EPA 8015M	05/13/22	KZ
Sample: 007 **SV-5-10**									Date & Time Sampled:		05/13/22 @ 11:00		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
Methane	**155**	10	15	ppmv	**155,000**	10,000.0		µg/m3			EPA 8015M	05/13/22	KZ

Respectfully Submitted: Ken Zheng

Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL
B1= BOD blank is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution
E = Estimated value
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit
MDL = Method Detection Limit
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

2205-00096

Date Reported	**05/17/2022**
Date Received	**05/13/2022**
Date Sampled	**05/13/2022**
Invoice No.	**94975**
Customer #	**1003**
Customer P.O.	**185805575**

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Method # EPA 8015M
QC Reference # 102968 **Date Analyzed:** 5/13/2022 **Technician:** KZ
Samples 005 006 007

Results

	LCS %REC	LCS %DUP	LCS %RPD
Methane	91	92	1

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25

Method # EPA 8260B
QC Reference # 102962 **Date Analyzed:** 5/13/2022 **Technician:** KZ
Samples 001 002 003 004

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR% REC
1,1-Dichloroethene	103	92	11.3	
Benzene	110	91	18.9	
Bromofluorobenzene				97
Chlorobenzene	110	99	10.5	
Dibromofluoromethan				107
Toluene	120	95	23.3	
Toluene-D8				101
Trichloroethene	120	94	24.3	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

Method # LUFT GCMS
QC Reference # 102951 **Date Analyzed:** 5/13/2022 **Technician:** KZ
Samples 001 002 003 004

Results

	LCS %REC	LCS %DUP	LCS %RPD
C4-C12	130	123	5.5

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25

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QUALITY CONTROL DATA REPORT

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

Date Reported 05/17/2022
Date Received 05/13/2022
Date Sampled 05/13/2022

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL
102951	C4-C12	<0.6500		µg/L	0.6500
102962	Acetone	<0.1250		µg/L	0.1250
	t-Amyl Methyl Ether (TAME)	<0.0125		µg/L	0.0125
	Benzene	<0.0060		µg/L	0.0060
	Bromobenzene	<0.0125		µg/L	0.0125
	Bromochloromethane	<0.0125		µg/L	0.0125
	Bromodichloromethane	<0.0125		µg/L	0.0125
	Bromoform	<0.0125		µg/L	0.0125
	Bromomethane	<0.0125		µg/L	0.0125
	t-Butanol (TBA)	<0.1250		µg/L	0.1250
	2-Butanone (MEK)	<0.1250		µg/L	0.1250
	n-Butylbenzene	<0.0125		µg/L	0.0125
	sec-Butylbenzene	<0.0125		µg/L	0.0125
	tert-Butylbenzene	<0.0125		µg/L	0.0125
	Carbon Disulfide	<0.1250		µg/L	0.1250
	Carbon Tetrachloride	<0.0063		µg/L	0.0063
	Chlorobenzene	<0.0125		µg/L	0.0125
	Chloroethane	<0.0125		µg/L	0.0125
	Chloroform	<0.0125		µg/L	0.0125
	Chloromethane	<0.0125		µg/L	0.0125
	2-Chlorotoluene	<0.0125		µg/L	0.0125
	4-Chlorotoluene	<0.0125		µg/L	0.0125
	Dibromochloromethane	<0.0125		µg/L	0.0125
	1,2-Dibromoethane (EDB)	<0.0125		µg/L	0.0125
	1,2-Dibromo-3-Chloropropane	<0.0125		µg/L	0.0125
	Dibromomethane	<0.0125		µg/L	0.0125
	1,2-Dichlorobenzene	<0.0125		µg/L	0.0125
	1,3-Dichlorobenzene	<0.0125		µg/L	0.0125
	1,4-Dichlorobenzene	<0.0125		µg/L	0.0125
	Dichlorodifluoromethane	<0.0125		µg/L	0.0125
	1,1-Dichloroethane	<0.0125		µg/L	0.0125
	1,2-Dichloroethane	<0.0125		µg/L	0.0125
	1,1-Dichloroethene	<0.0125		µg/L	0.0125
	cis-1,2-Dichloroethene	<0.0125		µg/L	0.0125
	trans-1,2-Dichloroethene	<0.0125		µg/L	0.0125
	1,2-Dichloropropane	<0.0125		µg/L	0.0125
	1,3-Dichloropropane	<0.0125		µg/L	0.0125
	2,2-Dichloropropane	<0.0125		µg/L	0.0125
	1,1-Dichloropropene	<0.0125		µg/L	0.0125
	cis-1,3-Dichloropropene	<0.0125		µg/L	0.0125
	trans-1,3-Dichloropropene	<0.0125		µg/L	0.0125
	Diisopropyl Ether (DiPE)	<0.0125		µg/L	0.0125
	Ethylbenzene	<0.0125		µg/L	0.0125
	Ethyl-t-Butyl Ether (EtBE)	<0.0125		µg/L	0.0125
	Hexachlorobutadiene	<0.0125		µg/L	0.0125
	2-Hexanone	<0.1250		µg/L	0.1250
	Isopropylbenzene	<0.0125		µg/L	0.0125
	4-Isopropyltoluene	<0.0125		µg/L	0.0125
	Methylene Chloride	<0.0125		µg/L	0.0125
	4-Methyl-2-Pentanone (MIBK)	<0.1250		µg/L	0.1250
	Methyl-t-butyl Ether (MtBE)	<0.0125		µg/L	0.0125
	Naphthalene	<0.0053		µg/L	0.0053
	n-Propylbenzene	<0.0125		µg/L	0.0125
	Styrene	<0.0125		µg/L	0.0125
	1,1,1,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	1,1,2,2-Tetrachloroethane	<0.0125		µg/L	0.0125
	Tetrachloroethene	<0.0125		µg/L	0.0125
	Toluene	<0.0125		µg/L	0.0125
	1,2,3-Trichlorobenzene	<0.0125		µg/L	0.0125
	1,2,4-Trichlorobenzene	<0.0125		µg/L	0.0125
	1,1,1-Trichloroethane	<0.0125		µg/L	0.0125
	1,1,2-Trichloroethane	<0.0125		µg/L	0.0125
	Trichloroethene	<0.0125		µg/L	0.0125
	1,2,3-Trichloropropane	<0.0050		µg/L	0.0050
	Trichlorofluoromethane	<0.0125		µg/L	0.0125
	Trichlorotrifluoroethane	<0.0125		µg/L	0.0125
	1,2,4-Trimethylbenzene	<0.0125		µg/L	0.0125
	1,3,5-Trimethylbenzene	<0.0125		µg/L	0.0125
	Vinyl Chloride	<0.0006		µg/L	0.0006
	m,p-Xylenes	<0.0250		µg/L	0.0250
	o-Xylene	<0.0125		µg/L	0.0125
	Isopropanol (IPA)	<0.1250		µg/L	0.1250
102968	Methane	<10		ppmv	10

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTAIRO, CA 91761
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CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

QUALITY CONTROL DATA REPORT

2205-00096

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

Date Reported	**05/17/2022**
Date Received	**05/13/2022**
Date Sampled	**05/13/2022**

Project: 2828 & 2898 S Willow Ave. & 322 W Jurupa Ave, Bloomington

Respectfully Submitted: Ken Zheng

Ken Zheng - President

A & R Laboratories
1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

185805575

A & R Work Order #: 2205-96

Page 1 of 1

Client Name: Stantec Consulting Svcs.
E-mail: alicia.jansen@stantec.com
Address: 735 E. Carnegie Dr., Ste. 280, San Bdno, CA 92408
Report Attention: Alicia J. Phone #: 909.654.8342 Fax: #
Sampled By: KZ
Project No./ Name:
Project Site: 2828 & 2898 S. Willow Ave, Bloomington

☐ Chilled ☒ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal Mobile

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	8260B / 8015 (Gasoline)	8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	CAM 17					Remarks
-1	SV-1-5	5/13/22	7:40	Air		250ml G	X		X												
-2	SV-2-5		8:08																		
-3	SV-3-5		8:32																		
-4	SV-4-5		9:20																		
-5	SV-5-5		10:10					X									X				
-6	SV-5-5 DUP		10:10					X									X				
-7	SV-5-10		11:00					X									X				

*coc corrected per client 5.16.22

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Stantec	5/13/22	11:25		ARL	5/13/22	11:25
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste, SL=Sludge, SS=Soil/Sediment, AR=Air, PP=Pure Product

Preservative Code: IC=Ice, HC=HCl, HN=HNO_3, SH=NaOH, ST=$Na_2S_2O_3$, HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag, G=Glass Container, ST= Steel Tube, B= Brass Tube, P=Plastic Bottle, V=VOA Vial, E= EnCore

May 16, 2022

Alicia Jansen
Stantec
735 E. Carnegie Drive, Suite 280
San Bernardino, CA 92408
Tel: (909) 335-6116
Fax:(909) 335-6120

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2201165
Client Reference : Dedeaux-Bloomington / 185805575

Enclosed are the results for sample(s) received on May 09, 2022 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Victoria Michel, Project Assistant
Victoria.Michel@atlglobal.com
Authorized to Release on 05/16/22 14:34 on Behalf of

Amy Leung
Laboratory Director

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1-1	2201165-01	Soil	5/06/22 7:54	5/09/22 13:57
HA-2-1	2201165-03	Soil	5/06/22 8:06	5/09/22 13:57
HA-3-1	2201165-05	Soil	5/06/22 8:12	5/09/22 13:57
SV-1-1	2201165-07	Soil	5/06/22 8:23	5/09/22 13:57
SV-1-3	2201165-08	Soil	5/06/22 8:25	5/09/22 13:57
SV-2-1	2201165-09	Soil	5/06/22 8:44	5/09/22 13:57
SV-2-3	2201165-10	Soil	5/06/22 8:47	5/09/22 13:57
SV-3-1	2201165-11	Soil	5/06/22 8:57	5/09/22 13:57
SV-3-3	2201165-12	Soil	5/06/22 8:59	5/09/22 13:57
SV-4-1	2201165-13	Soil	5/06/22 9:13	5/09/22 13:57
SV-4-3	2201165-14	Soil	5/06/22 9:16	5/09/22 13:57
CS-1	2201165-15	Soil	5/06/22 11:01	5/09/22 13:57
CS-2	2201165-16	Soil	5/06/22 11:10	5/09/22 13:57
CS-3	2201165-17	Soil	5/06/22 11:17	5/09/22 13:57
CS-4	2201165-18	Soil	5/06/22 11:25	5/09/22 13:57
CS-5	2201165-19	Soil	5/06/22 11:42	5/09/22 13:57
CS-6	2201165-20	Soil	5/06/22 11:35	5/09/22 13:57
CS-7	2201165-21	Soil	5/06/22 11:52	5/09/22 13:57
CS-8	2201165-22	Soil	5/06/22 12:00	5/09/22 13:57

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Notes and Definitions

S4	Surrogate was diluted out.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
MO	Manufacturer omitted analyte within the stock standard.
M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
D10	Sample required dilution due to dark sample
B4	Non-target analyte above PQL in the associated method blank. Therefore, reanalysis is not necessary.
B	Analyte detected in the associated method blank above the PQL.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: en**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2201165-15	CS-1	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:09	
2201165-16	CS-2	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:11	
2201165-17	CS-3	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:14	
2201165-18	CS-4	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:16	
2201165-19	CS-5	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:19	
2201165-20	CS-6	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:21	
2201165-21	CS-7	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:24	
2201165-22	CS-8	**ND**	mg/kg	0.10	1	B2E1122	05/10/2022	05/10/22 15:27	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: HA-1-1
Lab ID: 2201165-01

Total Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**2.7**	1.0	1	B2E1125	05/10/2022	05/10/22 15:41	
Lead	**6.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:41	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
4,4′-DDE	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
4,4′-DDT	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Aldrin	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
alpha-BHC	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
alpha-Chlordane	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
beta-BHC	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Chlordane	ND	850	100	B2E1146	05/10/2022	05/11/22 12:51	D10
delta-BHC	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Dieldrin	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endosulfan I	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endosulfan II	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endosulfan sulfate	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endrin	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endrin aldehyde	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Endrin ketone	ND	200	100	B2E1146	05/10/2022	05/11/22 12:51	D10
gamma-BHC	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
gamma-Chlordane	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Heptachlor	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Heptachlor epoxide	ND	100	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Methoxychlor	ND	500	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Toxaphene	ND	5000	100	B2E1146	05/10/2022	05/11/22 12:51	D10
Surrogate: Decachlorobiphenyl	*46.4 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 12:51*	
Surrogate: Tetrachloro-m-xylene	*0%*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 12:51*	S4

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: HA-2-1
Lab ID: 2201165-03

Total Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**1.6**	1.0	1	B2E1125	05/10/2022	05/10/22 15:43	
Lead	**8.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:43	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
4,4′-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
4,4′-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:02	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:02	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:02	D10
Surrogate: Decachlorobiphenyl	*51.4 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:02*	
Surrogate: Tetrachloro-m-xylene	*54.8 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:02*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: HA-3-1
Lab ID: 2201165-05

Total Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	**3.6**	1.0	1	B2E1125	05/10/2022	05/10/22 15:45	
Lead	**7.1**	1.0	1	B2E1125	05/10/2022	05/10/22 15:45	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
4,4′-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
4,4′-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:12	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:12	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:12	D10
Surrogate: Decachlorobiphenyl	*49.8 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:12*	
Surrogate: Tetrachloro-m-xylene	*58.4 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:12*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-1
Lab ID: 2201165-07

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**520**	500	50	B2E1138	05/10/2022	05/10/22 16:19	D10
ORO	ND	500	50	B2E1138	05/10/2022	05/10/22 16:19	D10
Surrogate: p-Terphenyl	*45.4 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 16:19*	S4

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-1

Lab ID: 2201165-07

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 18:45	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 18:45	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
m,p-Xylene	ND	10	1	B2E1134	05/10/2022	05/10/22 18:45	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 18:45	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 18:45	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 18:45*	
Surrogate: 4-Bromofluorobenzene	*93.5 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 18:45*	
Surrogate: Dibromofluoromethane	*105 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 18:45*	
Surrogate: Toluene-d8	*98.3 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 18:45*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-1

Lab ID: 2201165-07

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1141	05/11/2022	05/11/22 00:51	
Surrogate: 4-Bromofluorobenzene	*107 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 00:51*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-3
Lab ID: 2201165-08

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**100**	10	1	B2E1138	05/10/2022	05/10/22 16:40	
ORO	**180**	10	1	B2E1138	05/10/2022	05/10/22 16:40	
Surrogate: p-Terphenyl	*74.8 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 16:40*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-3
Lab ID: 2201165-08

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 16:11	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 16:11	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 16:11	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 16:11	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 16:11	
Surrogate: 1,2-Dichloroethane-d4	*98.6 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 16:11*	
Surrogate: 4-Bromofluorobenzene	*89.4 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 16:11*	
Surrogate: Dibromofluoromethane	*93.1 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 16:11*	
Surrogate: Toluene-d8	*98.2 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 16:11*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-1-3

Lab ID: 2201165-08

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1085	05/10/2022	05/10/22 17:35	
Surrogate: 4-Bromofluorobenzene	*108 %*	*47.6 - 121.18*		B2E1085	05/10/2022	*05/10/22 17:35*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-1
Lab ID: 2201165-09

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**38**	10	1	B2E1138	05/10/2022	05/10/22 17:00	
ORO	**30**	10	1	B2E1138	05/10/2022	05/10/22 17:00	
Surrogate: p-Terphenyl	*74.8 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 17:00*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-1
Lab ID: 2201165-09

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 19:10	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 19:10	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
m,p-Xylene	ND	10	1	B2E1134	05/10/2022	05/10/22 19:10	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 19:10	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:10	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 19:10*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 19:10*	
Surrogate: Dibromofluoromethane	*97.0 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 19:10*	
Surrogate: Toluene-d8	*97.7 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 19:10*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-1

Lab ID: 2201165-09

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1141	05/11/2022	05/11/22 01:15	
Surrogate: 4-Bromofluorobenzene	*107 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 01:15*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-3
Lab ID: 2201165-10

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**29**	10	1	B2E1138	05/10/2022	05/10/22 17:21	
ORO	**12**	10	1	B2E1138	05/10/2022	05/10/22 17:21	
Surrogate: p-Terphenyl	*77.3 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 17:21*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-3
Lab ID: 2201165-10

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 19:36	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 19:36	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
m,p-Xylene	ND	10	1	B2E1134	05/10/2022	05/10/22 19:36	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 19:36	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 19:36	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 19:36*	
Surrogate: 4-Bromofluorobenzene	*91.9 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 19:36*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 19:36*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 19:36*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-2-3

Lab ID: 2201165-10

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1141	05/11/2022	05/11/22 01:39	
Surrogate: 4-Bromofluorobenzene	*109 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 01:39*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-1
Lab ID: 2201165-11

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**120**	10	1	B2E1138	05/10/2022	05/10/22 17:42	
ORO	**85**	10	1	B2E1138	05/10/2022	05/10/22 17:42	
Surrogate: p-Terphenyl	*70.6 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 17:42*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-1
Lab ID: 2201165-11

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:01	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 20:01	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 20:01	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:01	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:01	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 20:01*	
Surrogate: 4-Bromofluorobenzene	*90.5 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 20:01*	
Surrogate: Dibromofluoromethane	*103 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 20:01*	
Surrogate: Toluene-d8	*99.4 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 20:01*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-1

Lab ID: 2201165-11

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics		ND	1.0	1	B2E1141	05/11/2022	05/11/22 02:02	
Surrogate: 4-Bromofluorobenzene	*111 %*		*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 02:02*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-3
Lab ID: 2201165-12

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**29**	10	1	B2E1138	05/10/2022	05/10/22 18:03	
ORO	ND	10	1	B2E1138	05/10/2022	05/10/22 18:03	
Surrogate: p-Terphenyl	*80.8 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 18:03*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-3
Lab ID: 2201165-12

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:27	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 20:27	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
m,p-Xylene	ND	10	1	B2E1134	05/10/2022	05/10/22 20:27	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:27	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:27	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 20:27*	
Surrogate: 4-Bromofluorobenzene	*87.7 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 20:27*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 20:27*	
Surrogate: Toluene-d8	*94.1 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 20:27*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-3-3

Lab ID: 2201165-12

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte		Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics		ND	1.0	1	B2E1141	05/11/2022	05/11/22 02:26	
Surrogate: 4-Bromofluorobenzene	*109 %*		*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 02:26*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-1
Lab ID: 2201165-13

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**120**	20	2	B2E1138	05/10/2022	05/10/22 18:24	D10
ORO	**210**	20	2	B2E1138	05/10/2022	05/10/22 18:24	D10
Surrogate: p-Terphenyl	*78.3 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 18:24*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-1
Lab ID: 2201165-13

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:53	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 20:53	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 20:53	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 20:53	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 20:53	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 20:53*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 20:53*	
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 20:53*	
Surrogate: Toluene-d8	*97.8 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 20:53*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-1

Lab ID: 2201165-13

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1141	05/11/2022	05/11/22 02:49	
Surrogate: 4-Bromofluorobenzene	*106 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 02:49*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-3
Lab ID: 2201165-14

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**36**	10	1	B2E1138	05/10/2022	05/10/22 18:44	
ORO	**32**	10	1	B2E1138	05/10/2022	05/10/22 18:44	
Surrogate: p-Terphenyl	*66.1 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 18:44*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1,1-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1,2-Trichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,1-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2,3-Trichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2-Dibromoethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2-Dichloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,3-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,3-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
1,4-Dichlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
2,2-Dichloropropane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
2-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
4-Chlorotoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
4-Isopropyltoluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Benzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Bromobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Bromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Bromodichloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Bromoform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Bromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Carbon disulfide	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-3
Lab ID: 2201165-14

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Chlorobenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Chloroethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Chloroform	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Chloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Dibromochloromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Dibromomethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Dichlorodifluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Ethyl Acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 21:18	
Ethyl Ether	ND	50	1	B2E1134	05/10/2022	05/10/22 21:18	
Ethylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Freon-113	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Hexachlorobutadiene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Isopropylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 21:18	
Methylene chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
n-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
n-Propylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Naphthalene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
o-Xylene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
sec-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Styrene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
tert-Butylbenzene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Tetrachloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Toluene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
trans-1,3-Dichloropropene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Trichloroethene	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Trichlorofluoromethane	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Vinyl acetate	ND	50	1	B2E1134	05/10/2022	05/10/22 21:18	
Vinyl chloride	ND	5.0	1	B2E1134	05/10/2022	05/10/22 21:18	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 21:18*	
Surrogate: 4-Bromofluorobenzene	*96.5 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 21:18*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 21:18*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 21:18*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: SV-4-3

Lab ID: 2201165-14

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.99	1	B2E1141	05/11/2022	05/11/22 03:13	
Surrogate: 4-Bromofluorobenzene	*110 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 03:13*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-1
Lab ID: 2201165-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Arsenic	**1.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Barium	**120**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Beryllium	**2.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Chromium	**16**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Cobalt	**7.1**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Copper	**15**	2.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Lead	**13**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Nickel	**9.3**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Selenium	**6.1**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Silver	**6.0**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Vanadium	**42**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	
Zinc	**54**	1.0	1	B2E1125	05/10/2022	05/10/22 15:33	

Diesel and Oil Range Organics by EPA 8015B

Analyst: SN

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**81**	50	5	B2E1138	05/10/2022	05/10/22 19:06	D10
ORO	**110**	50	5	B2E1138	05/10/2022	05/10/22 19:06	D10
Surrogate: p-Terphenyl	*64.5 %*	*62 - 141*		B2E1138	05/10/2022	*05/10/22 19:06*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4′-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
4,4′-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
4,4′-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:23	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-1
Lab ID: 2201165-15

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:23	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:23	D10
Surrogate: Decachlorobiphenyl	*43.2 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:23*	
Surrogate: Tetrachloro-m-xylene	*52.9 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:23*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1,1-Trichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1,2-Trichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1-Dichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,1-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2,3-Trichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2,3-Trichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2,4-Trichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2,4-Trimethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2-Dibromoethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2-Dichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,2-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,3,5-Trimethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,3-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
1,3-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-1

Lab ID: 2201165-15

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
2,2-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
2-Chlorotoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
4-Chlorotoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
4-Isopropyltoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Benzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Bromobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Bromochloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Bromodichloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Bromoform	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Bromomethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Carbon disulfide	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Carbon tetrachloride	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Chlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Chloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Chloroform	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Chloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
cis-1,2-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
cis-1,3-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Dibromochloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Dibromomethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Dichlorodifluoromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Ethyl Acetate	ND	49	1	B2E1134	05/10/2022	05/10/22 21:44	
Ethyl Ether	ND	49	1	B2E1134	05/10/2022	05/10/22 21:44	
Ethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Freon-113	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Hexachlorobutadiene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Isopropylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Methylene chloride	ND	4.9	1	B2E1186	05/13/2022	05/13/22 13:51	
n-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
n-Propylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Naphthalene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
o-Xylene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
sec-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Styrene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
tert-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Tetrachloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Toluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
trans-1,2-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-1

Lab ID: 2201165-15

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Trichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Trichlorofluoromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Vinyl acetate	ND	49	1	B2E1134	05/10/2022	05/10/22 21:44	
Vinyl chloride	ND	4.9	1	B2E1134	05/10/2022	05/10/22 21:44	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 21:44*	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*66 - 200*		B2E1186	05/13/2022	*05/13/22 13:51*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 21:44*	
Surrogate: 4-Bromofluorobenzene	*88.7 %*	*50 - 146*		B2E1186	05/13/2022	*05/13/22 13:51*	
Surrogate: Dibromofluoromethane	*105 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 21:44*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1186	05/13/2022	*05/13/22 13:51*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2E1186	05/13/2022	*05/13/22 13:51*	
Surrogate: Toluene-d8	*96.5 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 21:44*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) — **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.99	1	B2E1141	05/11/2022	05/11/22 03:37	
Surrogate: 4-Bromofluorobenzene	*113 %*	*47.6 - 121.18*		B2E1141	05/11/2022	*05/11/22 03:37*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-2
Lab ID: 2201165-16

