APPENDIX H6: LIMITED PHASE II ESA

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R E P O R T

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

PROPOSED BLOOMINGTON BUSINESS PARK PROPERTIES
BLOCK 1, SITE NO. 24 (18358 JURUPA AVENUE),
BLOCK 1, SITE NO. 30 (11266 LINDEN AVENUE), AND
BLOCK 2, SITE NO. 18 (11146 MAPLE AVENUE)
BLOOMINGTON, SAN BERNARDINO COUNTY, CALIFORNIA

Prepared for

RG Bloomington LLC
c/o Rockefeller Group Development Corporation

June 16, 2021

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AECOM Project No. 60659871

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June 16, 2021

RG Bloomington LLC
c/o Rockefeller Group Development Corporation
4 Park Plaza – Suite 840
Irvine, CA 92614

Attn: Marc Berg, Vice President

Subject: Report
Limited Phase II Environmental Site Assessment
Proposed Bloomington Business Park Properties
Block 1, Site No. 24 (18358 Jurupa Avenue),
Block 1, Site No. 30 (11266 Linden Avenue), and
Block 2, Site No. 18 (11146 Maple Avenue)