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Arsenic	**2.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Barium	**94**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Beryllium	**2.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Chromium	**14**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Cobalt	**6.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Copper	**14**	2.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Lead	**6.5**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Nickel	**8.6**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Selenium	**3.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Silver	**4.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Vanadium	**35**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	
Zinc	**41**	1.0	1	B2E1125	05/10/2022	05/10/22 15:47	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**31**	10	1	B2E1138	05/10/2022	05/11/22 11:45	
ORO	**23**	10	1	B2E1138	05/10/2022	05/11/22 11:45	
Surrogate: p-Terphenyl	*71.7 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 11:45*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
4,4´-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
4,4´-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:33	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-2
Lab ID: 2201165-16

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:33	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:33	D10
Surrogate: Decachlorobiphenyl	*48.1 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:33*	
Surrogate: Tetrachloro-m-xylene	*71.7 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:33*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1,1-Trichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1,2-Trichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1-Dichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,1-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2,3-Trichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2,3-Trichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2,4-Trichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2,4-Trimethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2-Dibromoethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2-Dichloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,2-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,3,5-Trimethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,3-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
1,3-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-2

Lab ID: 2201165-16

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
2,2-Dichloropropane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
2-Chlorotoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
4-Chlorotoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
4-Isopropyltoluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Benzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Bromobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Bromochloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Bromodichloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Bromoform	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Bromomethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Carbon disulfide	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Carbon tetrachloride	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Chlorobenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Chloroethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Chloroform	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Chloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
cis-1,2-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
cis-1,3-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Dibromochloromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Dibromomethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Dichlorodifluoromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Ethyl Acetate	ND	49	1	B2E1134	05/10/2022	05/10/22 22:10	
Ethyl Ether	ND	49	1	B2E1134	05/10/2022	05/10/22 22:10	
Ethylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Freon-113	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Hexachlorobutadiene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Isopropylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
m,p-Xylene	ND	9.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Methylene chloride	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
n-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
n-Propylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Naphthalene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
o-Xylene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
sec-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Styrene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
tert-Butylbenzene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Tetrachloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Toluene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
trans-1,2-Dichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-2

Lab ID: 2201165-16

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Trichloroethene	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Trichlorofluoromethane	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Vinyl acetate	ND	49	1	B2E1134	05/10/2022	05/10/22 22:10	
Vinyl chloride	ND	4.9	1	B2E1134	05/10/2022	05/10/22 22:10	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*66 - 200*		B2E1134	05/10/2022	*05/10/22 22:10*	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*50 - 146*		B2E1134	05/10/2022	*05/10/22 22:10*	
Surrogate: Dibromofluoromethane	*105 %*	*77 - 159*		B2E1134	05/10/2022	*05/10/22 22:10*	
Surrogate: Toluene-d8	*96.8 %*	*81 - 128*		B2E1134	05/10/2022	*05/10/22 22:10*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) — **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.99	1	B2E1143	05/11/2022	05/11/22 06:45	
Surrogate: 4-Bromofluorobenzene	*112 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 06:45*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-3
Lab ID: 2201165-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Arsenic	**2.5**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Barium	**92**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Beryllium	**2.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Chromium	**20**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Cobalt	**6.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Copper	**18**	2.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Lead	**12**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Nickel	**13**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Selenium	**3.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Silver	**4.2**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Vanadium	**39**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	
Zinc	**49**	1.0	1	B2E1125	05/10/2022	05/10/22 15:57	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**28**	20	2	B2E1138	05/10/2022	05/11/22 12:05	D10
ORO	ND	20	2	B2E1138	05/10/2022	05/11/22 12:05	D10
Surrogate: p-Terphenyl	*87.6 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 12:05*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
4,4´-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
4,4´-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:44	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-3
Lab ID: 2201165-17

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:44	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:44	D10
Surrogate: Decachlorobiphenyl	*54.0 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:44*	
Surrogate: Tetrachloro-m-xylene	*55.3 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:44*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1,1-Trichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1,2-Trichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1-Dichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,1-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2,3-Trichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2-Dibromoethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2-Dichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,2-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,3-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
1,3-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-3

Lab ID: 2201165-17

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
2,2-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
2-Chlorotoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
4-Chlorotoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
4-Isopropyltoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Benzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Bromobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Bromochloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Bromodichloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Bromoform	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Bromomethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Carbon disulfide	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Carbon tetrachloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Chlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Chloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Chloroform	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Chloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Dibromochloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Dibromomethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Dichlorodifluoromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Ethyl Acetate	ND	50	1	B2E1154	05/11/2022	05/11/22 16:40	
Ethyl Ether	ND	50	1	B2E1154	05/11/2022	05/11/22 16:40	
Ethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Freon-113	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Hexachlorobutadiene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Isopropylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
m,p-Xylene	ND	10	1	B2E1154	05/11/2022	05/11/22 16:40	
Methylene chloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
n-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
n-Propylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Naphthalene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
o-Xylene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
sec-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Styrene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
tert-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Tetrachloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Toluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-3

Lab ID: 2201165-17

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Trichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Trichlorofluoromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Vinyl acetate	ND	50	1	B2E1154	05/11/2022	05/11/22 16:40	
Vinyl chloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 16:40	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*66 - 200*		B2E1154	05/11/2022	*05/11/22 16:40*	
Surrogate: 4-Bromofluorobenzene	*87.8 %*	*50 - 146*		B2E1154	05/11/2022	*05/11/22 16:40*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1154	05/11/2022	*05/11/22 16:40*	
Surrogate: Toluene-d8	*102 %*	*81 - 128*		B2E1154	05/11/2022	*05/11/22 16:40*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) — **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1143	05/11/2022	05/11/22 07:08	
Surrogate: 4-Bromofluorobenzene	*110 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 07:08*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-4
Lab ID: 2201165-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Arsenic	**2.7**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Barium	**120**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Beryllium	**3.0**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Chromium	**20**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Cobalt	**8.1**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Copper	**18**	2.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Lead	**9.1**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Nickel	**13**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Selenium	**5.4**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Silver	**5.9**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Vanadium	**47**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	
Zinc	**52**	1.0	1	B2E1125	05/10/2022	05/10/22 15:59	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**24**	20	2	B2E1138	05/10/2022	05/11/22 12:27	D10
ORO	ND	20	2	B2E1138	05/10/2022	05/11/22 12:27	D10
Surrogate: p-Terphenyl	*81.5 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 12:27*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
4,4´-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
4,4´-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 13:54	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-4
Lab ID: 2201165-18

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 13:54	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 13:54	D10
Surrogate: Decachlorobiphenyl	*48.3 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 13:54*	
Surrogate: Tetrachloro-m-xylene	*55.0 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 13:54*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1,1-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1,2-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,1-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2,3-Trichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2-Dibromoethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,3-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
1,3-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-4

Lab ID: 2201165-18

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
2,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
2-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
4-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
4-Isopropyltoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Benzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Bromobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Bromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Bromodichloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Bromoform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Bromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Carbon disulfide	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Carbon tetrachloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Chlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Chloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Chloroform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Chloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Dibromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Dibromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Dichlorodifluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Ethyl Acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 15:19	
Ethyl Ether	ND	50	1	B2E1142	05/12/2022	05/12/22 15:19	
Ethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Freon-113	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Hexachlorobutadiene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Isopropylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
m,p-Xylene	ND	10	1	B2E1142	05/12/2022	05/12/22 15:19	
Methylene chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
n-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
n-Propylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Naphthalene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
o-Xylene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
sec-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Styrene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
tert-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Tetrachloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Toluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-4
Lab ID: 2201165-18

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Trichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Trichlorofluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Vinyl acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 15:19	
Vinyl chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:19	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*66 - 200*		B2E1142	05/12/2022	*05/12/22 15:19*	
Surrogate: 4-Bromofluorobenzene	*89.4 %*	*50 - 146*		B2E1142	05/12/2022	*05/12/22 15:19*	
Surrogate: Dibromofluoromethane	*104 %*	*77 - 159*		B2E1142	05/12/2022	*05/12/22 15:19*	
Surrogate: Toluene-d8	*99.7 %*	*81 - 128*		B2E1142	05/12/2022	*05/12/22 15:19*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified)

Analyst: HH

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1143	05/11/2022	05/11/22 07:32	
Surrogate: 4-Bromofluorobenzene	*106 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 07:32*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-5
Lab ID: 2201165-19

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Arsenic	**1.6**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Barium	**97**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Beryllium	**2.4**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Chromium	**16**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Cobalt	**6.5**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Copper	**15**	2.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Lead	**5.9**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Nickel	**9.2**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Selenium	**4.3**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Silver	**4.8**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Vanadium	**39**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	
Zinc	**43**	1.0	1	B2E1125	05/10/2022	05/10/22 16:01	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	50	5	B2E1138	05/10/2022	05/11/22 12:47	D10
ORO	ND	50	5	B2E1138	05/10/2022	05/11/22 12:47	D10
Surrogate: p-Terphenyl	*68.3 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 12:47*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
4,4´-DDE	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
4,4´-DDT	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Aldrin	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
alpha-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
alpha-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
beta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Chlordane	ND	42	5	B2E1146	05/10/2022	05/11/22 14:05	D10
delta-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-5
Lab ID: 2201165-19

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endosulfan I	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endosulfan II	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endosulfan sulfate	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endrin	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endrin aldehyde	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Endrin ketone	ND	10	5	B2E1146	05/10/2022	05/11/22 14:05	D10
gamma-BHC	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
gamma-Chlordane	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Heptachlor	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Heptachlor epoxide	ND	5.0	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Methoxychlor	ND	25	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Toxaphene	ND	250	5	B2E1146	05/10/2022	05/11/22 14:05	D10
Surrogate: Decachlorobiphenyl	*45.4 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 14:05*	
Surrogate: Tetrachloro-m-xylene	*51.5 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 14:05*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1,1-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1,2-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,1-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2,3-Trichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2-Dibromoethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,3-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
1,3-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-5
Lab ID: 2201165-19

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
2,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
2-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
4-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
4-Isopropyltoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Benzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Bromobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Bromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Bromodichloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Bromoform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Bromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Carbon disulfide	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Carbon tetrachloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Chlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Chloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Chloroform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Chloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Dibromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Dibromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Dichlorodifluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Ethyl Acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 15:45	
Ethyl Ether	ND	50	1	B2E1142	05/12/2022	05/12/22 15:45	
Ethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Freon-113	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Hexachlorobutadiene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Isopropylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
m,p-Xylene	ND	9.9	1	B2E1142	05/12/2022	05/12/22 15:45	
Methylene chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
n-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
n-Propylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Naphthalene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
o-Xylene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
sec-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Styrene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
tert-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Tetrachloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Toluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-5
Lab ID: 2201165-19

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Trichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Trichlorofluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Vinyl acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 15:45	
Vinyl chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 15:45	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*66 - 200*		B2E1142	05/12/2022	*05/12/22 15:45*	
Surrogate: 4-Bromofluorobenzene	*89.2 %*	*50 - 146*		B2E1142	05/12/2022	*05/12/22 15:45*	
Surrogate: Dibromofluoromethane	*106 %*	*77 - 159*		B2E1142	05/12/2022	*05/12/22 15:45*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2E1142	05/12/2022	*05/12/22 15:45*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1143	05/11/2022	05/11/22 07:56	
Surrogate: 4-Bromofluorobenzene	*109 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 07:56*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-6
Lab ID: 2201165-20

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Arsenic	**1.5**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Barium	**100**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Beryllium	**2.6**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Chromium	**16**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Cobalt	**6.8**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Copper	**15**	2.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Lead	**6.4**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Nickel	**9.5**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Selenium	**4.3**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Silver	**5.0**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Vanadium	**38**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	
Zinc	**42**	1.0	1	B2E1125	05/10/2022	05/10/22 16:03	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**27**	10	1	B2E1138	05/10/2022	05/11/22 13:09	
ORO	**12**	10	1	B2E1138	05/10/2022	05/11/22 13:09	
Surrogate: p-Terphenyl	*73.0 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 13:09*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
4,4´-DDE	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
4,4´-DDT	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Aldrin	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
alpha-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
alpha-Chlordane	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
beta-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Chlordane	ND	17	2	B2E1146	05/10/2022	05/11/22 14:15	D10
delta-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-6
Lab ID: 2201165-20

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endosulfan I	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endosulfan II	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endosulfan sulfate	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endrin	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endrin aldehyde	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Endrin ketone	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
gamma-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
gamma-Chlordane	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Heptachlor	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Heptachlor epoxide	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Methoxychlor	ND	10	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Toxaphene	ND	100	2	B2E1146	05/10/2022	05/11/22 14:15	D10
Surrogate: Decachlorobiphenyl	*52.6 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 14:15*	
Surrogate: Tetrachloro-m-xylene	*54.0 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 14:15*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1,1-Trichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1,2-Trichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1-Dichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,1-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2,3-Trichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2-Dibromo-3-chloropropane	ND	9.9	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2-Dibromoethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2-Dichloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,2-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,3-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
1,3-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-6

Lab ID: 2201165-20

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
2,2-Dichloropropane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
2-Chlorotoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
4-Chlorotoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
4-Isopropyltoluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Benzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Bromobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Bromochloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Bromodichloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Bromoform	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Bromomethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Carbon disulfide	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Carbon tetrachloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Chlorobenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Chloroethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Chloroform	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Chloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Dibromochloromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Dibromomethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Dichlorodifluoromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Ethyl Acetate	ND	50	1	B2E1154	05/11/2022	05/11/22 17:57	
Ethyl Ether	ND	50	1	B2E1154	05/11/2022	05/11/22 17:57	
Ethylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Freon-113	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Hexachlorobutadiene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Isopropylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
m,p-Xylene	ND	9.9	1	B2E1154	05/11/2022	05/11/22 17:57	
Methylene chloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
n-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
n-Propylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Naphthalene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
o-Xylene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
sec-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Styrene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
tert-Butylbenzene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Tetrachloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Toluene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-6

Lab ID: 2201165-20

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Trichloroethene	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Trichlorofluoromethane	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Vinyl acetate	ND	50	1	B2E1154	05/11/2022	05/11/22 17:57	
Vinyl chloride	ND	5.0	1	B2E1154	05/11/2022	05/11/22 17:57	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*66 - 200*		B2E1154	05/11/2022	*05/11/22 17:57*	
Surrogate: 4-Bromofluorobenzene	*89.7 %*	*50 - 146*		B2E1154	05/11/2022	*05/11/22 17:57*	
Surrogate: Dibromofluoromethane	*112 %*	*77 - 159*		B2E1154	05/11/2022	*05/11/22 17:57*	
Surrogate: Toluene-d8	*103 %*	*81 - 128*		B2E1154	05/11/2022	*05/11/22 17:57*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) — **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B2E1143	05/11/2022	05/11/22 08:19	
Surrogate: 4-Bromofluorobenzene	*110 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 08:19*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-7
Lab ID: 2201165-21

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Arsenic	**4.0**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Barium	**43**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Beryllium	**1.6**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Chromium	**16**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Cobalt	**4.7**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Copper	**15**	2.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Lead	**12**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Nickel	**9.7**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Selenium	**3.0**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Silver	**3.0**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Vanadium	**27**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	
Zinc	**56**	1.0	1	B2E1125	05/10/2022	05/10/22 16:05	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	100	10	B2E1138	05/10/2022	05/11/22 13:30	D10
ORO	ND	100	10	B2E1138	05/10/2022	05/11/22 13:30	D10
Surrogate: p-Terphenyl	*74.1 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 13:30*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
4,4´-DDE	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
4,4´-DDT	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Aldrin	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
alpha-BHC	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
alpha-Chlordane	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
beta-BHC	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Chlordane [2C]	ND	85	10	B2E1146	05/10/2022	05/11/22 14:26	D10
delta-BHC	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-7

Lab ID: 2201165-21

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endosulfan I	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endosulfan II	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endosulfan sulfate	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endrin	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endrin aldehyde	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Endrin ketone	ND	20	10	B2E1146	05/10/2022	05/11/22 14:26	D10
gamma-BHC	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
gamma-Chlordane	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Heptachlor	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Heptachlor epoxide	ND	10	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Methoxychlor	ND	50	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Toxaphene	ND	500	10	B2E1146	05/10/2022	05/11/22 14:26	D10
Surrogate: Decachlorobiphenyl	*60.0 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 14:26*	
Surrogate: Tetrachloro-m-xylene	*63.9 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 14:26*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1,1-Trichloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1,2,2-Tetrachloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1,2-Trichloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1-Dichloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1-Dichloroethene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,1-Dichloropropene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2,3-Trichloropropane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2,3-Trichlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2,4-Trichlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2,4-Trimethylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2-Dibromo-3-chloropropane	ND	9.8	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2-Dibromoethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2-Dichlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2-Dichloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,2-Dichloropropane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,3,5-Trimethylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,3-Dichlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
1,3-Dichloropropane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-7

Lab ID: 2201165-21

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
2,2-Dichloropropane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
2-Chlorotoluene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
4-Chlorotoluene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
4-Isopropyltoluene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Benzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Bromobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Bromochloromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Bromodichloromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Bromoform	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Bromomethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Carbon disulfide	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Carbon tetrachloride	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Chlorobenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Chloroethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Chloroform	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Chloromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
cis-1,2-Dichloroethene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
cis-1,3-Dichloropropene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Dibromochloromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Dibromomethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Dichlorodifluoromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Ethyl Acetate	ND	49	1	B2E1142	05/12/2022	05/12/22 14:53	
Ethyl Ether	ND	49	1	B2E1142	05/12/2022	05/12/22 14:53	
Ethylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Freon-113	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Hexachlorobutadiene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Isopropylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
m,p-Xylene	ND	9.8	1	B2E1142	05/12/2022	05/12/22 14:53	
Methylene chloride	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
n-Butylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
n-Propylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Naphthalene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
o-Xylene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
sec-Butylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Styrene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
tert-Butylbenzene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Tetrachloroethene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Toluene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
trans-1,2-Dichloroethene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-7

Lab ID: 2201165-21

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Trichloroethene	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Trichlorofluoromethane	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Vinyl acetate	ND	49	1	B2E1142	05/12/2022	05/12/22 14:53	
Vinyl chloride	ND	4.9	1	B2E1142	05/12/2022	05/12/22 14:53	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*66 - 200*		B2E1142	05/12/2022	*05/12/22 14:53*	
Surrogate: 4-Bromofluorobenzene	*87.9 %*	*50 - 146*		B2E1142	05/12/2022	*05/12/22 14:53*	
Surrogate: Dibromofluoromethane	*107 %*	*77 - 159*		B2E1142	05/12/2022	*05/12/22 14:53*	
Surrogate: Toluene-d8	*101 %*	*81 - 128*		B2E1142	05/12/2022	*05/12/22 14:53*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified)

Analyst: HH

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.99	1	B2E1143	05/11/2022	05/11/22 08:43	
Surrogate: 4-Bromofluorobenzene	*111 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 08:43*	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-8
Lab ID: 2201165-22

Title 22 Metals by ICP-AES EPA 6010B

Analyst: en

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Arsenic	**2.1**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Barium	**100**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Beryllium	**2.5**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Cadmium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Chromium	**17**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Cobalt	**7.2**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Copper	**16**	2.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Lead	**7.7**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Molybdenum	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Nickel	**11**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Selenium	**3.4**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Silver	**4.9**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Thallium	ND	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Vanadium	**41**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	
Zinc	**46**	1.0	1	B2E1125	05/10/2022	05/10/22 16:07	

Diesel and Oil Range Organics by EPA 8015B

Analyst: EB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**27**	10	1	B2E1138	05/10/2022	05/11/22 13:51	
ORO	**14**	10	1	B2E1138	05/10/2022	05/11/22 13:51	
Surrogate: p-Terphenyl	*75.4 %*	*62 - 141*		B2E1138	05/10/2022	*05/11/22 13:51*	

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
4,4´-DDE	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
4,4´-DDT	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Aldrin	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
alpha-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
alpha-Chlordane	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
beta-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Chlordane [2C]	ND	17	2	B2E1146	05/10/2022	05/11/22 14:36	D10
delta-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10

Certificate of Analysis

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735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-8
Lab ID: 2201165-22

Organochlorine Pesticides by EPA 8081A

Analyst: EB

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dieldrin	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endosulfan I	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endosulfan II	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endosulfan sulfate	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endrin	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endrin aldehyde	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Endrin ketone	ND	4.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
gamma-BHC	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
gamma-Chlordane	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Heptachlor	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Heptachlor epoxide	ND	2.0	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Methoxychlor	ND	10	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Toxaphene	ND	100	2	B2E1146	05/10/2022	05/11/22 14:36	D10
Surrogate: Decachlorobiphenyl	*55.6 %*	*0 - 97*		B2E1146	05/10/2022	*05/11/22 14:36*	
Surrogate: Tetrachloro-m-xylene	*56.4 %*	*3 - 78*		B2E1146	05/10/2022	*05/11/22 14:36*	

Volatile Organic Compounds by EPA 8260B

Analyst: HH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1,1-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1,2-Trichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,1-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2,3-Trichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2,3-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2,4-Trichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2,4-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2-Dibromo-3-chloropropane	ND	10	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2-Dibromoethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2-Dichloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,3,5-Trimethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,3-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
1,3-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	

Certificate of Analysis

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San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-8

Lab ID: 2201165-22

Volatile Organic Compounds by EPA 8260B **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
2,2-Dichloropropane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
2-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
4-Chlorotoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
4-Isopropyltoluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Benzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Bromobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Bromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Bromodichloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Bromoform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Bromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Carbon disulfide	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Carbon tetrachloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Chlorobenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Chloroethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Chloroform	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Chloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
cis-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
cis-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Dibromochloromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Dibromomethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Dichlorodifluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Ethyl Acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 16:10	
Ethyl Ether	ND	50	1	B2E1142	05/12/2022	05/12/22 16:10	
Ethylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Freon-113	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Hexachlorobutadiene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Isopropylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
m,p-Xylene	ND	10	1	B2E1142	05/12/2022	05/12/22 16:10	
Methylene chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
n-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
n-Propylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Naphthalene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
o-Xylene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
sec-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Styrene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
tert-Butylbenzene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Tetrachloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Toluene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
trans-1,2-Dichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
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San Bernardino , CA 92408	Reported : 05/16/2022

Client Sample ID: CS-8

Lab ID: 2201165-22

Volatile Organic Compounds by EPA 8260B — **Analyst: HH**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,3-Dichloropropene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Trichloroethene	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Trichlorofluoromethane	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Vinyl acetate	ND	50	1	B2E1142	05/12/2022	05/12/22 16:10	
Vinyl chloride	ND	5.0	1	B2E1142	05/12/2022	05/12/22 16:10	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*66 - 200*		B2E1142	05/12/2022	*05/12/22 16:10*	
Surrogate: 4-Bromofluorobenzene	*88.4 %*	*50 - 146*		B2E1142	05/12/2022	*05/12/22 16:10*	
Surrogate: Dibromofluoromethane	*109 %*	*77 - 159*		B2E1142	05/12/2022	*05/12/22 16:10*	
Surrogate: Toluene-d8	*97.9 %*	*81 - 128*		B2E1142	05/12/2022	*05/12/22 16:10*	

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) — **Analyst: HH**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.99	1	B2E1143	05/11/2022	05/11/22 09:06	
Surrogate: 4-Bromofluorobenzene	*112 %*	*47.6 - 121.18*		B2E1143	05/11/2022	*05/11/22 09:06*	

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Stantec	Project Number : Dedeaux-Bloomington / 185805575
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San Bernardino , CA 92408	Reported : 05/16/2022

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1085 - GCVOA_S										
Blank (B2E1085-BLK1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.7687*			*0.800000*		*96.1*	*47.6 - 121.18*			
LCS (B2E1085-BS1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	5.03200	1.0	0.13	5.00000		101	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.8496*			*0.800000*		*106*	*47.6 - 121.18*			
LCS Dup (B2E1085-BSD1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	5.13900	1.0	0.13	5.00000		103	68.69 - 124.04	2.10	20	
Surrogate: 4-Bromofluorobenzene	*0.7720*			*0.800000*		*96.5*	*47.6 - 121.18*			
Matrix Spike (B2E1085-MS1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	2.50000	0.99	0.13	4.94071	ND	50.6	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.8510*			*0.800000*		*106*	*47.6 - 121.18*			
Matrix Spike Dup (B2E1085-MSD1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	2.25838	0.99	0.13	4.93097	ND	45.8	37.92 - 128.32	10.2	20	
Surrogate: 4-Bromofluorobenzene	*0.8587*			*0.800000*		*107*	*47.6 - 121.18*			

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Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1141 - GCVOA_S										
Blank (B2E1141-BLK1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.8374*			*0.800000*		*105*	*47.6 - 121.18*			
LCS (B2E1141-BS1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	4.62600	1.0	0.13	5.00000		92.5	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.8940*			*0.800000*		*112*	*47.6 - 121.18*			
LCS Dup (B2E1141-BSD1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	5.31100	1.0	0.13	5.00000		106	68.69 - 124.04	13.8	20	
Surrogate: 4-Bromofluorobenzene	*0.9394*			*0.800000*		*117*	*47.6 - 121.18*			
Matrix Spike (B2E1141-MS1)			**Source: 2201182-01**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	4.26745	1.0	0.13	5.00000	ND	85.3	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.9104*			*0.795229*		*114*	*47.6 - 121.18*			
Matrix Spike Dup (B2E1141-MSD1)			**Source: 2201182-01**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Gasoline Range Organics	3.96223	0.99	0.13	4.97018	ND	79.7	37.92 - 128.32	7.42	20	
Surrogate: 4-Bromofluorobenzene	*0.9219*			*0.800000*		*115*	*47.6 - 121.18*			

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Gasoline Range Organics by EPA 5030 / EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1143 - GCVOA_S										
Blank (B2E1143-BLK1)						Prepared: 5/11/2022 Analyzed: 5/11/2022				
Gasoline Range Organics	ND	1.0	0.13							
Surrogate: 4-Bromofluorobenzene	*0.8563*			*0.800000*		*107*	*47.6 - 121.18*			
LCS (B2E1143-BS1)						Prepared: 5/11/2022 Analyzed: 5/11/2022				
Gasoline Range Organics	4.06500	1.0	0.13	5.00000		81.3	68.69 - 124.04			
Surrogate: 4-Bromofluorobenzene	*0.9004*			*0.800000*		*113*	*47.6 - 121.18*			
LCS Dup (B2E1143-BSD1)						Prepared: 5/11/2022 Analyzed: 5/11/2022				
Gasoline Range Organics	4.36100	1.0	0.13	5.00000		87.2	68.69 - 124.04	7.03	20	
Surrogate: 4-Bromofluorobenzene	*0.8824*			*0.800000*		*110*	*47.6 - 121.18*			
Matrix Spike (B2E1143-MS1)			**Source: 2201165-16**			Prepared: 5/11/2022 Analyzed: 5/11/2022				
Gasoline Range Organics	3.86056	1.0	0.13	4.98008	ND	77.5	37.92 - 128.32			
Surrogate: 4-Bromofluorobenzene	*0.9097*			*0.800000*		*114*	*47.6 - 121.18*			
Matrix Spike Dup (B2E1143-MSD1)			**Source: 2201165-16**			Prepared: 5/11/2022 Analyzed: 5/11/2022				
Gasoline Range Organics	3.66932	1.0	0.13	4.98008	ND	73.7	37.92 - 128.32	5.08	20	
Surrogate: 4-Bromofluorobenzene	*0.9370*			*0.800000*		*117*	*47.6 - 121.18*			

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Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1125 - EPA 3050B_S										
Blank (B2E1125-BLK1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Arsenic	ND	1.0	0.12							
Lead	ND	1.0	0.18							
LCS (B2E1125-BS1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Arsenic	23.8642	1.0	0.12	25.0000		95.5	80 - 120			
Lead	24.1630	1.0	0.18	25.0000		96.7	80 - 120			
Matrix Spike (B2E1125-MS1)			**Source: 2201165-15**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Arsenic	24.9779	1.0	0.12	25.0000	1.94470	92.1	55 - 117			
Lead	36.2598	1.0	0.18	25.0000	13.4954	91.1	26 - 161			
Matrix Spike Dup (B2E1125-MSD1)			**Source: 2201165-15**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Arsenic	25.4963	1.0	0.12	25.0000	1.94470	94.2	55 - 117	2.05	20	
Lead	36.3632	1.0	0.18	25.0000	13.4954	91.5	26 - 161	0.285	20	

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1125 - EPA 3050B_S										
Blank (B2E1125-BLK1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B2E1125-BS1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Antimony	20.2822	2.0	0.51	25.0000		81.1	80 - 120			
Arsenic	23.8642	1.0	0.12	25.0000		95.5	80 - 120			
Barium	23.0274	1.0	0.12	25.0000		92.1	80 - 120			
Beryllium	24.0925	1.0	0.03	25.0100		96.3	80 - 120			
Cadmium	22.4715	1.0	0.14	25.0000		89.9	80 - 120			
Chromium	23.8813	1.0	0.26	25.0000		95.5	80 - 120			
Cobalt	24.5801	1.0	0.07	25.0000		98.3	80 - 120			
Copper	23.8833	2.0	0.19	25.0000		95.5	80 - 120			
Lead	24.1630	1.0	0.18	25.0000		96.7	80 - 120			
Molybdenum	24.8660	1.0	0.12	25.0000		99.5	80 - 120			
Nickel	24.5564	1.0	0.18	25.0000		98.2	80 - 120			
Selenium	25.0450	1.0	0.40	25.0000		100	80 - 120			
Silver	10.9703	1.0	0.12	12.5000		87.8	80 - 120			
Thallium	23.7144	1.0	0.38	25.0000		94.9	80 - 120			
Vanadium	23.0605	1.0	0.06	25.0000		92.2	80 - 120			
Zinc	23.0803	1.0	0.15	25.0000		92.3	80 - 120			
Matrix Spike (B2E1125-MS1)			**Source: 2201165-15**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Antimony	12.0233	2.0	0.51	25.0000	ND	48.1	0 - 102			
Arsenic	24.9779	1.0	0.12	25.0000	1.94470	92.1	55 - 117			
Barium	138.625	1.0	0.12	25.0000	118.844	79.1	11 - 177			
Beryllium	27.4681	1.0	0.03	25.0100	2.90396	98.2	64 - 115			
Cadmium	23.5213	1.0	0.14	25.0000	0.687428	91.3	62 - 116			
Chromium	41.4865	1.0	0.26	25.0000	15.8851	102	42 - 145			
Cobalt	30.6171	1.0	0.07	25.0000	7.11783	94.0	60 - 126			
Copper	42.8514	2.0	0.19	25.0000	15.3232	110	37 - 163			
Lead	36.2598	1.0	0.18	25.0000	13.4954	91.1	26 - 161			

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1125 - EPA 3050B_S (continued)										
Matrix Spike (B2E1125-MS1) - Continued			**Source: 2201165-15**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Molybdenum	23.7384	1.0	0.12	25.0000	0.371226	93.5	31 - 122			
Nickel	31.9711	1.0	0.18	25.0000	9.31412	90.6	52 - 130			
Selenium	28.3948	1.0	0.40	25.0000	6.09324	89.2	25 - 129			
Silver	12.9163	1.0	0.12	12.5000	6.00969	55.3	48 - 133			
Thallium	12.6898	1.0	0.38	25.0000	ND	50.8	25 - 119			
Vanadium	66.5106	1.0	0.06	25.0000	42.4358	96.3	51 - 141			
Zinc	75.5597	1.0	0.15	25.0000	54.4194	84.6	8 - 170			
Matrix Spike Dup (B2E1125-MSD1)			**Source: 2201165-15**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Antimony	12.2887	2.0	0.51	25.0000	ND	49.2	0 - 102	2.18	20	
Arsenic	25.4963	1.0	0.12	25.0000	1.94470	94.2	55 - 117	2.05	20	
Barium	130.400	1.0	0.12	25.0000	118.844	46.2	11 - 177	6.11	20	
Beryllium	26.1676	1.0	0.03	25.0100	2.90396	93.0	64 - 115	4.85	20	
Cadmium	22.3094	1.0	0.14	25.0000	0.687428	86.5	62 - 116	5.29	20	
Chromium	38.0690	1.0	0.26	25.0000	15.8851	88.7	42 - 145	8.59	20	
Cobalt	31.2507	1.0	0.07	25.0000	7.11783	96.5	60 - 126	2.05	20	
Copper	41.9164	2.0	0.19	25.0000	15.3232	106	37 - 163	2.21	20	
Lead	36.3632	1.0	0.18	25.0000	13.4954	91.5	26 - 161	0.285	20	
Molybdenum	24.3930	1.0	0.12	25.0000	0.371226	96.1	31 - 122	2.72	20	
Nickel	29.8536	1.0	0.18	25.0000	9.31412	82.2	52 - 130	6.85	20	
Selenium	29.2750	1.0	0.40	25.0000	6.09324	92.7	25 - 129	3.05	20	
Silver	13.3704	1.0	0.12	12.5000	6.00969	58.9	48 - 133	3.45	20	
Thallium	12.6559	1.0	0.38	25.0000	ND	50.6	25 - 119	0.267	20	
Vanadium	67.2048	1.0	0.06	25.0000	42.4358	99.1	51 - 141	1.04	20	
Zinc	74.3160	1.0	0.15	25.0000	54.4194	79.6	8 - 170	1.66	20	

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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1122 - EPA 7471_S										
Blank (B2E1122-BLK1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Mercury	ND	0.10	0.01							
LCS (B2E1122-BS1)						Prepared: 5/9/2022 Analyzed: 5/10/2022				
Mercury	0.487877	0.10	0.01	0.416667		117	80 - 120			
Matrix Spike (B2E1122-MS1)			**Source: 2201146-03**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Mercury	0.513062	0.10	0.01	0.416667	0.024722	117	70 - 130			
Matrix Spike Dup (B2E1122-MSD1)			**Source: 2201146-03**			Prepared: 5/9/2022 Analyzed: 5/10/2022				
Mercury	0.511720	0.10	0.01	0.416667	0.024722	117	70 - 130	0.262	20	

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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1122 - EPA 7471_S									
Post Spike (B2E1122-PS1)			**Source: 2201146-03**		Prepared: 5/9/2022 Analyzed: 5/10/2022				
Mercury	6.2237E-3		5.00000E-3	2.967E-4	119	85 - 115			M2

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Diesel and Oil Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1138 - GCSEMI_DRO_S										
Blank (B2E1138-BLK1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
DRO	ND	10	3.6							
ORO	ND	10	3.6							
Surrogate: p-Terphenyl	*60.26*			*80.0000*		*75.3*	*62 - 141*			
Blank (B2E1138-BLK2)						Prepared: 5/10/2022 Analyzed: 5/11/2022				
DRO	ND	10	3.6							
ORO	ND	10	3.6							
Surrogate: p-Terphenyl	*55.91*			*80.0000*		*69.9*	*62 - 141*			
LCS (B2E1138-BS1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
DRO	992.164	10	3.6	1000.00		99.2	56 - 139			
Surrogate: p-Terphenyl	*54.75*			*80.0000*		*68.4*	*62 - 141*			
LCS (B2E1138-BS2)						Prepared: 5/10/2022 Analyzed: 5/11/2022				
DRO	1003.28	10	3.6	1000.00		100	56 - 139			
Surrogate: p-Terphenyl	*61.64*			*80.0000*		*77.1*	*62 - 141*			
Matrix Spike (B2E1138-MS1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
DRO	619.535	10	3.6	1000.00	104.645	51.5	38 - 161			
Surrogate: p-Terphenyl	*66.30*			*80.0000*		*82.9*	*62 - 141*			
Matrix Spike Dup (B2E1138-MSD1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
DRO	643.285	10	3.6	1000.00	104.645	53.9	38 - 161	3.76	20	
Surrogate: p-Terphenyl	*61.35*			*80.0000*		*76.7*	*62 - 141*			

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Organochlorine Pesticides by EPA 8081A - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1146 - GCSEMI_PCB/PEST_S										
Blank (B2E1146-BLK1)							Prepared: 5/10/2022 Analyzed: 5/11/2022			
4,4´-DDD	ND	2.0	0.08							
4,4´-DDD [2C]	ND	2.0	0.08							
4,4´-DDE	ND	2.0	0.09							
4,4´-DDE [2C]	ND	2.0	0.09							
4,4´-DDT	ND	2.0	0.10							
4,4´-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.09							
Aldrin [2C]	ND	1.0	0.09							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.10							
alpha-Chlordane [2C]	ND	1.0	0.10							
beta-BHC	ND	1.0	0.15							
beta-BHC [2C]	ND	1.0	0.15							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.11							
delta-BHC [2C]	ND	1.0	0.11							
Dieldrin	ND	2.0	0.09							
Dieldrin [2C]	ND	2.0	0.09							
Endosulfan I	ND	1.0	0.09							
Endosulfan I [2C]	ND	1.0	0.09							
Endosulfan II	ND	2.0	0.09							
Endosulfan II [2C]	ND	2.0	0.09							
Endosulfan sulfate	ND	2.0	0.11							
Endosulfan Sulfate [2C]	ND	2.0	0.11							
Endrin	ND	2.0	0.07							
Endrin [2C]	ND	2.0	0.07							
Endrin aldehyde	ND	2.0	0.18							
Endrin aldehyde [2C]	ND	2.0	0.18							
Endrin ketone	ND	2.0	0.06							
Endrin ketone [2C]	ND	2.0	0.06							
gamma-BHC	ND	1.0	0.12							
gamma-BHC [2C]	ND	1.0	0.12							
gamma-Chlordane	ND	1.0	0.11							
gamma-Chlordane [2C]	ND	1.0	0.11							
Heptachlor	ND	1.0	0.10							
Heptachlor [2C]	ND	1.0	0.10							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.14							
Methoxychlor [2C]	ND	5.0	0.14							
Toxaphene	ND	50	3.6							
Toxaphene [2C]	ND	50	3.6							

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1146 - GCSEMI_PCB/PEST_S (continued)										
Blank (B2E1146-BLK1) - Continued						Prepared: 5/10/2022 Analyzed: 5/11/2022				
Surrogate: Decachlorobiphenyl	*11.44*			*16.6667*		*68.7*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*0.1375*			*16.6667*		*0.825*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*11.38*			*16.6667*		*68.3*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.624*			*16.6667*		*51.7*	*6 - 76*			
LCS (B2E1146-BS1)						Prepared: 5/10/2022 Analyzed: 5/11/2022				
4,4´-DDD	14.8663	2.0	0.08	16.6667		89.2	35 - 94			
4,4´-DDD [2C]	10.7603	2.0	0.08	16.6667		64.6	38 - 85			
4,4´-DDE	11.1163	2.0	0.09	16.6667		66.7	27 - 81			
4,4´-DDE [2C]	12.3227	2.0	0.09	16.6667		73.9	32 - 84			
4,4´-DDT	10.7030	2.0	0.10	16.6667		64.2	22 - 87			
4,4´-DDT [2C]	10.5932	2.0	0.10	16.6667		63.6	23 - 91			
Aldrin	10.8553	1.0	0.09	16.6667		65.1	23 - 75			
Aldrin [2C]	8.46483	1.0	0.09	16.6667		50.8	25 - 79			
alpha-BHC	11.3765	1.0	0.11	16.6667		68.3	23 - 77			
alpha-BHC [2C]	9.44700	1.0	0.11	16.6667		56.7	39 - 92			
alpha-Chlordane	12.8532	1.0	0.10	16.6667		77.1	30 - 85			
alpha-Chlordane [2C]	11.4282	1.0	0.10	16.6667		68.6	33 - 91			
beta-BHC	11.3793	1.0	0.15	16.6667		68.3	29 - 77			
beta-BHC [2C]	9.97550	1.0	0.15	16.6667		59.9	30 - 80			
delta-BHC	14.9495	1.0	0.11	16.6667		89.7	30 - 85			L3
delta-BHC [2C]	11.3053	1.0	0.11	16.6667		67.8	33 - 92			
Dieldrin	11.3777	2.0	0.09	16.6667		68.3	31 - 80			
Dieldrin [2C]	10.4265	2.0	0.09	16.6667		62.6	33 - 82			
Endosulfan I	11.1963	1.0	0.09	16.6667		67.2	27 - 74			
Endosulfan I [2C]	8.94267	1.0	0.09	16.6667		53.7	30 - 79			
Endosulfan II	11.1312	2.0	0.09	16.6667		66.8	37 - 86			
Endosulfan II [2C]	10.1233	2.0	0.09	16.6667		60.7	38 - 86			
Endosulfan sulfate	11.5140	2.0	0.11	16.6667		69.1	32 - 80			
Endosulfan Sulfate [2C]	10.3953	2.0	0.11	16.6667		62.4	32 - 87			
Endrin	11.5025	2.0	0.07	16.6667		69.0	35 - 92			
Endrin [2C]	10.9518	2.0	0.07	16.6667		65.7	39 - 98			
Endrin aldehyde	12.5385	2.0	0.18	16.6667		75.2	29 - 82			
Endrin aldehyde [2C]	11.6810	2.0	0.18	16.6667		70.1	30 - 91			
Endrin ketone	8.62517	2.0	0.06	16.6667		51.8	30 - 85			
Endrin ketone [2C]	10.8918	2.0	0.06	16.6667		65.4	32 - 84			
gamma-BHC	12.0682	1.0	0.12	16.6667		72.4	25 - 81			
gamma-BHC [2C]	10.0458	1.0	0.12	16.6667		60.3	26 - 83			
gamma-Chlordane	8.11200	1.0	0.11	16.6667		48.7	30 - 77			
gamma-Chlordane [2C]	9.39550	1.0	0.11	16.6667		56.4	32 - 79			
Heptachlor	13.1938	1.0	0.10	16.6667		79.2	23 - 85			
Heptachlor [2C]	10.1058	1.0	0.10	16.6667		60.6	28 - 84			
Heptachlor epoxide	11.2328	1.0	0.09	16.6667		67.4	26 - 76			
Heptachlor epoxide [2C]	9.54817	1.0	0.09	16.6667		57.3	29 - 80			
Methoxychlor	12.9675	5.0	0.14	16.6667		77.8	27 - 93			

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1146 - GCSEMI_PCB/PEST_S (continued)										
LCS (B2E1146-BS1) - Continued						Prepared: 5/10/2022 Analyzed: 5/11/2022				
Methoxychlor [2C]	11.6412	5.0	0.14	16.6667		69.8	27 - 98			
Surrogate: Decachlorobiphenyl	*11.49*			*16.6667*		*69.0*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*6.686*			*16.6667*		*40.1*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*10.98*			*16.6667*		*65.9*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*8.704*			*16.6667*		*52.2*	*6 - 76*			
Matrix Spike (B2E1146-MS1)			**Source: 2201165-05**			Prepared: 5/10/2022 Analyzed: 5/11/2022				
4,4´-DDD	10.4558	10	0.39	16.6667	ND	62.7	13 - 84			D10
4,4´-DDD [2C]	9.22417	10	0.39	16.6667	ND	55.3	9 - 91			D10
4,4´-DDE	9.88500	10	0.47	16.6667	ND	59.3	0 - 115			D10
4,4´-DDE [2C]	3.40500	10	0.47	16.6667	ND	20.4	0 - 142			D10
4,4´-DDT	8.56500	10	0.50	16.6667	ND	51.4	0 - 116			D10
4,4´-DDT [2C]	8.33917	10	0.50	16.6667	ND	50.0	0 - 112			D10
Aldrin	8.45417	5.0	0.44	16.6667	ND	50.7	5 - 80			D10
Aldrin [2C]	7.66500	5.0	0.44	16.6667	ND	46.0	4 - 86			D10
alpha-BHC	8.83000	5.0	0.54	16.6667	ND	53.0	10 - 76			D10
alpha-BHC [2C]	8.16333	5.0	0.54	16.6667	ND	49.0	8 - 86			D10
alpha-Chlordane	9.74000	5.0	0.52	16.6667	ND	58.4	6 - 92			D10
alpha-Chlordane [2C]	10.0500	5.0	0.52	16.6667	ND	60.3	1 - 112			D10
beta-BHC	9.57000	5.0	0.75	16.6667	ND	57.4	14 - 72			D10
beta-BHC [2C]	7.79250	5.0	0.75	16.6667	ND	46.8	16 - 76			D10
delta-BHC	9.71917	5.0	0.56	16.6667	ND	58.3	14 - 76			D10
delta-BHC [2C]	7.93667	5.0	0.56	16.6667	ND	47.6	12 - 86			D10
Dieldrin	8.75667	10	0.44	16.6667	ND	52.5	0 - 122			D10
Dieldrin [2C]	8.22500	10	0.44	16.6667	ND	49.3	0 - 110			D10
Endosulfan I	8.71917	5.0	0.46	16.6667	ND	52.3	6 - 80			D10
Endosulfan I [2C]	6.62500	5.0	0.46	16.6667	ND	39.7	0 - 96			D10
Endosulfan II	8.29583	10	0.46	16.6667	ND	49.8	17 - 82			D10
Endosulfan II [2C]	8.14250	10	0.46	16.6667	ND	48.9	6 - 98			D10
Endosulfan sulfate	8.29083	10	0.54	16.6667	ND	49.7	9 - 78			D10
Endosulfan Sulfate [2C]	8.10750	10	0.54	16.6667	ND	48.6	14 - 75			D10
Endrin	9.53500	10	0.34	16.6667	ND	57.2	6 - 111			D10
Endrin [2C]	9.06917	10	0.34	16.6667	ND	54.4	21 - 94			D10
Endrin aldehyde	8.69583	10	0.92	16.6667	ND	52.2	0 - 121			D10
Endrin aldehyde [2C]	9.96667	10	0.92	16.6667	ND	59.8	9 - 87			D10
Endrin ketone	6.81750	10	0.31	16.6667	ND	40.9	8 - 78			D10
Endrin ketone [2C]	9.38083	10	0.31	16.6667	ND	56.3	10 - 84			D10
gamma-BHC	10.7283	5.0	0.62	16.6667	ND	64.4	14 - 81			D10
gamma-BHC [2C]	9.18583	5.0	0.62	16.6667	ND	55.1	13 - 84			D10
gamma-Chlordane	6.30750	5.0	0.54	16.6667	ND	37.8	12 - 79			D10
gamma-Chlordane [2C]	7.90500	5.0	0.54	16.6667	ND	47.4	11 - 82			D10
Heptachlor	8.53000	5.0	0.51	16.6667	ND	51.2	3 - 92			D10
Heptachlor [2C]	8.96333	5.0	0.51	16.6667	ND	53.8	15 - 81			D10
Heptachlor epoxide	9.17500	5.0	0.44	16.6667	ND	55.0	11 - 75			D10
Heptachlor epoxide [2C]	8.34667	5.0	0.44	16.6667	ND	50.1	16 - 76			D10

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Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1146 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike (B2E1146-MS1) - Continued			**Source: 2201165-05**			Prepared: 5/10/2022 Analyzed: 5/11/2022				
Methoxychlor	10.7500	25	0.72	16.6667	ND	64.5	0 - 101			D10
Methoxychlor [2C]	8.19750	25	0.72	16.6667	ND	49.2	0 - 110			D10
Surrogate: Decachlorobiphenyl	*8.254*			*16.6667*		*49.5*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*5.998*			*16.6667*		*36.0*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*12.30*			*16.6667*		*73.8*	*3 - 78*			
Surrogate: Tetrachloro-m-xylene [2C]	*7.936*			*16.6667*		*47.6*	*6 - 76*			
Matrix Spike Dup (B2E1146-MSD1)			**Source: 2201165-05**			Prepared: 5/10/2022 Analyzed: 5/11/2022				
4,4´-DDD	10.7017	10	0.39	16.6667	ND	64.2	13 - 84	2.32	20	D10
4,4´-DDD [2C]	9.57667	10	0.39	16.6667	ND	57.5	9 - 91	3.75	20	D10
4,4´-DDE	10.0133	10	0.47	16.6667	ND	60.1	0 - 115	1.29	20	D10
4,4´-DDE [2C]	10.8150	10	0.47	16.6667	ND	64.9	0 - 142	104	20	D10, R
4,4´-DDT	8.80583	10	0.50	16.6667	ND	52.8	0 - 116	2.77	20	D10
4,4´-DDT [2C]	8.53083	10	0.50	16.6667	ND	51.2	0 - 112	2.27	20	D10
Aldrin	8.55500	5.0	0.44	16.6667	ND	51.3	5 - 80	1.19	20	D10
Aldrin [2C]	15.5900	5.0	0.44	16.6667	ND	93.5	4 - 86	68.2	20	D10, M6, R
alpha-BHC	8.91750	5.0	0.54	16.6667	ND	53.5	10 - 76	0.986	20	D10
alpha-BHC [2C]	4.90917	5.0	0.54	16.6667	ND	29.5	8 - 86	49.8	20	D10, R
alpha-Chlordane	12.5925	5.0	0.52	16.6667	ND	75.6	6 - 92	25.5	20	D10, R
alpha-Chlordane [2C]	10.3508	5.0	0.52	16.6667	ND	62.1	1 - 112	2.95	20	D10
beta-BHC	8.16250	5.0	0.75	16.6667	ND	49.0	14 - 72	15.9	20	D10
beta-BHC [2C]	8.05583	5.0	0.75	16.6667	ND	48.3	16 - 76	3.32	20	D10
delta-BHC	11.4517	5.0	0.56	16.6667	ND	68.7	14 - 76	16.4	20	D10
delta-BHC [2C]	8.36500	5.0	0.56	16.6667	ND	50.2	12 - 86	5.26	20	D10
Dieldrin	8.98750	10	0.44	16.6667	ND	53.9	0 - 122	2.60	20	D10
Dieldrin [2C]	8.81000	10	0.44	16.6667	ND	52.9	0 - 110	6.87	20	D10
Endosulfan I	10.3325	5.0	0.46	16.6667	ND	62.0	6 - 80	16.9	20	D10
Endosulfan I [2C]	6.87500	5.0	0.46	16.6667	ND	41.2	0 - 96	3.70	20	D10
Endosulfan II	8.37417	10	0.46	16.6667	ND	50.2	17 - 82	0.940	20	D10
Endosulfan II [2C]	8.30667	10	0.46	16.6667	ND	49.8	6 - 98	2.00	20	D10
Endosulfan sulfate	8.72667	10	0.54	16.6667	ND	52.4	9 - 78	5.12	20	D10
Endosulfan Sulfate [2C]	7.98333	10	0.54	16.6667	ND	47.9	14 - 75	1.54	20	D10
Endrin	9.78417	10	0.34	16.6667	ND	58.7	6 - 111	2.58	20	D10
Endrin [2C]	9.38667	10	0.34	16.6667	ND	56.3	21 - 94	3.44	20	D10
Endrin aldehyde	8.86083	10	0.92	16.6667	ND	53.2	0 - 121	1.88	20	D10
Endrin aldehyde [2C]	8.41917	10	0.92	16.6667	ND	50.5	9 - 87	16.8	20	D10
Endrin ketone	6.83417	10	0.31	16.6667	ND	41.0	8 - 78	0.244	20	D10
Endrin ketone [2C]	9.45917	10	0.31	16.6667	ND	56.8	10 - 84	0.832	20	D10
gamma-BHC	9.70583	5.0	0.62	16.6667	ND	58.2	14 - 81	10.0	20	D10
gamma-BHC [2C]	9.02667	5.0	0.62	16.6667	ND	54.2	13 - 84	1.75	20	D10
gamma-Chlordane	914.080	5.0	0.54	16.6667	ND	5480	12 - 79	197	20	D10, M6, R
gamma-Chlordane [2C]	8.21500	5.0	0.54	16.6667	ND	49.3	11 - 82	3.85	20	D10
Heptachlor	9.21417	5.0	0.51	16.6667	ND	55.3	3 - 92	7.71	20	D10
Heptachlor [2C]	9.24417	5.0	0.51	16.6667	ND	55.5	15 - 81	3.08	20	D10
Heptachlor epoxide	8.98167	5.0	0.44	16.6667	ND	53.9	11 - 75	2.13	20	D10

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Organochlorine Pesticides by EPA 8081A - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1146 - GCSEMI_PCB/PEST_S (continued)										
Matrix Spike Dup (B2E1146-MSD1) - Continued			**Source: 2201165-05**			Prepared: 5/10/2022 Analyzed: 5/11/2022				
Heptachlor epoxide [2C]	8.58167	5.0	0.44	16.6667	ND	51.5	16 - 76	2.78	20	D10
Methoxychlor	9.89417	25	0.72	16.6667	ND	59.4	0 - 101	8.29	20	D10
Methoxychlor [2C]	8.13417	25	0.72	16.6667	ND	48.8	0 - 110	0.776	20	D10
Surrogate: Decachlorobiphenyl	*8.622*			*16.6667*		*51.7*	*0 - 97*			
Surrogate: Decachlorobiphenyl [2C]	*6.178*			*16.6667*		*37.1*	*0 - 89*			
Surrogate: Tetrachloro-m-xylene	*18.49*			*16.6667*		*111*	*3 - 78*			S4
Surrogate: Tetrachloro-m-xylene [2C]	*7.424*			*16.6667*		*44.5*	*6 - 76*			

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S										
Blank (B2E1134-BLK1)							Prepared: 5/10/2022 Analyzed: 5/10/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
Blank (B2E1134-BLK1) - Continued						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*44.76*			*50.0000*		*89.5*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*44.92*			*50.0000*		*89.8*	*50 - 146*			
Surrogate: Dibromofluoromethane	*48.01*			*50.0000*		*96.0*	*77 - 159*			
Surrogate: Toluene-d8	*48.64*			*50.0000*		*97.3*	*81 - 128*			
Blank (B2E1134-BLK2)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
Blank (B2E1134-BLK2) - Continued						Prepared: 5/10/2022 Analyzed: 5/10/2022				
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	7.94000	5.0	2.5							B4
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
Blank (B2E1134-BLK2) - Continued						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Surrogate: 1,2-Dichloroethane-d4	*48.13*			*50.0000*		*96.3*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*45.64*			*50.0000*		*91.3*	*50 - 146*			
Surrogate: Dibromofluoromethane	*46.46*			*50.0000*		*92.9*	*77 - 159*			
Surrogate: Toluene-d8	*50.02*			*50.0000*		*100*	*81 - 128*			
LCS (B2E1134-BS1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
1,1,1,2-Tetrachloroethane	48.1500	5.0	0.52	50.0000		96.3	84 - 123			
1,1,1-Trichloroethane	50.1700	5.0	0.26	50.0000		100	78 - 133			
1,1,2,2-Tetrachloroethane	43.4900	5.0	0.21	50.0000		87.0	63 - 127			
1,1,2-Trichloroethane	46.6300	5.0	0.40	50.0000		93.3	80 - 125			
1,1-Dichloroethane	49.0900	5.0	1.4	50.0000		98.2	77 - 128			
1,1-Dichloroethene	45.9400	5.0	1.9	50.0000		91.9	69 - 138			
1,1-Dichloropropene	46.4300	5.0	0.54	50.0000		92.9	80 - 133			
1,2,3-Trichloropropane	42.5100	5.0	0.40	50.0000		85.0	74 - 123			
1,2,3-Trichlorobenzene	40.5200	5.0	0.83	50.0000		81.0	79 - 133			
1,2,4-Trichlorobenzene	40.5800	5.0	0.80	50.0000		81.2	73 - 131			
1,2,4-Trimethylbenzene	44.6600	5.0	0.91	50.0000		89.3	86 - 137			
1,2-Dibromo-3-chloropropane	49.0000	10	1.1	50.0000		98.0	62 - 127			
1,2-Dibromoethane	47.3200	5.0	0.40	50.0000		94.6	83 - 126			
1,2-Dichlorobenzene	44.4200	5.0	0.21	50.0000		88.8	83 - 123			
1,2-Dichloroethane	51.0000	5.0	0.50	50.0000		102	76 - 128			
1,2-Dichloropropane	46.6200	5.0	0.46	50.0000		93.2	77 - 121			
1,3,5-Trimethylbenzene	43.9200	5.0	0.70	50.0000		87.8	84 - 135			
1,3-Dichlorobenzene	44.1800	5.0	0.36	50.0000		88.4	81 - 126			
1,3-Dichloropropane	49.9400	5.0	0.49	50.0000		99.9	80 - 118			
1,4-Dichlorobenzene	45.4600	5.0	0.27	50.0000		90.9	80 - 124			
2,2-Dichloropropane	48.9000	5.0	0.28	50.0000		97.8	72 - 135			
2-Chlorotoluene	44.0700	5.0	0.53	50.0000		88.1	81 - 127			
4-Chlorotoluene	45.3200	5.0	0.40	50.0000		90.6	83 - 127			
4-Isopropyltoluene	43.3800	5.0	0.81	50.0000		86.8	82 - 143			
Benzene	49.4500	5.0	0.36	50.0000		98.9	84 - 123			
Bromobenzene	44.7700	5.0	0.62	50.0000		89.5	80 - 122			
Bromochloromethane	52.2600	5.0	0.30	50.0000		105	83 - 127			
Bromodichloromethane	48.8500	5.0	0.52	50.0000		97.7	82 - 123			
Bromoform	50.0800	5.0	1.4	50.0000		100	80 - 132			
Bromomethane	48.8700	5.0	2.5	50.0000		97.7	67 - 176			B
Carbon disulfide	35.5000	5.0	0.94	50.0000		71.0	75 - 138			L3
Carbon tetrachloride	49.5300	5.0	0.73	50.0000		99.1	76 - 131			
Chlorobenzene	46.2900	5.0	0.42	50.0000		92.6	84 - 119			
Chloroethane	55.4500	5.0	1.5	50.0000		111	56 - 170			
Chloroform	50.2200	5.0	0.24	50.0000		100	78 - 129			
Chloromethane	47.6000	5.0	1.1	50.0000		95.2	63 - 141			
cis-1,2-Dichloroethene	39.3700	5.0	0.20	50.0000		78.7	83 - 125			L3
cis-1,3-Dichloropropene	44.4400	5.0	0.39	50.0000		88.9	76 - 129			
Dibromochloromethane	49.0500	5.0	0.81	50.0000		98.1	81 - 120			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
LCS (B2E1134-BS1) - Continued						Prepared: 5/10/2022 Analyzed: 5/10/2022				
Dibromomethane	50.1700	5.0	0.23	50.0000		100	79 - 124			
Dichlorodifluoromethane	59.9500	5.0	0.14	50.0000		120	18 - 199			
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138			MO
Ethyl Ether	475.610	50	17	500.000		95.1	74 - 128			
Ethylbenzene	49.8500	5.0	0.43	50.0000		99.7	86 - 130			
Freon-113	44.5100	5.0	1.3	50.0000		89.0	66 - 132			
Hexachlorobutadiene	42.9900	5.0	0.40	50.0000		86.0	64 - 135			
Isopropylbenzene	45.3600	5.0	0.79	50.0000		90.7	80 - 133			
m,p-Xylene	96.5900	10	0.98	100.000		96.6	89 - 133			
Methylene chloride	51.8600	5.0	2.2	50.0000		104	72 - 143			
n-Butylbenzene	41.4400	5.0	1.2	50.0000		82.9	76 - 144			
n-Propylbenzene	43.5800	5.0	0.78	50.0000		87.2	81 - 136			
Naphthalene	38.6700	5.0	1.1	50.0000		77.3	64 - 128			
o-Xylene	47.9200	5.0	0.67	50.0000		95.8	82 - 134			
sec-Butylbenzene	45.0200	5.0	0.63	50.0000		90.0	81 - 138			
Styrene	48.1600	5.0	0.45	50.0000		96.3	79 - 152			
tert-Butylbenzene	42.0700	5.0	0.80	50.0000		84.1	81 - 135			
Tetrachloroethene	48.5200	5.0	0.31	50.0000		97.0	75 - 127			
Toluene	48.2700	5.0	0.27	50.0000		96.5	88 - 130			
trans-1,2-Dichloroethene	69.2800	5.0	0.56	50.0000		139	79 - 127			L5
trans-1,3-Dichloropropene	43.3000	5.0	0.59	50.0000		86.6	80 - 130			
Trichloroethene	47.9300	5.0	0.32	50.0000		95.9	83 - 126			
Trichlorofluoromethane	52.4300	5.0	1.0	50.0000		105	62 - 143			
Vinyl acetate	109.360	50	6.0	500.000		21.9	69 - 150			MO
Vinyl chloride	52.9900	5.0	0.92	50.0000		106	69 - 140			
Surrogate: 1,2-Dichloroethane-d4	*52.51*			*50.0000*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.80*			*50.0000*		*104*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.13*			*50.0000*		*102*	*77 - 159*			
Surrogate: Toluene-d8	*49.55*			*50.0000*		*99.1*	*81 - 128*			
LCS Dup (B2E1134-BSD1)						Prepared: 5/10/2022 Analyzed: 5/10/2022				
1,1,1,2-Tetrachloroethane	46.2100	5.0	0.52	50.0000		92.4	84 - 123	4.11	20	
1,1,1-Trichloroethane	50.3900	5.0	0.26	50.0000		101	78 - 133	0.438	20	
1,1,2,2-Tetrachloroethane	43.3000	5.0	0.21	50.0000		86.6	63 - 127	0.438	20	
1,1,2-Trichloroethane	45.5100	5.0	0.40	50.0000		91.0	80 - 125	2.43	20	
1,1-Dichloroethane	49.1100	5.0	1.4	50.0000		98.2	77 - 128	0.0407	20	
1,1-Dichloroethene	44.8800	5.0	1.9	50.0000		89.8	69 - 138	2.33	20	
1,1-Dichloropropene	49.2800	5.0	0.54	50.0000		98.6	80 - 133	5.96	20	
1,2,3-Trichloropropane	43.3500	5.0	0.40	50.0000		86.7	74 - 123	1.96	20	
1,2,3-Trichlorobenzene	39.1500	5.0	0.83	50.0000		78.3	79 - 133	3.44	20	L3
1,2,4-Trichlorobenzene	39.8300	5.0	0.80	50.0000		79.7	73 - 131	1.87	20	
1,2,4-Trimethylbenzene	44.1600	5.0	0.91	50.0000		88.3	86 - 137	1.13	20	
1,2-Dibromo-3-chloropropane	41.9000	10	1.1	50.0000		83.8	62 - 127	15.6	20	
1,2-Dibromoethane	45.9900	5.0	0.40	50.0000		92.0	83 - 126	2.85	20	
1,2-Dichlorobenzene	44.7400	5.0	0.21	50.0000		89.5	83 - 123	0.718	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
LCS Dup (B2E1134-BSD1) - Continued					Prepared: 5/10/2022 Analyzed: 5/10/2022					
1,2-Dichloroethane	48.4900	5.0	0.50	50.0000		97.0	76 - 128	5.05	20	
1,2-Dichloropropane	47.4100	5.0	0.46	50.0000		94.8	77 - 121	1.68	20	
1,3,5-Trimethylbenzene	44.7200	5.0	0.70	50.0000		89.4	84 - 135	1.81	20	
1,3-Dichlorobenzene	44.6400	5.0	0.36	50.0000		89.3	81 - 126	1.04	20	
1,3-Dichloropropane	45.7500	5.0	0.49	50.0000		91.5	80 - 118	8.76	20	
1,4-Dichlorobenzene	44.1300	5.0	0.27	50.0000		88.3	80 - 124	2.97	20	
2,2-Dichloropropane	49.2200	5.0	0.28	50.0000		98.4	72 - 135	0.652	20	
2-Chlorotoluene	45.1000	5.0	0.53	50.0000		90.2	81 - 127	2.31	20	
4-Chlorotoluene	45.1200	5.0	0.40	50.0000		90.2	83 - 127	0.442	20	
4-Isopropyltoluene	44.7500	5.0	0.81	50.0000		89.5	82 - 143	3.11	20	
Benzene	49.1400	5.0	0.36	50.0000		98.3	84 - 123	0.629	20	
Bromobenzene	45.7900	5.0	0.62	50.0000		91.6	80 - 122	2.25	20	
Bromochloromethane	48.1900	5.0	0.30	50.0000		96.4	83 - 127	8.10	20	
Bromodichloromethane	47.2600	5.0	0.52	50.0000		94.5	82 - 123	3.31	20	
Bromoform	44.2700	5.0	1.4	50.0000		88.5	80 - 132	12.3	20	
Bromomethane	47.4100	5.0	2.5	50.0000		94.8	67 - 176	3.03	20	B
Carbon disulfide	36.8500	5.0	0.94	50.0000		73.7	75 - 138	3.73	20	L3
Carbon tetrachloride	50.0200	5.0	0.73	50.0000		100	76 - 131	0.984	20	
Chlorobenzene	44.6000	5.0	0.42	50.0000		89.2	84 - 119	3.72	20	
Chloroethane	53.7300	5.0	1.5	50.0000		107	56 - 170	3.15	20	
Chloroform	48.3900	5.0	0.24	50.0000		96.8	78 - 129	3.71	20	
Chloromethane	50.8600	5.0	1.1	50.0000		102	63 - 141	6.62	20	
cis-1,2-Dichloroethene	37.7300	5.0	0.20	50.0000		75.5	83 - 125	4.25	20	L3
cis-1,3-Dichloropropene	44.3200	5.0	0.39	50.0000		88.6	76 - 129	0.270	20	
Dibromochloromethane	43.9700	5.0	0.81	50.0000		87.9	81 - 120	10.9	20	
Dibromomethane	45.8800	5.0	0.23	50.0000		91.8	79 - 124	8.93	20	
Dichlorodifluoromethane	60.8700	5.0	0.14	50.0000		122	18 - 199	1.52	20	
Ethyl Acetate	ND	50	7.0	500.000		NR	76 - 138	NR	20	MO
Ethyl Ether	467.070	50	17	500.000		93.4	74 - 128	1.81	20	
Ethylbenzene	47.5500	5.0	0.43	50.0000		95.1	86 - 130	4.72	20	
Freon-113	48.2500	5.0	1.3	50.0000		96.5	66 - 132	8.06	20	
Hexachlorobutadiene	44.7300	5.0	0.40	50.0000		89.5	64 - 135	3.97	20	
Isopropylbenzene	46.4400	5.0	0.79	50.0000		92.9	80 - 133	2.35	20	
m,p-Xylene	91.0000	10	0.98	100.000		91.0	89 - 133	5.96	20	
Methylene chloride	48.8600	5.0	2.2	50.0000		97.7	72 - 143	5.96	20	
n-Butylbenzene	44.7800	5.0	1.2	50.0000		89.6	76 - 144	7.75	20	
n-Propylbenzene	44.4100	5.0	0.78	50.0000		88.8	81 - 136	1.89	20	
Naphthalene	37.8800	5.0	1.1	50.0000		75.8	64 - 128	2.06	20	
o-Xylene	46.0300	5.0	0.67	50.0000		92.1	82 - 134	4.02	20	
sec-Butylbenzene	46.6200	5.0	0.63	50.0000		93.2	81 - 138	3.49	20	
Styrene	44.6400	5.0	0.45	50.0000		89.3	79 - 152	7.59	20	
tert-Butylbenzene	45.1000	5.0	0.80	50.0000		90.2	81 - 135	6.95	20	
Tetrachloroethene	48.4900	5.0	0.31	50.0000		97.0	75 - 127	0.0618	20	
Toluene	47.7200	5.0	0.27	50.0000		95.4	88 - 130	1.15	20	
trans-1,2-Dichloroethene	66.2100	5.0	0.56	50.0000		132	79 - 127	4.53	20	L4

Certificate of Analysis

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
LCS Dup (B2E1134-BSD1) - Continued						Prepared: 5/10/2022 Analyzed: 5/10/2022				
trans-1,3-Dichloropropene	43.3200	5.0	0.59	50.0000		86.6	80 - 130	0.0462	20	
Trichloroethene	46.0000	5.0	0.32	50.0000		92.0	83 - 126	4.11	20	
Trichlorofluoromethane	53.2200	5.0	1.0	50.0000		106	62 - 143	1.50	20	
Vinyl acetate	102.870	50	6.0	500.000		20.6	69 - 150	6.12	20	MO
Vinyl chloride	51.3900	5.0	0.92	50.0000		103	69 - 140	3.07	20	
Surrogate: 1,2-Dichloroethane-d4	*51.14*			*50.0000*		*102*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.83*			*50.0000*		*104*	*50 - 146*			
Surrogate: Dibromofluoromethane	*50.49*			*50.0000*		*101*	*77 - 159*			
Surrogate: Toluene-d8	*50.54*			*50.0000*		*101*	*81 - 128*			
Matrix Spike (B2E1134-MS1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
1,1,1,2-Tetrachloroethane	36.3976	4.9	0.51	49.2126	ND	74.0	50 - 126			
1,1,1-Trichloroethane	42.5984	4.9	0.26	49.2126	ND	86.6	56 - 144			
1,1,2,2-Tetrachloroethane	38.2874	4.9	0.20	49.2126	ND	77.8	20 - 153			
1,1,2-Trichloroethane	37.9724	4.9	0.40	49.2126	ND	77.2	0 - 421			
1,1-Dichloroethane	40.8760	4.9	1.3	49.2126	ND	83.1	58 - 131			
1,1-Dichloroethene	41.4272	4.9	1.9	49.2126	ND	84.2	60 - 143			
1,1-Dichloropropene	43.2874	4.9	0.53	49.2126	ND	88.0	57 - 144			
1,2,3-Trichloropropane	37.4410	4.9	0.39	49.2126	ND	76.1	52 - 121			
1,2,3-Trichlorobenzene	20.1575	4.9	0.82	49.2126	ND	41.0	0 - 153			
1,2,4-Trichlorobenzene	22.2539	4.9	0.79	49.2126	ND	45.2	0 - 146			
1,2,4-Trimethylbenzene	34.2520	4.9	0.89	49.2126	ND	69.6	26 - 155			
1,2-Dibromo-3-chloropropane	34.4882	9.8	1.1	49.2126	ND	70.1	36 - 125			
1,2-Dibromoethane	36.7716	4.9	0.40	49.2126	ND	74.7	56 - 127			
1,2-Dichlorobenzene	32.9232	4.9	0.21	49.2126	ND	66.9	26 - 136			
1,2-Dichloroethane	39.9902	4.9	0.50	49.2126	ND	81.3	60 - 118			
1,2-Dichloropropane	39.6358	4.9	0.45	49.2126	ND	80.5	52 - 124			
1,3,5-Trimethylbenzene	34.6358	4.9	0.69	49.2126	ND	70.4	31 - 152			
1,3-Dichlorobenzene	33.4449	4.9	0.36	49.2126	ND	68.0	26 - 140			
1,3-Dichloropropane	37.8740	4.9	0.48	49.2126	ND	77.0	56 - 118			
1,4-Dichlorobenzene	34.9410	4.9	0.27	49.2126	ND	71.0	27 - 136			
2,2-Dichloropropane	42.2736	4.9	0.27	49.2126	ND	85.9	50 - 146			
2-Chlorotoluene	35.8169	4.9	0.52	49.2126	ND	72.8	28 - 149			
4-Chlorotoluene	35.9449	4.9	0.39	49.2126	ND	73.0	35 - 142			
4-Isopropyltoluene	33.6614	4.9	0.80	49.2126	ND	68.4	12 - 175			
Benzene	42.0472	4.9	0.35	49.2126	ND	85.4	61 - 127			
Bromobenzene	37.3425	4.9	0.61	49.2126	ND	75.9	40 - 129			
Bromochloromethane	41.5551	4.9	0.29	49.2126	ND	84.4	57 - 135			
Bromodichloromethane	38.3760	4.9	0.52	49.2126	ND	78.0	58 - 119			
Bromoform	36.6634	4.9	1.4	49.2126	ND	74.5	48 - 130			
Bromomethane	40.2362	4.9	2.4	49.2126	ND	81.8	40 - 183			B
Carbon disulfide	31.8209	4.9	0.93	49.2126	ND	64.7	49 - 153			
Carbon tetrachloride	42.1850	4.9	0.72	49.2126	ND	85.7	49 - 146			
Chlorobenzene	36.1024	4.9	0.42	49.2126	ND	73.4	46 - 128			
Chloroethane	47.2244	4.9	1.5	49.2126	ND	96.0	37 - 178			

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
Matrix Spike (B2E1134-MS1) - Continued			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Chloroform	41.6437	4.9	0.23	49.2126	ND	84.6	59 - 129			
Chloromethane	41.9784	4.9	1.1	49.2126	ND	85.3	31 - 168			
cis-1,2-Dichloroethene	32.2441	4.9	0.20	49.2126	ND	65.5	52 - 137			
cis-1,3-Dichloropropene	35.9350	4.9	0.38	49.2126	ND	73.0	45 - 130			
Dibromochloromethane	35.7480	4.9	0.79	49.2126	ND	72.6	56 - 117			
Dibromomethane	39.6358	4.9	0.22	49.2126	ND	80.5	62 - 116			
Dichlorodifluoromethane	52.8445	4.9	0.14	49.2126	ND	107	0 - 266			
Ethyl Acetate	10.1772	49	6.9	492.126	ND	2.07	16 - 156			MO
Ethyl Ether	395.906	49	17	492.126	ND	80.4	58 - 127			
Ethylbenzene	37.2047	4.9	0.43	49.2126	ND	75.6	43 - 144			
Freon-113	39.6457	4.9	1.3	49.2126	ND	80.6	45 - 148			
Hexachlorobutadiene	23.6713	4.9	0.39	49.2126	ND	48.1	0 - 149			
Isopropylbenzene	38.0512	4.9	0.78	49.2126	ND	77.3	38 - 148			
m,p-Xylene	71.2106	9.8	0.97	98.4252	ND	72.4	43 - 146			
Methylene chloride	45.8661	4.9	2.1	49.2126	3.40278	86.3	51 - 139			
n-Butylbenzene	31.3484	4.9	1.2	49.2126	ND	63.7	11 - 163			
n-Propylbenzene	35.3642	4.9	0.77	49.2126	ND	71.9	31 - 154			
Naphthalene	24.5669	4.9	1.1	49.2126	ND	49.9	0 - 266			
o-Xylene	35.6496	4.9	0.66	49.2126	ND	72.4	40 - 142			
sec-Butylbenzene	34.9410	4.9	0.62	49.2126	ND	71.0	20 - 161			
Styrene	34.3110	4.9	0.44	49.2126	ND	69.7	31 - 157			
tert-Butylbenzene	34.6260	4.9	0.78	49.2126	ND	70.4	28 - 155			
Tetrachloroethene	36.8209	4.9	0.30	49.2126	ND	74.8	39 - 144			
Toluene	40.5315	4.9	0.26	49.2126	ND	82.4	10 - 179			
trans-1,2-Dichloroethene	59.3012	4.9	0.55	49.2126	ND	120	60 - 135			
trans-1,3-Dichloropropene	35.1280	4.9	0.58	49.2126	ND	71.4	53 - 131			
Trichloroethene	41.0728	4.9	0.31	49.2126	ND	83.5	54 - 135			
Trichlorofluoromethane	47.7854	4.9	1.0	49.2126	ND	97.1	35 - 165			
Vinyl acetate	86.2402	49	5.9	492.126	ND	17.5	0 - 180			
Vinyl chloride	49.7933	4.9	0.91	49.2126	ND	101	44 - 165			
Surrogate: 1,2-Dichloroethane-d4	*51.04*			*49.2126*		*104*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.02*			*49.2126*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.05*			*49.2126*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*50.73*			*49.2126*		*103*	*81 - 128*			
Matrix Spike Dup (B2E1134-MSD1)			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
1,1,1,2-Tetrachloroethane	39.8614	5.0	0.51	49.5050	ND	80.5	50 - 126	9.08	20	R
1,1,1-Trichloroethane	49.6733	5.0	0.26	49.5050	ND	100	56 - 144	15.3	20	
1,1,2,2-Tetrachloroethane	41.1683	5.0	0.20	49.5050	ND	83.2	20 - 153	7.25	20	R
1,1,2-Trichloroethane	42.2673	5.0	0.40	49.5050	ND	85.4	0 - 421	10.7	20	R
1,1-Dichloroethane	49.0594	5.0	1.3	49.5050	ND	99.1	58 - 131	18.2	20	
1,1-Dichloroethene	47.3564	5.0	1.9	49.5050	ND	95.7	60 - 143	13.4	20	
1,1-Dichloropropene	47.0198	5.0	0.53	49.5050	ND	95.0	57 - 144	8.27	20	
1,2,3-Trichloropropane	42.0990	5.0	0.39	49.5050	ND	85.0	52 - 121	11.7	20	R
1,2,3-Trichlorobenzene	22.0495	5.0	0.82	49.5050	ND	44.5	0 - 153	8.97	20	R

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Batch B2E1134 - MSVOA_S (continued)

Matrix Spike Dup (B2E1134-MSD1) - Continued **Source: 2201165-08** Prepared: 5/10/2022 Analyzed: 5/10/2022

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	22.7624	5.0	0.80	49.5050	ND	46.0	0 - 146	2.26	20	R
1,2,4-Trimethylbenzene	34.8020	5.0	0.90	49.5050	ND	70.3	26 - 155	1.59	20	R
1,2-Dibromo-3-chloropropane	41.8515	9.9	1.1	49.5050	ND	84.5	36 - 125	19.3	20	R
1,2-Dibromoethane	43.0000	5.0	0.40	49.5050	ND	86.9	56 - 127	15.6	20	R
1,2-Dichlorobenzene	35.1386	5.0	0.21	49.5050	ND	71.0	26 - 136	6.51	20	R
1,2-Dichloroethane	45.3960	5.0	0.50	49.5050	ND	91.7	60 - 118	12.7	20	R
1,2-Dichloropropane	43.5346	5.0	0.46	49.5050	ND	87.9	52 - 124	9.38	20	
1,3,5-Trimethylbenzene	34.0693	5.0	0.70	49.5050	ND	68.8	31 - 152	1.65	20	
1,3-Dichlorobenzene	33.9604	5.0	0.36	49.5050	ND	68.6	26 - 140	1.53	20	
1,3-Dichloropropane	44.0099	5.0	0.49	49.5050	ND	88.9	56 - 118	15.0	20	
1,4-Dichlorobenzene	35.5644	5.0	0.27	49.5050	ND	71.8	27 - 136	1.77	20	
2,2-Dichloropropane	49.0099	5.0	0.27	49.5050	ND	99.0	50 - 146	14.8	20	
2-Chlorotoluene	35.9802	5.0	0.52	49.5050	ND	72.7	28 - 149	0.455	20	
4-Chlorotoluene	36.2079	5.0	0.39	49.5050	ND	73.1	35 - 142	0.729	20	
4-Isopropyltoluene	32.7327	5.0	0.80	49.5050	ND	66.1	12 - 175	2.80	20	
Benzene	47.4554	5.0	0.35	49.5050	ND	95.9	61 - 127	12.1	20	
Bromobenzene	38.2772	5.0	0.62	49.5050	ND	77.3	40 - 129	2.47	20	
Bromochloromethane	46.6733	5.0	0.29	49.5050	ND	94.3	57 - 135	11.6	20	
Bromodichloromethane	43.2376	5.0	0.52	49.5050	ND	87.3	58 - 119	11.9	20	
Bromoform	41.4950	5.0	1.4	49.5050	ND	83.8	48 - 130	12.4	20	
Bromomethane	46.8812	5.0	2.4	49.5050	ND	94.7	40 - 183	15.3	20	B
Carbon disulfide	39.0792	5.0	0.93	49.5050	ND	78.9	49 - 153	20.5	20	R
Carbon tetrachloride	47.6040	5.0	0.73	49.5050	ND	96.2	49 - 146	12.1	20	
Chlorobenzene	39.8614	5.0	0.42	49.5050	ND	80.5	46 - 128	9.90	20	
Chloroethane	55.0792	5.0	1.5	49.5050	ND	111	37 - 178	15.4	20	
Chloroform	48.6040	5.0	0.24	49.5050	ND	98.2	59 - 129	15.4	20	
Chloromethane	52.1386	5.0	1.1	49.5050	ND	105	31 - 168	21.6	20	R
cis-1,2-Dichloroethene	39.0099	5.0	0.20	49.5050	ND	78.8	52 - 137	19.0	20	
cis-1,3-Dichloropropene	39.8416	5.0	0.39	49.5050	ND	80.5	45 - 130	10.3	20	
Dibromochloromethane	40.2376	5.0	0.80	49.5050	ND	81.3	56 - 117	11.8	20	
Dibromomethane	42.4356	5.0	0.22	49.5050	ND	85.7	62 - 116	6.82	20	
Dichlorodifluoromethane	63.8911	5.0	0.14	49.5050	ND	129	0 - 266	18.9	20	
Ethyl Acetate	ND	50	6.9	495.050	ND	NR	16 - 156	NR	20	MO
Ethyl Ether	457.208	50	17	495.050	ND	92.4	58 - 127	14.4	20	
Ethylbenzene	41.9307	5.0	0.43	49.5050	ND	84.7	43 - 144	11.9	20	
Freon-113	47.8218	5.0	1.3	49.5050	ND	96.6	45 - 148	18.7	20	
Hexachlorobutadiene	22.2970	5.0	0.39	49.5050	ND	45.0	0 - 149	5.98	20	
Isopropylbenzene	38.8020	5.0	0.79	49.5050	ND	78.4	38 - 148	1.95	20	
m,p-Xylene	81.8317	9.9	0.98	99.0099	ND	82.6	43 - 146	13.9	20	
Methylene chloride	50.9505	5.0	2.1	49.5050	3.40278	96.0	51 - 139	10.5	20	
n-Butylbenzene	31.0990	5.0	1.2	49.5050	ND	62.8	11 - 163	0.799	20	
n-Propylbenzene	35.9109	5.0	0.77	49.5050	ND	72.5	31 - 154	1.53	20	
Naphthalene	25.9406	5.0	1.1	49.5050	ND	52.4	0 - 266	5.44	20	
o-Xylene	40.1089	5.0	0.67	49.5050	ND	81.0	40 - 142	11.8	20	
sec-Butylbenzene	34.2772	5.0	0.62	49.5050	ND	69.2	20 - 161	1.92	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1134 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1134-MSD1) - Continued			**Source: 2201165-08**			Prepared: 5/10/2022 Analyzed: 5/10/2022				
Styrene	39.7624	5.0	0.45	49.5050	ND	80.3	31 - 157	14.7	20	
tert-Butylbenzene	33.7624	5.0	0.79	49.5050	ND	68.2	28 - 155	2.53	20	
Tetrachloroethene	41.9604	5.0	0.30	49.5050	ND	84.8	39 - 144	13.0	20	
Toluene	46.0396	5.0	0.26	49.5050	ND	93.0	10 - 179	12.7	20	
trans-1,2-Dichloroethene	66.1683	5.0	0.55	49.5050	ND	134	60 - 135	10.9	20	
trans-1,3-Dichloropropene	39.2079	5.0	0.59	49.5050	ND	79.2	53 - 131	11.0	20	
Trichloroethene	43.6238	5.0	0.31	49.5050	ND	88.1	54 - 135	6.02	20	
Trichlorofluoromethane	55.8317	5.0	1.0	49.5050	ND	113	35 - 165	15.5	20	
Vinyl acetate	99.1584	50	5.9	495.050	ND	20.0	0 - 180	13.9	20	
Vinyl chloride	58.0693	5.0	0.91	49.5050	ND	117	44 - 165	15.3	20	
Surrogate: 1,2-Dichloroethane-d4	*53.53*			*49.5050*		*108*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.13*			*49.5050*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.31*			*49.5050*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*50.39*			*49.5050*		*102*	*81 - 128*			

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S										
Blank (B2E1142-BLK1)							Prepared: 5/12/2022 Analyzed: 5/12/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)										
Blank (B2E1142-BLK1) - Continued						Prepared: 5/12/2022 Analyzed: 5/12/2022				
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*50.71*			*50.0000*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*45.02*			*50.0000*		*90.0*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.07*			*50.0000*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*49.56*			*50.0000*		*99.1*	*81 - 128*			
LCS (B2E1142-BS1)						Prepared: 5/12/2022 Analyzed: 5/12/2022				
1,1,1,2-Tetrachloroethane	40.4700	5.0	0.52	50.0000		80.9	84 - 123			L3
1,1,1-Trichloroethane	43.2400	5.0	0.26	50.0000		86.5	78 - 133			
1,1,2,2-Tetrachloroethane	52.5100	5.0	0.21	50.0000		105	63 - 127			
1,1,2-Trichloroethane	49.1800	5.0	0.40	50.0000		98.4	80 - 125			
1,1-Dichloroethane	54.4000	5.0	1.4	50.0000		109	77 - 128			
1,1-Dichloroethene	47.0200	5.0	1.9	50.0000		94.0	69 - 138			
1,1-Dichloropropene	47.2100	5.0	0.54	50.0000		94.4	80 - 133			
1,2,3-Trichloropropane	46.9200	5.0	0.40	50.0000		93.8	74 - 123			
1,2,3-Trichlorobenzene	40.8500	5.0	0.83	50.0000		81.7	79 - 133			
1,2,4-Trichlorobenzene	39.6600	5.0	0.80	50.0000		79.3	73 - 131			
1,2,4-Trimethylbenzene	44.5400	5.0	0.91	50.0000		89.1	86 - 137			
1,2-Dibromo-3-chloropropane	45.2700	10	1.1	50.0000		90.5	62 - 127			
1,2-Dibromoethane	43.1300	5.0	0.40	50.0000		86.3	83 - 126			
1,2-Dichlorobenzene	44.1700	5.0	0.21	50.0000		88.3	83 - 123			
1,2-Dichloroethane	42.1200	5.0	0.50	50.0000		84.2	76 - 128			
1,2-Dichloropropane	56.3300	5.0	0.46	50.0000		113	77 - 121			
1,3,5-Trimethylbenzene	43.2900	5.0	0.70	50.0000		86.6	84 - 135			
1,3-Dichlorobenzene	44.2400	5.0	0.36	50.0000		88.5	81 - 126			
1,3-Dichloropropane	50.6800	5.0	0.49	50.0000		101	80 - 118			
1,4-Dichlorobenzene	45.6900	5.0	0.27	50.0000		91.4	80 - 124			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)										
LCS (B2E1142-BS1) - Continued						Prepared: 5/12/2022 Analyzed: 5/12/2022				
2,2-Dichloropropane	44.8400	5.0	0.28	50.0000		89.7	72 - 135			
2-Chlorotoluene	46.3400	5.0	0.53	50.0000		92.7	81 - 127			
4-Chlorotoluene	47.2900	5.0	0.40	50.0000		94.6	83 - 127			
4-Isopropyltoluene	42.4600	5.0	0.81	50.0000		84.9	82 - 143			
Benzene	52.6300	5.0	0.36	50.0000		105	84 - 123			
Bromobenzene	45.1100	5.0	0.62	50.0000		90.2	80 - 122			
Bromochloromethane	50.4000	5.0	0.30	50.0000		101	83 - 127			
Bromodichloromethane	42.7600	5.0	0.52	50.0000		85.5	82 - 123			
Bromoform	37.7100	5.0	1.4	50.0000		75.4	80 - 132			L3
Bromomethane	53.8900	5.0	2.5	50.0000		108	67 - 176			
Carbon disulfide	41.4800	5.0	0.94	50.0000		83.0	75 - 138			
Carbon tetrachloride	38.3600	5.0	0.73	50.0000		76.7	76 - 131			
Chlorobenzene	44.9400	5.0	0.42	50.0000		89.9	84 - 119			
Chloroethane	68.9100	5.0	1.5	50.0000		138	56 - 170			
Chloroform	47.9600	5.0	0.24	50.0000		95.9	78 - 129			
Chloromethane	72.3200	5.0	1.1	50.0000		145	63 - 141			L4
cis-1,2-Dichloroethene	42.7500	5.0	0.20	50.0000		85.5	83 - 125			
cis-1,3-Dichloropropene	43.7200	5.0	0.39	50.0000		87.4	76 - 129			
Dibromochloromethane	40.5300	5.0	0.81	50.0000		81.1	81 - 120			
Dibromomethane	45.8600	5.0	0.23	50.0000		91.7	79 - 124			
Dichlorodifluoromethane	54.3000	5.0	0.14	50.0000		109	18 - 199			
Ethyl Acetate	79.0900	50	7.0	500.000		15.8	76 - 138			MO
Ethyl Ether	544.060	50	17	500.000		109	74 - 128			
Ethylbenzene	46.2500	5.0	0.43	50.0000		92.5	86 - 130			
Freon-113	43.9400	5.0	1.3	50.0000		87.9	66 - 132			
Hexachlorobutadiene	38.1700	5.0	0.40	50.0000		76.3	64 - 135			
Isopropylbenzene	45.8100	5.0	0.79	50.0000		91.6	80 - 133			
m,p-Xylene	87.4500	10	0.98	100.000		87.4	89 - 133			L3
Methylene chloride	60.1500	5.0	2.2	50.0000		120	72 - 143			
n-Butylbenzene	43.5800	5.0	1.2	50.0000		87.2	76 - 144			
n-Propylbenzene	46.1400	5.0	0.78	50.0000		92.3	81 - 136			
Naphthalene	38.3300	5.0	1.1	50.0000		76.7	64 - 128			
o-Xylene	44.9000	5.0	0.67	50.0000		89.8	82 - 134			
sec-Butylbenzene	45.5100	5.0	0.63	50.0000		91.0	81 - 138			
Styrene	44.9000	5.0	0.45	50.0000		89.8	79 - 152			
tert-Butylbenzene	41.9300	5.0	0.80	50.0000		83.9	81 - 135			
Tetrachloroethene	44.4700	5.0	0.31	50.0000		88.9	75 - 127			
Toluene	48.4900	5.0	0.27	50.0000		97.0	88 - 130			
trans-1,2-Dichloroethene	69.1200	5.0	0.56	50.0000		138	79 - 127			L5
trans-1,3-Dichloropropene	40.3500	5.0	0.59	50.0000		80.7	80 - 130			
Trichloroethene	43.5100	5.0	0.32	50.0000		87.0	83 - 126			
Trichlorofluoromethane	47.1300	5.0	1.0	50.0000		94.3	62 - 143			
Vinyl acetate	149.280	50	6.0	500.000		29.9	69 - 150			MO
Vinyl chloride	70.6200	5.0	0.92	50.0000		141	69 - 140			L4

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)									
LCS (B2E1142-BS1) - Continued						Prepared: 5/12/2022 Analyzed: 5/12/2022			
Surrogate: 1,2-Dichloroethane-d4	*48.18*		*50.0000*		*96.4*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.39*		*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*50.96*		*50.0000*		*102*	*77 - 159*			
Surrogate: Toluene-d8	*51.51*		*50.0000*		*103*	*81 - 128*			
Matrix Spike (B2E1142-MS1)			**Source: 2201165-21**			Prepared: 5/12/2022 Analyzed: 5/12/2022			
1,1,1,2-Tetrachloroethane	41.1660	4.9	0.51	49.4071	ND	83.3	50 - 126		
1,1,1-Trichloroethane	42.0257	4.9	0.26	49.4071	ND	85.1	56 - 144		
1,1,2,2-Tetrachloroethane	57.9348	4.9	0.20	49.4071	ND	117	20 - 153		
1,1,2-Trichloroethane	52.6186	4.9	0.40	49.4071	ND	106	0 - 421		
1,1-Dichloroethane	51.9960	4.9	1.3	49.4071	ND	105	58 - 131		
1,1-Dichloroethene	48.2609	4.9	1.9	49.4071	ND	97.7	60 - 143		
1,1-Dichloropropene	41.3241	4.9	0.53	49.4071	ND	83.6	57 - 144		
1,2,3-Trichloropropane	54.5652	4.9	0.39	49.4071	ND	110	52 - 121		
1,2,3-Trichlorobenzene	23.6067	4.9	0.82	49.4071	ND	47.8	0 - 153		
1,2,4-Trichlorobenzene	24.2194	4.9	0.79	49.4071	ND	49.0	0 - 146		
1,2,4-Trimethylbenzene	39.1897	4.9	0.90	49.4071	ND	79.3	26 - 155		
1,2-Dibromo-3-chloropropane	46.4130	9.9	1.1	49.4071	ND	93.9	36 - 125		
1,2-Dibromoethane	47.7668	4.9	0.40	49.4071	ND	96.7	56 - 127		
1,2-Dichlorobenzene	37.4407	4.9	0.21	49.4071	ND	75.8	26 - 136		
1,2-Dichloroethane	40.4941	4.9	0.50	49.4071	ND	82.0	60 - 118		
1,2-Dichloropropane	55.4644	4.9	0.46	49.4071	ND	112	52 - 124		
1,3,5-Trimethylbenzene	37.5296	4.9	0.69	49.4071	ND	76.0	31 - 152		
1,3-Dichlorobenzene	37.3715	4.9	0.36	49.4071	ND	75.6	26 - 140		
1,3-Dichloropropane	53.8538	4.9	0.49	49.4071	ND	109	56 - 118		
1,4-Dichlorobenzene	38.7945	4.9	0.27	49.4071	ND	78.5	27 - 136		
2,2-Dichloropropane	43.3399	4.9	0.27	49.4071	ND	87.7	50 - 146		
2-Chlorotoluene	41.5316	4.9	0.52	49.4071	ND	84.1	28 - 149		
4-Chlorotoluene	40.1680	4.9	0.39	49.4071	ND	81.3	35 - 142		
4-Isopropyltoluene	35.9585	4.9	0.80	49.4071	ND	72.8	12 - 175		
Benzene	48.5968	4.9	0.35	49.4071	ND	98.4	61 - 127		
Bromobenzene	43.0731	4.9	0.62	49.4071	ND	87.2	40 - 129		
Bromochloromethane	48.7352	4.9	0.29	49.4071	ND	98.6	57 - 135		
Bromodichloromethane	44.3083	4.9	0.52	49.4071	ND	89.7	58 - 119		
Bromoform	42.6976	4.9	1.4	49.4071	ND	86.4	48 - 130		
Bromomethane	42.2036	4.9	2.4	49.4071	ND	85.4	40 - 183		
Carbon disulfide	38.3004	4.9	0.93	49.4071	ND	77.5	49 - 153		
Carbon tetrachloride	35.1186	4.9	0.73	49.4071	ND	71.1	49 - 146		
Chlorobenzene	42.1344	4.9	0.42	49.4071	ND	85.3	46 - 128		
Chloroethane	64.7233	4.9	1.5	49.4071	ND	131	37 - 178		
Chloroform	47.4012	4.9	0.24	49.4071	ND	95.9	59 - 129		
Chloromethane	67.1146	4.9	1.1	49.4071	ND	136	31 - 168		
cis-1,2-Dichloroethene	39.6937	4.9	0.20	49.4071	ND	80.3	52 - 137		
cis-1,3-Dichloropropene	43.5376	4.9	0.38	49.4071	ND	88.1	45 - 130		
Dibromochloromethane	41.6206	4.9	0.80	49.4071	ND	84.2	56 - 117		

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)										
Matrix Spike (B2E1142-MS1) - Continued			**Source: 2201165-21**			Prepared: 5/12/2022 Analyzed: 5/12/2022				
Dibromomethane	45.0790	4.9	0.22	49.4071	ND	91.2	62 - 116			
Dichlorodifluoromethane	51.1956	4.9	0.14	49.4071	ND	104	0 - 266			
Ethyl Acetate	ND	49	6.9	494.071	ND	NR	16 - 156			MO
Ethyl Ether	538.844	49	17	494.071	ND	109	58 - 127			
Ethylbenzene	43.1126	4.9	0.43	49.4071	ND	87.3	43 - 144			
Freon-113	43.7648	4.9	1.3	49.4071	ND	88.6	45 - 148			
Hexachlorobutadiene	23.4783	4.9	0.39	49.4071	ND	47.5	0 - 149			
Isopropylbenzene	43.1324	4.9	0.78	49.4071	ND	87.3	38 - 148			
m,p-Xylene	80.1976	9.9	0.97	98.8142	ND	81.2	43 - 146			
Methylene chloride	55.8004	4.9	2.1	49.4071	3.67126	106	51 - 139			
n-Butylbenzene	34.8518	4.9	1.2	49.4071	ND	70.5	11 - 163			
n-Propylbenzene	40.5830	4.9	0.77	49.4071	ND	82.1	31 - 154			
Naphthalene	29.8518	4.9	1.1	49.4071	ND	60.4	0 - 266			
o-Xylene	41.1956	4.9	0.66	49.4071	ND	83.4	40 - 142			
sec-Butylbenzene	40.0099	4.9	0.62	49.4071	ND	81.0	20 - 161			
Styrene	41.6304	4.9	0.45	49.4071	ND	84.3	31 - 157			
tert-Butylbenzene	36.8972	4.9	0.79	49.4071	ND	74.7	28 - 155			
Tetrachloroethene	38.8636	4.9	0.30	49.4071	ND	78.7	39 - 144			
Toluene	45.6324	4.9	0.26	49.4071	ND	92.4	10 - 179			
trans-1,2-Dichloroethene	68.0830	4.9	0.55	49.4071	ND	138	60 - 135			M2
trans-1,3-Dichloropropene	42.3814	4.9	0.58	49.4071	ND	85.8	53 - 131			
Trichloroethene	41.1166	4.9	0.31	49.4071	ND	83.2	54 - 135			
Trichlorofluoromethane	47.7668	4.9	1.0	49.4071	ND	96.7	35 - 165			
Vinyl acetate	115.514	49	5.9	494.071	ND	23.4	0 - 180			
Vinyl chloride	70.4249	4.9	0.91	49.4071	ND	143	44 - 165			
Surrogate: 1,2-Dichloroethane-d4	*50.91*			*49.4071*		*103*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.36*			*49.4071*		*99.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.33*			*49.4071*		*106*	*77 - 159*			
Surrogate: Toluene-d8	*50.62*			*49.4071*		*102*	*81 - 128*			
Matrix Spike Dup (B2E1142-MSD1)			**Source: 2201165-21**			Prepared: 5/12/2022 Analyzed: 5/12/2022				
1,1,1,2-Tetrachloroethane	34.0700	5.0	0.52	50.0000	ND	68.1	50 - 126	18.9	20	
1,1,1-Trichloroethane	40.6500	5.0	0.26	50.0000	ND	81.3	56 - 144	3.33	20	
1,1,2,2-Tetrachloroethane	53.4100	5.0	0.21	50.0000	ND	107	20 - 153	8.13	20	
1,1,2-Trichloroethane	47.5300	5.0	0.40	50.0000	ND	95.1	0 - 421	10.2	20	
1,1-Dichloroethane	51.9900	5.0	1.4	50.0000	ND	104	58 - 131	0.0116	20	
1,1-Dichloroethene	50.5500	5.0	1.9	50.0000	ND	101	60 - 143	4.63	20	
1,1-Dichloropropene	38.4800	5.0	0.54	50.0000	ND	77.0	57 - 144	7.13	20	
1,2,3-Trichloropropane	50.4400	5.0	0.40	50.0000	ND	101	52 - 121	7.86	20	
1,2,3-Trichlorobenzene	14.6700	5.0	0.83	50.0000	ND	29.3	0 - 153	46.7	20	R
1,2,4-Trichlorobenzene	15.4900	5.0	0.80	50.0000	ND	31.0	0 - 146	44.0	20	R
1,2,4-Trimethylbenzene	28.3000	5.0	0.91	50.0000	ND	56.6	26 - 155	32.3	20	R
1,2-Dibromo-3-chloropropane	43.8600	10	1.1	50.0000	ND	87.7	36 - 125	5.66	20	
1,2-Dibromoethane	41.2800	5.0	0.40	50.0000	ND	82.6	56 - 127	14.6	20	
1,2-Dichlorobenzene	29.9700	5.0	0.21	50.0000	ND	59.9	26 - 136	22.2	20	R

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1142-MSD1) - Continued		**Source: 2201165-21**			Prepared: 5/12/2022 Analyzed: 5/12/2022					
1,2-Dichloroethane	37.5600	5.0	0.50	50.0000	ND	75.1	60 - 118	7.52	20	
1,2-Dichloropropane	49.0200	5.0	0.46	50.0000	ND	98.0	52 - 124	12.3	20	
1,3,5-Trimethylbenzene	26.8800	5.0	0.70	50.0000	ND	53.8	31 - 152	33.1	20	R
1,3-Dichlorobenzene	28.2500	5.0	0.36	50.0000	ND	56.5	26 - 140	27.8	20	R
1,3-Dichloropropane	43.9000	5.0	0.49	50.0000	ND	87.8	56 - 118	20.4	20	R
1,4-Dichlorobenzene	29.7400	5.0	0.27	50.0000	ND	59.5	27 - 136	26.4	20	R
2,2-Dichloropropane	41.4700	5.0	0.28	50.0000	ND	82.9	50 - 146	4.41	20	
2-Chlorotoluene	30.7300	5.0	0.53	50.0000	ND	61.5	28 - 149	29.9	20	R
4-Chlorotoluene	30.3600	5.0	0.40	50.0000	ND	60.7	35 - 142	27.8	20	R
4-Isopropyltoluene	23.4400	5.0	0.81	50.0000	ND	46.9	12 - 175	42.2	20	R
Benzene	47.5900	5.0	0.36	50.0000	ND	95.2	61 - 127	2.09	20	
Bromobenzene	33.8500	5.0	0.62	50.0000	ND	67.7	40 - 129	24.0	20	R
Bromochloromethane	45.6300	5.0	0.30	50.0000	ND	91.3	57 - 135	6.58	20	
Bromodichloromethane	38.0900	5.0	0.52	50.0000	ND	76.2	58 - 119	15.1	20	
Bromoform	37.6200	5.0	1.4	50.0000	ND	75.2	48 - 130	12.6	20	
Bromomethane	44.9200	5.0	2.5	50.0000	ND	89.8	40 - 183	6.24	20	
Carbon disulfide	36.5100	5.0	0.94	50.0000	ND	73.0	49 - 153	4.79	20	
Carbon tetrachloride	33.5200	5.0	0.73	50.0000	ND	67.0	49 - 146	4.66	20	
Chlorobenzene	33.4900	5.0	0.42	50.0000	ND	67.0	46 - 128	22.9	20	R
Chloroethane	68.2400	5.0	1.5	50.0000	ND	136	37 - 178	5.29	20	
Chloroform	44.2900	5.0	0.24	50.0000	ND	88.6	59 - 129	6.79	20	
Chloromethane	72.1900	5.0	1.1	50.0000	ND	144	31 - 168	7.29	20	
cis-1,2-Dichloroethene	36.3900	5.0	0.20	50.0000	ND	72.8	52 - 137	8.68	20	
cis-1,3-Dichloropropene	36.6300	5.0	0.39	50.0000	ND	73.3	45 - 130	17.2	20	
Dibromochloromethane	35.7500	5.0	0.81	50.0000	ND	71.5	56 - 117	15.2	20	
Dibromomethane	40.2400	5.0	0.23	50.0000	ND	80.5	62 - 116	11.3	20	
Dichlorodifluoromethane	52.7200	5.0	0.14	50.0000	ND	105	0 - 266	2.93	20	
Ethyl Acetate	ND	50	7.0	500.000	ND	NR	16 - 156	NR	20	MO
Ethyl Ether	526.310	50	17	500.000	ND	105	58 - 127	2.35	20	
Ethylbenzene	33.2400	5.0	0.43	50.0000	ND	66.5	43 - 144	25.9	20	R
Freon-113	42.0700	5.0	1.3	50.0000	ND	84.1	45 - 148	3.95	20	
Hexachlorobutadiene	13.4600	5.0	0.40	50.0000	ND	26.9	0 - 149	54.2	20	R
Isopropylbenzene	31.0500	5.0	0.79	50.0000	ND	62.1	38 - 148	32.6	20	R
m,p-Xylene	62.8700	10	0.98	100.000	ND	62.9	43 - 146	24.2	20	R
Methylene chloride	54.7100	5.0	2.2	50.0000	3.67126	102	51 - 139	1.97	20	
n-Butylbenzene	20.6000	5.0	1.2	50.0000	ND	41.2	11 - 163	51.4	20	R
n-Propylbenzene	28.1500	5.0	0.78	50.0000	ND	56.3	31 - 154	36.2	20	R
Naphthalene	23.6500	5.0	1.1	50.0000	ND	47.3	0 - 266	23.2	20	R
o-Xylene	32.8500	5.0	0.67	50.0000	ND	65.7	40 - 142	22.5	20	R
sec-Butylbenzene	24.9400	5.0	0.63	50.0000	ND	49.9	20 - 161	46.4	20	R
Styrene	32.4800	5.0	0.45	50.0000	ND	65.0	31 - 157	24.7	20	R
tert-Butylbenzene	25.4500	5.0	0.80	50.0000	ND	50.9	28 - 155	36.7	20	R
Tetrachloroethene	29.4900	5.0	0.31	50.0000	ND	59.0	39 - 144	27.4	20	R
Toluene	40.2300	5.0	0.27	50.0000	ND	80.5	10 - 179	12.6	20	
trans-1,2-Dichloroethene	66.7200	5.0	0.56	50.0000	ND	133	60 - 135	2.02	20	

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1142 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1142-MSD1) - Continued			**Source: 2201165-21**			Prepared: 5/12/2022 Analyzed: 5/12/2022				
trans-1,3-Dichloropropene	36.2000	5.0	0.59	50.0000	ND	72.4	53 - 131	15.7	20	
Trichloroethene	36.9600	5.0	0.32	50.0000	ND	73.9	54 - 135	10.6	20	
Trichlorofluoromethane	48.6500	5.0	1.0	50.0000	ND	97.3	35 - 165	1.83	20	
Vinyl acetate	112.610	50	6.0	500.000	ND	22.5	0 - 180	2.55	20	
Vinyl chloride	72.5200	5.0	0.92	50.0000	ND	145	44 - 165	2.93	20	
Surrogate: 1,2-Dichloroethane-d4	*50.81*			*50.0000*		*102*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.53*			*50.0000*		*97.1*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.93*			*50.0000*		*110*	*77 - 159*			
Surrogate: Toluene-d8	*51.44*			*50.0000*		*103*	*81 - 128*			

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S										
Blank (B2E1154-BLK1)							Prepared: 5/11/2022 Analyzed: 5/11/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)										
Blank (B2E1154-BLK1) - Continued						Prepared: 5/11/2022 Analyzed: 5/11/2022				
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*50.52*			*50.0000*		*101*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*44.78*			*50.0000*		*89.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*52.19*			*50.0000*		*104*	*77 - 159*			
Surrogate: Toluene-d8	*49.34*			*50.0000*		*98.7*	*81 - 128*			
LCS (B2E1154-BS1)						Prepared: 5/11/2022 Analyzed: 5/11/2022				
1,1,1,2-Tetrachloroethane	43.2400	5.0	0.52	50.0000		86.5	84 - 123			
1,1,1-Trichloroethane	49.0000	5.0	0.26	50.0000		98.0	78 - 133			
1,1,2,2-Tetrachloroethane	52.8800	5.0	0.21	50.0000		106	63 - 127			
1,1,2-Trichloroethane	53.7100	5.0	0.40	50.0000		107	80 - 125			
1,1-Dichloroethane	60.1800	5.0	1.4	50.0000		120	77 - 128			
1,1-Dichloroethene	55.9500	5.0	1.9	50.0000		112	69 - 138			
1,1-Dichloropropene	48.7800	5.0	0.54	50.0000		97.6	80 - 133			
1,2,3-Trichloropropane	51.3900	5.0	0.40	50.0000		103	74 - 123			
1,2,3-Trichlorobenzene	41.1100	5.0	0.83	50.0000		82.2	79 - 133			
1,2,4-Trichlorobenzene	40.1600	5.0	0.80	50.0000		80.3	73 - 131			
1,2,4-Trimethylbenzene	46.3500	5.0	0.91	50.0000		92.7	86 - 137			
1,2-Dibromo-3-chloropropane	46.2900	10	1.1	50.0000		92.6	62 - 127			
1,2-Dibromoethane	47.2000	5.0	0.40	50.0000		94.4	83 - 126			
1,2-Dichlorobenzene	46.3700	5.0	0.21	50.0000		92.7	83 - 123			
1,2-Dichloroethane	42.8800	5.0	0.50	50.0000		85.8	76 - 128			
1,2-Dichloropropane	59.8100	5.0	0.46	50.0000		120	77 - 121			
1,3,5-Trimethylbenzene	45.9600	5.0	0.70	50.0000		91.9	84 - 135			
1,3-Dichlorobenzene	46.2300	5.0	0.36	50.0000		92.5	81 - 126			
1,3-Dichloropropane	54.6600	5.0	0.49	50.0000		109	80 - 118			
1,4-Dichlorobenzene	47.8900	5.0	0.27	50.0000		95.8	80 - 124			

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)										
LCS (B2E1154-BS1) - Continued						Prepared: 5/11/2022 Analyzed: 5/11/2022				
2,2-Dichloropropane	50.6700	5.0	0.28	50.0000		101	72 - 135			
2-Chlorotoluene	47.6300	5.0	0.53	50.0000		95.3	81 - 127			
4-Chlorotoluene	48.0000	5.0	0.40	50.0000		96.0	83 - 127			
4-Isopropyltoluene	44.6100	5.0	0.81	50.0000		89.2	82 - 143			
Benzene	55.0000	5.0	0.36	50.0000		110	84 - 123			
Bromobenzene	45.9600	5.0	0.62	50.0000		91.9	80 - 122			
Bromochloromethane	54.3500	5.0	0.30	50.0000		109	83 - 127			
Bromodichloromethane	47.0900	5.0	0.52	50.0000		94.2	82 - 123			
Bromoform	43.0600	5.0	1.4	50.0000		86.1	80 - 132			
Bromomethane	60.6900	5.0	2.5	50.0000		121	67 - 176			
Carbon disulfide	44.4800	5.0	0.94	50.0000		89.0	75 - 138			
Carbon tetrachloride	42.3500	5.0	0.73	50.0000		84.7	76 - 131			
Chlorobenzene	47.5300	5.0	0.42	50.0000		95.1	84 - 119			
Chloroethane	76.8100	5.0	1.5	50.0000		154	56 - 170			
Chloroform	54.1700	5.0	0.24	50.0000		108	78 - 129			
Chloromethane	76.8800	5.0	1.1	50.0000		154	63 - 141			L4
cis-1,2-Dichloroethene	46.6600	5.0	0.20	50.0000		93.3	83 - 125			
cis-1,3-Dichloropropene	46.6200	5.0	0.39	50.0000		93.2	76 - 129			
Dibromochloromethane	43.8800	5.0	0.81	50.0000		87.8	81 - 120			
Dibromomethane	47.8900	5.0	0.23	50.0000		95.8	79 - 124			
Dichlorodifluoromethane	59.3700	5.0	0.14	50.0000		119	18 - 199			
Ethyl Acetate	62.7800	50	7.0	500.000		12.6	76 - 138			MO
Ethyl Ether	590.130	50	17	500.000		118	74 - 128			
Ethylbenzene	50.7600	5.0	0.43	50.0000		102	86 - 130			
Freon-113	52.1100	5.0	1.3	50.0000		104	66 - 132			
Hexachlorobutadiene	42.3000	5.0	0.40	50.0000		84.6	64 - 135			
Isopropylbenzene	47.8700	5.0	0.79	50.0000		95.7	80 - 133			
m,p-Xylene	97.9800	10	0.98	100.000		98.0	89 - 133			
Methylene chloride	64.5800	5.0	2.2	50.0000		129	72 - 143			
n-Butylbenzene	47.9800	5.0	1.2	50.0000		96.0	76 - 144			
n-Propylbenzene	49.1200	5.0	0.78	50.0000		98.2	81 - 136			
Naphthalene	39.6500	5.0	1.1	50.0000		79.3	64 - 128			
o-Xylene	49.7200	5.0	0.67	50.0000		99.4	82 - 134			
sec-Butylbenzene	49.0400	5.0	0.63	50.0000		98.1	81 - 138			
Styrene	48.9600	5.0	0.45	50.0000		97.9	79 - 152			
tert-Butylbenzene	44.5100	5.0	0.80	50.0000		89.0	81 - 135			
Tetrachloroethene	46.9500	5.0	0.31	50.0000		93.9	75 - 127			
Toluene	50.6800	5.0	0.27	50.0000		101	88 - 130			
trans-1,2-Dichloroethene	78.3600	5.0	0.56	50.0000		157	79 - 127			L5
trans-1,3-Dichloropropene	43.8900	5.0	0.59	50.0000		87.8	80 - 130			
Trichloroethene	46.9600	5.0	0.32	50.0000		93.9	83 - 126			
Trichlorofluoromethane	54.4300	5.0	1.0	50.0000		109	62 - 143			
Vinyl acetate	155.980	50	6.0	500.000		31.2	69 - 150			MO
Vinyl chloride	79.5000	5.0	0.92	50.0000		159	69 - 140			L5

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)									
LCS (B2E1154-BS1) - Continued					Prepared: 5/11/2022 Analyzed: 5/11/2022				
Surrogate: 1,2-Dichloroethane-d4	*51.63*		*50.0000*		*103*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*51.54*		*50.0000*		*103*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.38*		*50.0000*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*51.48*		*50.0000*		*103*	*81 - 128*			
Matrix Spike (B2E1154-MS1)			**Source: 2201182-01**		Prepared: 5/11/2022 Analyzed: 5/11/2022				
1,1,1,2-Tetrachloroethane	34.2758	5.0	0.52	49.6032	ND	69.1	50 - 126		
1,1,1-Trichloroethane	39.1865	5.0	0.26	49.6032	ND	79.0	56 - 144		
1,1,2,2-Tetrachloroethane	45.4663	5.0	0.21	49.6032	ND	91.7	20 - 153		
1,1,2-Trichloroethane	43.1250	5.0	0.40	49.6032	ND	86.9	0 - 421		
1,1-Dichloroethane	49.5436	5.0	1.4	49.6032	ND	99.9	58 - 131		
1,1-Dichloroethene	45.0893	5.0	1.9	49.6032	ND	90.9	60 - 143		
1,1-Dichloropropene	41.4583	5.0	0.53	49.6032	ND	83.6	57 - 144		
1,2,3-Trichloropropane	41.0218	5.0	0.39	49.6032	ND	82.7	52 - 121		
1,2,3-Trichlorobenzene	22.9564	5.0	0.82	49.6032	ND	46.3	0 - 153		
1,2,4-Trichlorobenzene	23.3730	5.0	0.80	49.6032	ND	47.1	0 - 146		
1,2,4-Trimethylbenzene	33.3333	5.0	0.90	49.6032	ND	67.2	26 - 155		
1,2-Dibromo-3-chloropropane	33.9186	9.9	1.1	49.6032	ND	68.4	36 - 125		
1,2-Dibromoethane	38.6607	5.0	0.40	49.6032	ND	77.9	56 - 127		
1,2-Dichlorobenzene	33.8294	5.0	0.21	49.6032	ND	68.2	26 - 136		
1,2-Dichloroethane	36.5873	5.0	0.50	49.6032	ND	73.8	60 - 118		
1,2-Dichloropropane	48.6706	5.0	0.46	49.6032	ND	98.1	52 - 124		
1,3,5-Trimethylbenzene	33.2837	5.0	0.70	49.6032	ND	67.1	31 - 152		
1,3-Dichlorobenzene	33.4127	5.0	0.36	49.6032	ND	67.4	26 - 140		
1,3-Dichloropropane	44.1071	5.0	0.49	49.6032	ND	88.9	56 - 118		
1,4-Dichlorobenzene	34.0476	5.0	0.27	49.6032	ND	68.6	27 - 136		
2,2-Dichloropropane	39.5238	5.0	0.27	49.6032	ND	79.7	50 - 146		
2-Chlorotoluene	35.2877	5.0	0.52	49.6032	ND	71.1	28 - 149		
4-Chlorotoluene	35.7341	5.0	0.39	49.6032	ND	72.0	35 - 142		
4-Isopropyltoluene	33.0258	5.0	0.80	49.6032	ND	66.6	12 - 175		
Benzene	45.2579	5.0	0.35	49.6032	ND	91.2	61 - 127		
Bromobenzene	35.8036	5.0	0.62	49.6032	ND	72.2	40 - 129		
Bromochloromethane	43.2837	5.0	0.29	49.6032	ND	87.3	57 - 135		
Bromodichloromethane	37.9464	5.0	0.52	49.6032	ND	76.5	58 - 119		
Bromoform	34.0377	5.0	1.4	49.6032	ND	68.6	48 - 130		
Bromomethane	45.5556	5.0	2.4	49.6032	ND	91.8	40 - 183		
Carbon disulfide	37.0139	5.0	0.93	49.6032	ND	74.6	49 - 153		
Carbon tetrachloride	34.4246	5.0	0.73	49.6032	ND	69.4	49 - 146		
Chlorobenzene	36.6964	5.0	0.42	49.6032	ND	74.0	46 - 128		
Chloroethane	60.5357	5.0	1.5	49.6032	ND	122	37 - 178		
Chloroform	42.8968	5.0	0.24	49.6032	ND	86.5	59 - 129		
Chloromethane	65.4663	5.0	1.1	49.6032	ND	132	31 - 168		
cis-1,2-Dichloroethene	36.2202	5.0	0.20	49.6032	ND	73.0	52 - 137		
cis-1,3-Dichloropropene	37.4107	5.0	0.39	49.6032	ND	75.4	45 - 130		
Dibromochloromethane	33.9980	5.0	0.80	49.6032	ND	68.5	56 - 117		

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)										
Matrix Spike (B2E1154-MS1) - Continued			**Source: 2201182-01**			Prepared: 5/11/2022 Analyzed: 5/11/2022				
Dibromomethane	39.5436	5.0	0.23	49.6032	ND	79.7	62 - 116			
Dichlorodifluoromethane	50.1190	5.0	0.14	49.6032	ND	101	0 - 266			
Ethyl Acetate	ND	50	7.0	496.032	ND	NR	16 - 156			MO
Ethyl Ether	483.026	50	17	496.032	ND	97.4	58 - 127			
Ethylbenzene	39.1468	5.0	0.43	49.6032	ND	78.9	43 - 144			
Freon-113	43.6210	5.0	1.3	49.6032	ND	87.9	45 - 148			
Hexachlorobutadiene	26.0516	5.0	0.39	49.6032	ND	52.5	0 - 149			
Isopropylbenzene	36.7163	5.0	0.79	49.6032	ND	74.0	38 - 148			
m,p-Xylene	73.8988	9.9	0.98	99.2064	ND	74.5	43 - 146			
Methylene chloride	52.0932	5.0	2.1	49.6032	2.34000	100	51 - 139			
n-Butylbenzene	33.1647	5.0	1.2	49.6032	ND	66.9	11 - 163			
n-Propylbenzene	36.0417	5.0	0.77	49.6032	ND	72.7	31 - 154			
Naphthalene	26.9643	5.0	1.1	49.6032	ND	54.4	0 - 266			
o-Xylene	37.0932	5.0	0.67	49.6032	ND	74.8	40 - 142			
sec-Butylbenzene	35.8333	5.0	0.62	49.6032	ND	72.2	20 - 161			
Styrene	36.8056	5.0	0.45	49.6032	ND	74.2	31 - 157			
tert-Butylbenzene	33.1845	5.0	0.79	49.6032	ND	66.9	28 - 155			
Tetrachloroethene	37.4107	5.0	0.31	49.6032	ND	75.4	39 - 144			
Toluene	41.2599	5.0	0.26	49.6032	ND	83.2	10 - 179			
trans-1,2-Dichloroethene	64.7421	5.0	0.56	49.6032	ND	131	60 - 135			
trans-1,3-Dichloropropene	34.8611	5.0	0.59	49.6032	ND	70.3	53 - 131			
Trichloroethene	38.7798	5.0	0.31	49.6032	ND	78.2	54 - 135			
Trichlorofluoromethane	44.1567	5.0	1.0	49.6032	ND	89.0	35 - 165			
Vinyl acetate	99.5139	50	5.9	496.032	ND	20.1	0 - 180			
Vinyl chloride	68.3234	5.0	0.91	49.6032	ND	138	44 - 165			
Surrogate: 1,2-Dichloroethane-d4	*53.08*			*49.6032*		*107*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.76*			*49.6032*		*102*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.53*			*49.6032*		*108*	*77 - 159*			
Surrogate: Toluene-d8	*51.42*			*49.6032*		*104*	*81 - 128*			
Matrix Spike Dup (B2E1154-MSD1)			**Source: 2201182-01**			Prepared: 5/11/2022 Analyzed: 5/11/2022				
1,1,1,2-Tetrachloroethane	35.1193	5.0	0.52	49.7018	ND	70.7	50 - 126	2.43	20	
1,1,1-Trichloroethane	42.1471	5.0	0.26	49.7018	ND	84.8	56 - 144	7.28	20	
1,1,2,2-Tetrachloroethane	49.8012	5.0	0.21	49.7018	ND	100	20 - 153	9.10	20	
1,1,2-Trichloroethane	47.2962	5.0	0.40	49.7018	ND	95.2	0 - 421	9.23	20	
1,1-Dichloroethane	52.0676	5.0	1.4	49.7018	ND	105	58 - 131	4.97	20	
1,1-Dichloroethene	48.5885	5.0	1.9	49.7018	ND	97.8	60 - 143	7.47	20	
1,1-Dichloropropene	43.5288	5.0	0.53	49.7018	ND	87.6	57 - 144	4.87	20	
1,2,3-Trichloropropane	46.4811	5.0	0.40	49.7018	ND	93.5	52 - 121	12.5	20	
1,2,3-Trichlorobenzene	24.9006	5.0	0.82	49.7018	ND	50.1	0 - 153	8.13	20	
1,2,4-Trichlorobenzene	25.5964	5.0	0.80	49.7018	ND	51.5	0 - 146	9.08	20	
1,2,4-Trimethylbenzene	36.5109	5.0	0.90	49.7018	ND	73.5	26 - 155	9.10	20	
1,2-Dibromo-3-chloropropane	39.5129	9.9	1.1	49.7018	ND	79.5	36 - 125	15.2	20	
1,2-Dibromoethane	42.2565	5.0	0.40	49.7018	ND	85.0	56 - 127	8.89	20	
1,2-Dichlorobenzene	37.6740	5.0	0.21	49.7018	ND	75.8	26 - 136	10.8	20	

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1154-MSD1) - Continued		**Source: 2201182-01**				Prepared: 5/11/2022 Analyzed: 5/11/2022				
1,2-Dichloroethane	37.2863	5.0	0.50	49.7018	ND	75.0	60 - 118	1.89	20	
1,2-Dichloropropane	49.5726	5.0	0.46	49.7018	ND	99.7	52 - 124	1.84	20	
1,3,5-Trimethylbenzene	36.0934	5.0	0.70	49.7018	ND	72.6	31 - 152	8.10	20	
1,3-Dichlorobenzene	35.9046	5.0	0.36	49.7018	ND	72.2	26 - 140	7.19	20	
1,3-Dichloropropane	44.7316	5.0	0.49	49.7018	ND	90.0	56 - 118	1.41	20	
1,4-Dichlorobenzene	35.7952	5.0	0.27	49.7018	ND	72.0	27 - 136	5.00	20	
2,2-Dichloropropane	41.5209	5.0	0.28	49.7018	ND	83.5	50 - 146	4.93	20	
2-Chlorotoluene	38.6879	5.0	0.52	49.7018	ND	77.8	28 - 149	9.19	20	
4-Chlorotoluene	38.0318	5.0	0.40	49.7018	ND	76.5	35 - 142	6.23	20	
4-Isopropyltoluene	34.5726	5.0	0.81	49.7018	ND	69.6	12 - 175	4.58	20	
Benzene	48.3400	5.0	0.35	49.7018	ND	97.3	61 - 127	6.59	20	
Bromobenzene	37.9324	5.0	0.62	49.7018	ND	76.3	40 - 129	5.77	20	
Bromochloromethane	47.2068	5.0	0.29	49.7018	ND	95.0	57 - 135	8.67	20	
Bromodichloromethane	39.8807	5.0	0.52	49.7018	ND	80.2	58 - 119	4.97	20	
Bromoform	36.7396	5.0	1.4	49.7018	ND	73.9	48 - 130	7.63	20	
Bromomethane	51.5805	5.0	2.5	49.7018	ND	104	40 - 183	12.4	20	
Carbon disulfide	40.2187	5.0	0.94	49.7018	ND	80.9	49 - 153	8.30	20	
Carbon tetrachloride	36.3420	5.0	0.73	49.7018	ND	73.1	49 - 146	5.42	20	
Chlorobenzene	37.9722	5.0	0.42	49.7018	ND	76.4	46 - 128	3.42	20	
Chloroethane	69.9304	5.0	1.5	49.7018	ND	141	37 - 178	14.4	20	
Chloroform	44.9205	5.0	0.24	49.7018	ND	90.4	59 - 129	4.61	20	
Chloromethane	70.6461	5.0	1.1	49.7018	ND	142	31 - 168	7.61	20	
cis-1,2-Dichloroethene	37.6740	5.0	0.20	49.7018	ND	75.8	52 - 137	3.93	20	
cis-1,3-Dichloropropene	39.9404	5.0	0.39	49.7018	ND	80.4	45 - 130	6.54	20	
Dibromochloromethane	36.6103	5.0	0.80	49.7018	ND	73.7	56 - 117	7.40	20	
Dibromomethane	40.9046	5.0	0.23	49.7018	ND	82.3	62 - 116	3.38	20	
Dichlorodifluoromethane	55.0696	5.0	0.14	49.7018	ND	111	0 - 266	9.41	20	
Ethyl Acetate	ND	50	7.0	497.018	ND	NR	16 - 156	NR	20	MO
Ethyl Ether	518.867	50	17	497.018	ND	104	58 - 127	7.15	20	
Ethylbenzene	39.8012	5.0	0.43	49.7018	ND	80.1	43 - 144	1.66	20	
Freon-113	46.6600	5.0	1.3	49.7018	ND	93.9	45 - 148	6.73	20	
Hexachlorobutadiene	22.1173	5.0	0.39	49.7018	ND	44.5	0 - 149	16.3	20	
Isopropylbenzene	40.5865	5.0	0.79	49.7018	ND	81.7	38 - 148	10.0	20	
m,p-Xylene	76.4215	9.9	0.98	99.4036	ND	76.9	43 - 146	3.36	20	
Methylene chloride	54.8012	5.0	2.2	49.7018	2.34000	106	51 - 139	5.07	20	
n-Butylbenzene	32.6441	5.0	1.2	49.7018	ND	65.7	11 - 163	1.58	20	
n-Propylbenzene	39.0060	5.0	0.78	49.7018	ND	78.5	31 - 154	7.90	20	
Naphthalene	30.0795	5.0	1.1	49.7018	ND	60.5	0 - 266	10.9	20	
o-Xylene	38.1312	5.0	0.67	49.7018	ND	76.7	40 - 142	2.76	20	
sec-Butylbenzene	37.8429	5.0	0.62	49.7018	ND	76.1	20 - 161	5.46	20	
Styrene	37.6541	5.0	0.45	49.7018	ND	75.8	31 - 157	2.28	20	
tert-Butylbenzene	35.6461	5.0	0.79	49.7018	ND	71.7	28 - 155	7.15	20	
Tetrachloroethene	38.5885	5.0	0.31	49.7018	ND	77.6	39 - 144	3.10	20	
Toluene	44.6620	5.0	0.27	49.7018	ND	89.9	10 - 179	7.92	20	
trans-1,2-Dichloroethene	68.8072	5.0	0.56	49.7018	ND	138	60 - 135	6.09	20	M2

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1154 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1154-MSD1) - Continued			**Source: 2201182-01**			Prepared: 5/11/2022 Analyzed: 5/11/2022				
trans-1,3-Dichloropropene	37.8728	5.0	0.59	49.7018	ND	76.2	53 - 131	8.28	20	
Trichloroethene	42.4950	5.0	0.31	49.7018	ND	85.5	54 - 135	9.14	20	
Trichlorofluoromethane	49.2644	5.0	1.0	49.7018	ND	99.1	35 - 165	10.9	20	
Vinyl acetate	110.139	50	5.9	497.018	ND	22.2	0 - 180	10.1	20	
Vinyl chloride	70.7952	5.0	0.92	49.7018	ND	142	44 - 165	3.55	20	
Surrogate: 1,2-Dichloroethane-d4	*53.19*			*49.7018*		*107*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.55*			*49.7018*		*97.7*	*50 - 146*			
Surrogate: Dibromofluoromethane	*54.78*			*49.7018*		*110*	*77 - 159*			
Surrogate: Toluene-d8	*53.09*			*49.7018*		*107*	*81 - 128*			

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Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S										
Blank (B2E1186-BLK1)							Prepared: 5/13/2022 Analyzed: 5/13/2022			
1,1,1,2-Tetrachloroethane	ND	5.0	0.52							
1,1,1-Trichloroethane	ND	5.0	0.26							
1,1,2,2-Tetrachloroethane	ND	5.0	0.21							
1,1,2-Trichloroethane	ND	5.0	0.40							
1,1-Dichloroethane	ND	5.0	1.4							
1,1-Dichloroethene	ND	5.0	1.9							
1,1-Dichloropropene	ND	5.0	0.54							
1,2,3-Trichloropropane	ND	5.0	0.40							
1,2,3-Trichlorobenzene	ND	5.0	0.83							
1,2,4-Trichlorobenzene	ND	5.0	0.80							
1,2,4-Trimethylbenzene	ND	5.0	0.91							
1,2-Dibromo-3-chloropropane	ND	10	1.1							
1,2-Dibromoethane	ND	5.0	0.40							
1,2-Dichlorobenzene	ND	5.0	0.21							
1,2-Dichloroethane	ND	5.0	0.50							
1,2-Dichloropropane	ND	5.0	0.46							
1,3,5-Trimethylbenzene	ND	5.0	0.70							
1,3-Dichlorobenzene	ND	5.0	0.36							
1,3-Dichloropropane	ND	5.0	0.49							
1,4-Dichlorobenzene	ND	5.0	0.27							
2,2-Dichloropropane	ND	5.0	0.28							
2-Chlorotoluene	ND	5.0	0.53							
4-Chlorotoluene	ND	5.0	0.40							
4-Isopropyltoluene	ND	5.0	0.81							
Benzene	ND	5.0	0.36							
Bromobenzene	ND	5.0	0.62							
Bromochloromethane	ND	5.0	0.30							
Bromodichloromethane	ND	5.0	0.52							
Bromoform	ND	5.0	1.4							
Bromomethane	ND	5.0	2.5							
Carbon disulfide	ND	5.0	0.94							
Carbon tetrachloride	ND	5.0	0.73							
Chlorobenzene	ND	5.0	0.42							
Chloroethane	ND	5.0	1.5							
Chloroform	ND	5.0	0.24							
Chloromethane	ND	5.0	1.1							
cis-1,2-Dichloroethene	ND	5.0	0.20							
cis-1,3-Dichloropropene	ND	5.0	0.39							
Dibromochloromethane	ND	5.0	0.81							
Dibromomethane	ND	5.0	0.23							
Dichlorodifluoromethane	ND	5.0	0.14							
Ethyl Acetate	ND	50	7.0							
Ethyl Ether	ND	50	17							
Ethylbenzene	ND	5.0	0.43							
Freon-113	ND	5.0	1.3							

Certificate of Analysis

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735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
Blank (B2E1186-BLK1) - Continued						Prepared: 5/13/2022 Analyzed: 5/13/2022				
Hexachlorobutadiene	ND	5.0	0.40							
Isopropylbenzene	ND	5.0	0.79							
m,p-Xylene	ND	10	0.98							
Methylene chloride	ND	5.0	2.2							
n-Butylbenzene	ND	5.0	1.2							
n-Propylbenzene	ND	5.0	0.78							
Naphthalene	ND	5.0	1.1							
o-Xylene	ND	5.0	0.67							
sec-Butylbenzene	ND	5.0	0.63							
Styrene	ND	5.0	0.45							
tert-Butylbenzene	ND	5.0	0.80							
Tetrachloroethene	ND	5.0	0.31							
Toluene	ND	5.0	0.27							
trans-1,2-Dichloroethene	ND	5.0	0.56							
trans-1,3-Dichloropropene	ND	5.0	0.59							
Trichloroethene	ND	5.0	0.32							
Trichlorofluoromethane	ND	5.0	1.0							
Vinyl acetate	ND	50	6.0							
Vinyl chloride	ND	5.0	0.92							
Surrogate: 1,2-Dichloroethane-d4	*42.38*			*50.0000*		*84.8*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*43.74*			*50.0000*		*87.5*	*50 - 146*			
Surrogate: Dibromofluoromethane	*46.63*			*50.0000*		*93.3*	*77 - 159*			
Surrogate: Toluene-d8	*49.74*			*50.0000*		*99.5*	*81 - 128*			
LCS (B2E1186-BS1)						Prepared: 5/13/2022 Analyzed: 5/13/2022				
1,1,1,2-Tetrachloroethane	40.5700	5.0	0.52	50.0000		81.1	84 - 123			L3
1,1,1-Trichloroethane	45.3900	5.0	0.26	50.0000		90.8	78 - 133			
1,1,2,2-Tetrachloroethane	52.3100	5.0	0.21	50.0000		105	63 - 127			
1,1,2-Trichloroethane	49.5700	5.0	0.40	50.0000		99.1	80 - 125			
1,1-Dichloroethane	59.3000	5.0	1.4	50.0000		119	77 - 128			
1,1-Dichloroethene	52.3300	5.0	1.9	50.0000		105	69 - 138			
1,1-Dichloropropene	46.4900	5.0	0.54	50.0000		93.0	80 - 133			
1,2,3-Trichloropropane	49.9000	5.0	0.40	50.0000		99.8	74 - 123			
1,2,3-Trichlorobenzene	39.2700	5.0	0.83	50.0000		78.5	79 - 133			L3
1,2,4-Trichlorobenzene	39.7700	5.0	0.80	50.0000		79.5	73 - 131			
1,2,4-Trimethylbenzene	44.6300	5.0	0.91	50.0000		89.3	86 - 137			
1,2-Dibromo-3-chloropropane	43.1100	10	1.1	50.0000		86.2	62 - 127			
1,2-Dibromoethane	46.8000	5.0	0.40	50.0000		93.6	83 - 126			
1,2-Dichlorobenzene	45.1500	5.0	0.21	50.0000		90.3	83 - 123			
1,2-Dichloroethane	41.5500	5.0	0.50	50.0000		83.1	76 - 128			
1,2-Dichloropropane	57.0900	5.0	0.46	50.0000		114	77 - 121			
1,3,5-Trimethylbenzene	43.9600	5.0	0.70	50.0000		87.9	84 - 135			
1,3-Dichlorobenzene	45.0700	5.0	0.36	50.0000		90.1	81 - 126			
1,3-Dichloropropane	50.0400	5.0	0.49	50.0000		100	80 - 118			
1,4-Dichlorobenzene	46.0200	5.0	0.27	50.0000		92.0	80 - 124			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
LCS (B2E1186-BS1) - Continued						Prepared: 5/13/2022 Analyzed: 5/13/2022				
2,2-Dichloropropane	47.5200	5.0	0.28	50.0000		95.0	72 - 135			
2-Chlorotoluene	46.3000	5.0	0.53	50.0000		92.6	81 - 127			
4-Chlorotoluene	46.3200	5.0	0.40	50.0000		92.6	83 - 127			
4-Isopropyltoluene	44.2400	5.0	0.81	50.0000		88.5	82 - 143			
Benzene	54.1000	5.0	0.36	50.0000		108	84 - 123			
Bromobenzene	46.5900	5.0	0.62	50.0000		93.2	80 - 122			
Bromochloromethane	53.7700	5.0	0.30	50.0000		108	83 - 127			
Bromodichloromethane	44.8700	5.0	0.52	50.0000		89.7	82 - 123			
Bromoform	38.1500	5.0	1.4	50.0000		76.3	80 - 132			L3
Bromomethane	56.5400	5.0	2.5	50.0000		113	67 - 176			
Carbon disulfide	42.9700	5.0	0.94	50.0000		85.9	75 - 138			
Carbon tetrachloride	39.3000	5.0	0.73	50.0000		78.6	76 - 131			
Chlorobenzene	44.5900	5.0	0.42	50.0000		89.2	84 - 119			
Chloroethane	77.1700	5.0	1.5	50.0000		154	56 - 170			
Chloroform	51.4400	5.0	0.24	50.0000		103	78 - 129			
Chloromethane	77.0600	5.0	1.1	50.0000		154	63 - 141			L4
cis-1,2-Dichloroethene	46.3600	5.0	0.20	50.0000		92.7	83 - 125			
cis-1,3-Dichloropropene	45.3200	5.0	0.39	50.0000		90.6	76 - 129			
Dibromochloromethane	40.6800	5.0	0.81	50.0000		81.4	81 - 120			
Dibromomethane	46.0900	5.0	0.23	50.0000		92.2	79 - 124			
Dichlorodifluoromethane	54.8200	5.0	0.14	50.0000		110	18 - 199			
Ethyl Acetate	104.580	50	7.0	500.000		20.9	76 - 138			MO
Ethyl Ether	581.170	50	17	500.000		116	74 - 128			
Ethylbenzene	45.9800	5.0	0.43	50.0000		92.0	86 - 130			
Freon-113	48.9800	5.0	1.3	50.0000		98.0	66 - 132			
Hexachlorobutadiene	37.8900	5.0	0.40	50.0000		75.8	64 - 135			
Isopropylbenzene	45.8700	5.0	0.79	50.0000		91.7	80 - 133			
m,p-Xylene	88.9100	10	0.98	100.000		88.9	89 - 133			L3
Methylene chloride	62.0200	5.0	2.2	50.0000		124	72 - 143			
n-Butylbenzene	45.4500	5.0	1.2	50.0000		90.9	76 - 144			
n-Propylbenzene	46.5800	5.0	0.78	50.0000		93.2	81 - 136			
Naphthalene	39.6200	5.0	1.1	50.0000		79.2	64 - 128			
o-Xylene	44.5800	5.0	0.67	50.0000		89.2	82 - 134			
sec-Butylbenzene	46.5200	5.0	0.63	50.0000		93.0	81 - 138			
Styrene	44.8900	5.0	0.45	50.0000		89.8	79 - 152			
tert-Butylbenzene	43.7900	5.0	0.80	50.0000		87.6	81 - 135			
Tetrachloroethene	42.2300	5.0	0.31	50.0000		84.5	75 - 127			
Toluene	49.6500	5.0	0.27	50.0000		99.3	88 - 130			
trans-1,2-Dichloroethene	72.2300	5.0	0.56	50.0000		144	79 - 127			L5
trans-1,3-Dichloropropene	42.5600	5.0	0.59	50.0000		85.1	80 - 130			
Trichloroethene	45.6900	5.0	0.32	50.0000		91.4	83 - 126			
Trichlorofluoromethane	50.7800	5.0	1.0	50.0000		102	62 - 143			
Vinyl acetate	182.800	50	6.0	500.000		36.6	69 - 150			MO
Vinyl chloride	76.6500	5.0	0.92	50.0000		153	69 - 140			L5

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
LCS (B2E1186-BS1) - Continued						Prepared: 5/13/2022 Analyzed: 5/13/2022				
Surrogate: 1,2-Dichloroethane-d4	*48.40*			*50.0000*		*96.8*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.96*			*50.0000*		*97.9*	*50 - 146*			
Surrogate: Dibromofluoromethane	*50.85*			*50.0000*		*102*	*77 - 159*			
Surrogate: Toluene-d8	*51.92*			*50.0000*		*104*	*81 - 128*			
LCS Dup (B2E1186-BSD1)						Prepared: 5/13/2022 Analyzed: 5/13/2022				
1,1,1,2-Tetrachloroethane	49.3900	5.0	0.52	50.0000		98.8	84 - 123	19.6	20	
1,1,1-Trichloroethane	46.8700	5.0	0.26	50.0000		93.7	78 - 133	3.21	20	
1,1,2,2-Tetrachloroethane	60.7800	5.0	0.21	50.0000		122	63 - 127	15.0	20	
1,1,2-Trichloroethane	59.4300	5.0	0.40	50.0000		119	80 - 125	18.1	20	
1,1-Dichloroethane	62.0100	5.0	1.4	50.0000		124	77 - 128	4.47	20	
1,1-Dichloroethene	51.0800	5.0	1.9	50.0000		102	69 - 138	2.42	20	
1,1-Dichloropropene	48.4500	5.0	0.54	50.0000		96.9	80 - 133	4.13	20	
1,2,3-Trichloropropane	57.4100	5.0	0.40	50.0000		115	74 - 123	14.0	20	
1,2,3-Trichlorobenzene	45.8900	5.0	0.83	50.0000		91.8	79 - 133	15.5	20	
1,2,4-Trichlorobenzene	46.1600	5.0	0.80	50.0000		92.3	73 - 131	14.9	20	
1,2,4-Trimethylbenzene	51.7500	5.0	0.91	50.0000		104	86 - 137	14.8	20	
1,2-Dibromo-3-chloropropane	53.3400	10	1.1	50.0000		107	62 - 127	21.2	20	R
1,2-Dibromoethane	54.8500	5.0	0.40	50.0000		110	83 - 126	15.8	20	
1,2-Dichlorobenzene	52.0400	5.0	0.21	50.0000		104	83 - 123	14.2	20	
1,2-Dichloroethane	48.4100	5.0	0.50	50.0000		96.8	76 - 128	15.3	20	
1,2-Dichloropropane	65.8400	5.0	0.46	50.0000		132	77 - 121	14.2	20	L5
1,3,5-Trimethylbenzene	50.9700	5.0	0.70	50.0000		102	84 - 135	14.8	20	
1,3-Dichlorobenzene	50.3200	5.0	0.36	50.0000		101	81 - 126	11.0	20	
1,3-Dichloropropane	60.4600	5.0	0.49	50.0000		121	80 - 118	18.9	20	L3
1,4-Dichlorobenzene	52.0700	5.0	0.27	50.0000		104	80 - 124	12.3	20	
2,2-Dichloropropane	49.1100	5.0	0.28	50.0000		98.2	72 - 135	3.29	20	
2-Chlorotoluene	54.3600	5.0	0.53	50.0000		109	81 - 127	16.0	20	
4-Chlorotoluene	53.2700	5.0	0.40	50.0000		107	83 - 127	14.0	20	
4-Isopropyltoluene	49.3400	5.0	0.81	50.0000		98.7	82 - 143	10.9	20	
Benzene	57.0700	5.0	0.36	50.0000		114	84 - 123	5.34	20	
Bromobenzene	52.9800	5.0	0.62	50.0000		106	80 - 122	12.8	20	
Bromochloromethane	59.6000	5.0	0.30	50.0000		119	83 - 127	10.3	20	
Bromodichloromethane	52.3000	5.0	0.52	50.0000		105	82 - 123	15.3	20	
Bromoform	46.9200	5.0	1.4	50.0000		93.8	80 - 132	20.6	20	R
Bromomethane	55.1500	5.0	2.5	50.0000		110	67 - 176	2.49	20	
Carbon disulfide	42.6700	5.0	0.94	50.0000		85.3	75 - 138	0.701	20	
Carbon tetrachloride	39.9800	5.0	0.73	50.0000		80.0	76 - 131	1.72	20	
Chlorobenzene	53.7600	5.0	0.42	50.0000		108	84 - 119	18.6	20	
Chloroethane	70.1700	5.0	1.5	50.0000		140	56 - 170	9.50	20	
Chloroform	57.7100	5.0	0.24	50.0000		115	78 - 129	11.5	20	
Chloromethane	76.4600	5.0	1.1	50.0000		153	63 - 141	0.782	20	L4
cis-1,2-Dichloroethene	48.8700	5.0	0.20	50.0000		97.7	83 - 125	5.27	20	
cis-1,3-Dichloropropene	54.5900	5.0	0.39	50.0000		109	76 - 129	18.6	20	
Dibromochloromethane	48.9400	5.0	0.81	50.0000		97.9	81 - 120	18.4	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
LCS Dup (B2E1186-BSD1) - Continued						Prepared: 5/13/2022 Analyzed: 5/13/2022				
Dibromomethane	54.1700	5.0	0.23	50.0000		108	79 - 124	16.1	20	
Dichlorodifluoromethane	53.3300	5.0	0.14	50.0000		107	18 - 199	2.76	20	
Ethyl Acetate	53.8500	50	7.0	500.000		10.8	76 - 138	64.0	20	MO, R
Ethyl Ether	581.630	50	17	500.000		116	74 - 128	0.0791	20	
Ethylbenzene	55.2100	5.0	0.43	50.0000		110	86 - 130	18.2	20	
Freon-113	48.0200	5.0	1.3	50.0000		96.0	66 - 132	1.98	20	
Hexachlorobutadiene	42.2600	5.0	0.40	50.0000		84.5	64 - 135	10.9	20	
Isopropylbenzene	54.3100	5.0	0.79	50.0000		109	80 - 133	16.8	20	
m,p-Xylene	104.680	10	0.98	100.000		105	89 - 133	16.3	20	
Methylene chloride	62.4200	5.0	2.2	50.0000		125	72 - 143	0.643	20	
n-Butylbenzene	52.5200	5.0	1.2	50.0000		105	76 - 144	14.4	20	
n-Propylbenzene	53.4900	5.0	0.78	50.0000		107	81 - 136	13.8	20	
Naphthalene	46.5000	5.0	1.1	50.0000		93.0	64 - 128	16.0	20	
o-Xylene	53.8900	5.0	0.67	50.0000		108	82 - 134	18.9	20	
sec-Butylbenzene	52.4700	5.0	0.63	50.0000		105	81 - 138	12.0	20	
Styrene	54.4900	5.0	0.45	50.0000		109	79 - 152	19.3	20	
tert-Butylbenzene	49.4300	5.0	0.80	50.0000		98.9	81 - 135	12.1	20	
Tetrachloroethene	49.9700	5.0	0.31	50.0000		99.9	75 - 127	16.8	20	
Toluene	56.7100	5.0	0.27	50.0000		113	88 - 130	13.3	20	
trans-1,2-Dichloroethene	72.9000	5.0	0.56	50.0000		146	79 - 127	0.923	20	L5
trans-1,3-Dichloropropene	51.2400	5.0	0.59	50.0000		102	80 - 130	18.5	20	
Trichloroethene	49.9600	5.0	0.32	50.0000		99.9	83 - 126	8.93	20	
Trichlorofluoromethane	47.6900	5.0	1.0	50.0000		95.4	62 - 143	6.28	20	
Vinyl acetate	161.210	50	6.0	500.000		32.2	69 - 150	12.6	20	MO
Vinyl chloride	76.1600	5.0	0.92	50.0000		152	69 - 140	0.641	20	L5
Surrogate: 1,2-Dichloroethane-d4	*48.25*			*50.0000*		*96.5*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*50.60*			*50.0000*		*101*	*50 - 146*			
Surrogate: Dibromofluoromethane	*51.67*			*50.0000*		*103*	*77 - 159*			
Surrogate: Toluene-d8	*51.46*			*50.0000*		*103*	*81 - 128*			
Matrix Spike (B2E1186-MS1)			**Source: 2201217-01**			Prepared: 5/13/2022 Analyzed: 5/13/2022				
1,1,1,2-Tetrachloroethane	28.2446	4.9	0.51	49.3097	ND	57.3	50 - 126			
1,1,1-Trichloroethane	34.2110	4.9	0.26	49.3097	ND	69.4	56 - 144			
1,1,2,2-Tetrachloroethane	37.3964	4.9	0.20	49.3097	ND	75.8	20 - 153			
1,1,2-Trichloroethane	35.6016	4.9	0.40	49.3097	ND	72.2	0 - 421			
1,1-Dichloroethane	43.8560	4.9	1.3	49.3097	ND	88.9	58 - 131			
1,1-Dichloroethene	41.0848	4.9	1.9	49.3097	ND	83.3	60 - 143			
1,1-Dichloropropene	37.0020	4.9	0.53	49.3097	ND	75.0	57 - 144			
1,2,3-Trichloropropane	34.0828	4.9	0.39	49.3097	ND	69.1	52 - 121			
1,2,3-Trichlorobenzene	18.5799	4.9	0.82	49.3097	ND	37.7	0 - 153			
1,2,4-Trichlorobenzene	19.3984	4.9	0.79	49.3097	ND	39.3	0 - 146			
1,2,4-Trimethylbenzene	29.3195	4.9	0.90	49.3097	ND	59.5	26 - 155			
1,2-Dibromo-3-chloropropane	28.5404	9.9	1.1	49.3097	ND	57.9	36 - 125			
1,2-Dibromoethane	31.3609	4.9	0.40	49.3097	ND	63.6	56 - 127			
1,2-Dichlorobenzene	28.4714	4.9	0.21	49.3097	ND	57.7	26 - 136			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
Matrix Spike (B2E1186-MS1) - Continued			**Source: 2201217-01**			Prepared: 5/13/2022 Analyzed: 5/13/2022				
1,2-Dichloroethane	29.1716	4.9	0.50	49.3097	ND	59.2	60 - 118			M2
1,2-Dichloropropane	40.6016	4.9	0.46	49.3097	ND	82.3	52 - 124			
1,3,5-Trimethylbenzene	29.7633	4.9	0.69	49.3097	ND	60.4	31 - 152			
1,3-Dichlorobenzene	28.0178	4.9	0.36	49.3097	ND	56.8	26 - 140			
1,3-Dichloropropane	34.8324	4.9	0.49	49.3097	ND	70.6	56 - 118			
1,4-Dichlorobenzene	29.1617	4.9	0.27	49.3097	ND	59.1	27 - 136			
2,2-Dichloropropane	35.5325	4.9	0.27	49.3097	ND	72.1	50 - 146			
2-Chlorotoluene	31.4596	4.9	0.52	49.3097	ND	63.8	28 - 149			
4-Chlorotoluene	29.9112	4.9	0.39	49.3097	ND	60.7	35 - 142			
4-Isopropyltoluene	28.4418	4.9	0.80	49.3097	ND	57.7	12 - 175			
Benzene	39.5168	4.9	0.35	49.3097	ND	80.1	61 - 127			
Bromobenzene	29.6450	4.9	0.62	49.3097	ND	60.1	40 - 129			
Bromochloromethane	38.3826	4.9	0.29	49.3097	ND	77.8	57 - 135			
Bromodichloromethane	30.4241	4.9	0.52	49.3097	ND	61.7	58 - 119			
Bromoform	27.3077	4.9	1.4	49.3097	ND	55.4	48 - 130			
Bromomethane	41.6075	4.9	2.4	49.3097	ND	84.4	40 - 183			
Carbon disulfide	34.2110	4.9	0.93	49.3097	ND	69.4	49 - 153			
Carbon tetrachloride	29.9507	4.9	0.72	49.3097	ND	60.7	49 - 146			
Chlorobenzene	30.5424	4.9	0.42	49.3097	ND	61.9	46 - 128			
Chloroethane	56.6962	4.9	1.5	49.3097	ND	115	37 - 178			
Chloroform	37.1203	4.9	0.23	49.3097	ND	75.3	59 - 129			
Chloromethane	62.2091	4.9	1.1	49.3097	ND	126	31 - 168			
cis-1,2-Dichloroethene	31.8442	4.9	0.20	49.3097	ND	64.6	52 - 137			
cis-1,3-Dichloropropene	31.6568	4.9	0.38	49.3097	ND	64.2	45 - 130			
Dibromochloromethane	28.1558	4.9	0.80	49.3097	ND	57.1	56 - 117			
Dibromomethane	32.6430	4.9	0.22	49.3097	ND	66.2	62 - 116			
Dichlorodifluoromethane	45.1775	4.9	0.14	49.3097	ND	91.6	0 - 266			
Ethyl Acetate	ND	49	6.9	493.097	ND	NR	16 - 156			MO
Ethyl Ether	420.651	49	17	493.097	ND	85.3	58 - 127			
Ethylbenzene	33.4221	4.9	0.43	49.3097	ND	67.8	43 - 144			
Freon-113	38.0375	4.9	1.3	49.3097	ND	77.1	45 - 148			
Hexachlorobutadiene	19.7436	4.9	0.39	49.3097	ND	40.0	0 - 149			
Isopropylbenzene	33.1262	4.9	0.78	49.3097	ND	67.2	38 - 148			
m,p-Xylene	62.6627	9.9	0.97	98.6193	ND	63.5	43 - 146			
Methylene chloride	44.6548	4.9	2.1	49.3097	4.74359	80.9	51 - 139			
n-Butylbenzene	27.7613	4.9	1.2	49.3097	ND	56.3	11 - 163			
n-Propylbenzene	32.0513	4.9	0.77	49.3097	ND	65.0	31 - 154			
Naphthalene	21.7258	4.9	1.1	49.3097	ND	44.1	0 - 266			
o-Xylene	30.8087	4.9	0.66	49.3097	ND	62.5	40 - 142			
sec-Butylbenzene	31.6469	4.9	0.62	49.3097	ND	64.2	20 - 161			
Styrene	29.8915	4.9	0.45	49.3097	ND	60.6	31 - 157			
tert-Butylbenzene	29.1124	4.9	0.79	49.3097	ND	59.0	28 - 155			
Tetrachloroethene	32.6726	4.9	0.30	49.3097	ND	66.3	39 - 144			
Toluene	35.9270	4.9	0.26	49.3097	ND	72.9	10 - 179			
trans-1,2-Dichloroethene	55.5030	4.9	0.55	49.3097	ND	113	60 - 135			

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
Matrix Spike (B2E1186-MS1) - Continued			**Source: 2201217-01**			Prepared: 5/13/2022 Analyzed: 5/13/2022				
trans-1,3-Dichloropropene	29.2505	4.9	0.58	49.3097	ND	59.3	53 - 131			
Trichloroethene	34.1223	4.9	0.31	49.3097	ND	69.2	54 - 135			
Trichlorofluoromethane	41.1144	4.9	1.0	49.3097	ND	83.4	35 - 165			
Vinyl acetate	88.7870	49	5.9	493.097	ND	18.0	0 - 180			
Vinyl chloride	58.6489	4.9	0.91	49.3097	ND	119	44 - 165			
Surrogate: 1,2-Dichloroethane-d4	*51.66*			*49.3097*		*105*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*48.89*			*49.3097*		*99.1*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.68*			*49.3097*		*109*	*77 - 159*			
Surrogate: Toluene-d8	*51.26*			*49.3097*		*104*	*81 - 128*			
Matrix Spike Dup (B2E1186-MSD1)			**Source: 2201217-01**			Prepared: 5/13/2022 Analyzed: 5/13/2022				
1,1,1,2-Tetrachloroethane	33.9165	5.0	0.52	49.7018	ND	68.2	50 - 126	18.2	20	
1,1,1-Trichloroethane	40.6660	5.0	0.26	49.7018	ND	81.8	56 - 144	17.2	20	
1,1,2,2-Tetrachloroethane	45.8748	5.0	0.21	49.7018	ND	92.3	20 - 153	20.4	20	R
1,1,2-Trichloroethane	43.3897	5.0	0.40	49.7018	ND	87.3	0 - 421	19.7	20	
1,1-Dichloroethane	50.9244	5.0	1.4	49.7018	ND	102	58 - 131	14.9	20	
1,1-Dichloroethene	47.2266	5.0	1.9	49.7018	ND	95.0	60 - 143	13.9	20	
1,1-Dichloropropene	42.4056	5.0	0.53	49.7018	ND	85.3	57 - 144	13.6	20	
1,2,3-Trichloropropane	44.0756	5.0	0.40	49.7018	ND	88.7	52 - 121	25.6	20	R
1,2,3-Trichlorobenzene	23.2505	5.0	0.82	49.7018	ND	46.8	0 - 153	22.3	20	R
1,2,4-Trichlorobenzene	23.0318	5.0	0.80	49.7018	ND	46.3	0 - 146	17.1	20	
1,2,4-Trimethylbenzene	34.7217	5.0	0.90	49.7018	ND	69.9	26 - 155	16.9	20	
1,2-Dibromo-3-chloropropane	37.1968	9.9	1.1	49.7018	ND	74.8	36 - 125	26.3	20	R
1,2-Dibromoethane	39.2744	5.0	0.40	49.7018	ND	79.0	56 - 127	22.4	20	R
1,2-Dichlorobenzene	33.0418	5.0	0.21	49.7018	ND	66.5	26 - 136	14.9	20	
1,2-Dichloroethane	35.3082	5.0	0.50	49.7018	ND	71.0	60 - 118	19.0	20	
1,2-Dichloropropane	48.3101	5.0	0.46	49.7018	ND	97.2	52 - 124	17.3	20	
1,3,5-Trimethylbenzene	34.7316	5.0	0.70	49.7018	ND	69.9	31 - 152	15.4	20	
1,3-Dichlorobenzene	32.3658	5.0	0.36	49.7018	ND	65.1	26 - 140	14.4	20	
1,3-Dichloropropane	42.1670	5.0	0.49	49.7018	ND	84.8	56 - 118	19.1	20	
1,4-Dichlorobenzene	33.3698	5.0	0.27	49.7018	ND	67.1	27 - 136	13.5	20	
2,2-Dichloropropane	41.5706	5.0	0.28	49.7018	ND	83.6	50 - 146	15.7	20	
2-Chlorotoluene	37.0278	5.0	0.52	49.7018	ND	74.5	28 - 149	16.3	20	
4-Chlorotoluene	35.6859	5.0	0.40	49.7018	ND	71.8	35 - 142	17.6	20	
4-Isopropyltoluene	33.7972	5.0	0.81	49.7018	ND	68.0	12 - 175	17.2	20	
Benzene	47.3559	5.0	0.35	49.7018	ND	95.3	61 - 127	18.0	20	
Bromobenzene	35.7157	5.0	0.62	49.7018	ND	71.9	40 - 129	18.6	20	
Bromochloromethane	43.3897	5.0	0.29	49.7018	ND	87.3	57 - 135	12.2	20	
Bromodichloromethane	36.5109	5.0	0.52	49.7018	ND	73.5	58 - 119	18.2	20	
Bromoform	34.0656	5.0	1.4	49.7018	ND	68.5	48 - 130	22.0	20	R
Bromomethane	46.4414	5.0	2.5	49.7018	ND	93.4	40 - 183	11.0	20	
Carbon disulfide	38.9364	5.0	0.94	49.7018	ND	78.3	49 - 153	12.9	20	
Carbon tetrachloride	37.2167	5.0	0.73	49.7018	ND	74.9	49 - 146	21.6	20	R
Chlorobenzene	35.8549	5.0	0.42	49.7018	ND	72.1	46 - 128	16.0	20	
Chloroethane	63.8767	5.0	1.5	49.7018	ND	129	37 - 178	11.9	20	

Certificate of Analysis

Stantec	Project Number : Dedeaux-Bloomington / 185805575
735 E. Carnegie Drive, Suite 280	Report To : Alicia Jansen
San Bernardino , CA 92408	Reported : 05/16/2022

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2E1186 - MSVOA_S (continued)										
Matrix Spike Dup (B2E1186-MSD1) - Continued		**Source: 2201217-01**				Prepared: 5/13/2022 Analyzed: 5/13/2022				
Chloroform	42.6839	5.0	0.24	49.7018	ND	85.9	59 - 129	13.9	20	
Chloromethane	64.1054	5.0	1.1	49.7018	ND	129	31 - 168	3.00	20	
cis-1,2-Dichloroethene	36.3618	5.0	0.20	49.7018	ND	73.2	52 - 137	13.2	20	
cis-1,3-Dichloropropene	37.9821	5.0	0.39	49.7018	ND	76.4	45 - 130	18.2	20	
Dibromochloromethane	32.7634	5.0	0.80	49.7018	ND	65.9	56 - 117	15.1	20	
Dibromomethane	37.6044	5.0	0.23	49.7018	ND	75.7	62 - 116	14.1	20	
Dichlorodifluoromethane	51.9781	5.0	0.14	49.7018	ND	105	0 - 266	14.0	20	
Ethyl Acetate	ND	50	7.0	497.018	ND	NR	16 - 156	NR	20	MO
Ethyl Ether	484.871	50	17	497.018	ND	97.6	58 - 127	14.2	20	
Ethylbenzene	38.9563	5.0	0.43	49.7018	ND	78.4	43 - 144	15.3	20	
Freon-113	44.7813	5.0	1.3	49.7018	ND	90.1	45 - 148	16.3	20	
Hexachlorobutadiene	21.7992	5.0	0.39	49.7018	ND	43.9	0 - 149	9.90	20	
Isopropylbenzene	39.0258	5.0	0.79	49.7018	ND	78.5	38 - 148	16.4	20	
m,p-Xylene	71.5706	9.9	0.98	99.4036	ND	72.0	43 - 146	13.3	20	
Methylene chloride	51.8688	5.0	2.2	49.7018	4.74359	94.8	51 - 139	14.9	20	
n-Butylbenzene	32.4056	5.0	1.2	49.7018	ND	65.2	11 - 163	15.4	20	
n-Propylbenzene	37.3459	5.0	0.78	49.7018	ND	75.1	31 - 154	15.3	20	
Naphthalene	25.9145	5.0	1.1	49.7018	ND	52.1	0 - 266	17.6	20	
o-Xylene	35.9642	5.0	0.67	49.7018	ND	72.4	40 - 142	15.4	20	
sec-Butylbenzene	36.4215	5.0	0.62	49.7018	ND	73.3	20 - 161	14.0	20	
Styrene	35.4771	5.0	0.45	49.7018	ND	71.4	31 - 157	17.1	20	
tert-Butylbenzene	33.9563	5.0	0.79	49.7018	ND	68.3	28 - 155	15.4	20	
Tetrachloroethene	38.6382	5.0	0.31	49.7018	ND	77.7	39 - 144	16.7	20	
Toluene	42.6740	5.0	0.27	49.7018	ND	85.9	10 - 179	17.2	20	
trans-1,2-Dichloroethene	66.1829	5.0	0.56	49.7018	ND	133	60 - 135	17.6	20	
trans-1,3-Dichloropropene	35.7952	5.0	0.59	49.7018	ND	72.0	53 - 131	20.1	20	R
Trichloroethene	42.2863	5.0	0.31	49.7018	ND	85.1	54 - 135	21.4	20	R
Trichlorofluoromethane	47.0179	5.0	1.0	49.7018	ND	94.6	35 - 165	13.4	20	
Vinyl acetate	106.163	50	5.9	497.018	ND	21.4	0 - 180	17.8	20	
Vinyl chloride	68.5586	5.0	0.92	49.7018	ND	138	44 - 165	15.6	20	
Surrogate: 1,2-Dichloroethane-d4	*51.06*			*49.7018*		*103*	*66 - 200*			
Surrogate: 4-Bromofluorobenzene	*49.02*			*49.7018*		*98.6*	*50 - 146*			
Surrogate: Dibromofluoromethane	*53.36*			*49.7018*		*107*	*77 - 159*			
Surrogate: Toluene-d8	*52.29*			*49.7018*		*105*	*81 - 128*			

Stantec

2201165

CHAIN OF CUSTODY

Laboratory Project Number: _____

3.6 °C

Page 1 of 2

Client Name/Address:	Project Manager:	Analysis Required										Turn Around Time:
Stantec Consulting Services Inc. **735 E. Carnegie Drive, Suite 280** **San Bernardino, CA 92408** **909-335-6116**	**Alicia Jansen**											Normal X
	E-Mail Address:											72 Hour:
	alicia.jansen@stantec.com											48 Hour
Laboratory:	Sampler Name:											24 Hour
ATL **3275 Walnut Ave.** **Signal Hill, CA** **800-499-4388**	**Mitchell Bohn**											Same Day:
	Stantec Project Number:											Other:
	185805575											Sample Temp °C: _____
	Project:											
	Dedeaux - Bloomington											

	Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time	Filtered Sample	TPH - GRO/DRO/ORO - 8015B	As/Pb - 6010B	OCPs - 8081A	VOCs - 8260B	CAM-17 Metals - 6010B	HOLD					Special Instructions
1	HA-1-1	Soil	1	1	5/6/22	0754			X	X								
2	HA-1-3					0758							X					
3	HA-2-1					0806			X	X								
4	HA-2-3					0810							X					
5	HA-3-1					0812			X	X								
6	HA-3-3					0814							X					
7	SV-1-1					0823		X			X							
8	SV-1-3					0825		X			X							
9	SV-2-1					0844		X			X							
10	SV-2-3					0847		X			X							
11	SV-3-1					0857		X			X							
12	SV-3-3					0859		X			X							
13	SV-4-1					0913		X			X							
14	SV-4-3					0916		X			X							
15	CS-1					1101		X		X	X	X						

Sample Preservative: **1**=ICE - **2**=HCl - **3**=H_2SO_4 - **4**=HNO_3 - **5**=NaOH - **6**=Other: _____

Special Instructions:

Relinquished By:	Date	Time	Received By + Company Name:	Date	Time
	5/9/22	1156	Michael Lehyan ATL	5/9/22	1156
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
	5922	1357	Thom	5/9/22	13:57
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time

Stantec

2201165

CHAIN OF CUSTODY

Laboratory Project Number: _____

Client Name/Address:	Project Manager:
Stantec Consulting Services Inc. **735 E. Carnegie Drive, Suite 280** **San Bernardino, CA 92408** **909-335-6116**	**Alicia Jansen**
	E-Mail Address: **alicia.jansen@stantec.com**
	Sampler Name: **Mitchell Bohn**
Laboratory: **ATL** **3275 Walnut Ave.** **Signal Hill, CA** **800-499-4388**	Stantec Project Number: **185805575**
	Project: **Dedeaux - Bloomington**

Turn Around Time: Normal X; 72 Hour: ; 48 Hour ; 24 Hour ; Same Day: ; Other:

Sample Temp °C: _____

	Sample Description/Identification	Sample Matrix	Preservative (see below)	# of Cont.	Sample Date	Sample Time	Filtered Sample	TPH - GRO/DRO/ORO - 8015B	As/Pb - 6010B	OCPs - 8081A	VOCs - 8260B	CAM-17 Metals - 6010B	HOLD	Special Instructions
16	CS-2	Soil	1	1	5/6/22	1110		X		X	X	X		
17	CS-3					1117		X		X	X	X		
18	CS-4					1125		X		X	X	X		
19	CS-5					1142		X		X	X	X		
20	CS-6					1135		X		X	X	X		
21	CS-7					1152		X		X	X	X		
22	CS-8	Soil	1	1	5/6/22	1200		X		X	X	X		

Sample Preservative: **1**=ICE - **2**=HCl - **3**=H_2SO_4 - **4**=HNO_3 - **5**=NaOH - **6**=Other: _____

Special Instructions:

Relinquished By:	Date	Time	Received By + Company Name:	Date	Time
	5/9/22	1156	Michelle ATL	5/9/22	1156
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time
	5922	1357	Tucson	5/9/22	13:57
Relinquished By + Company Name:	Date	Time	Received By + Company Name:	Date	Time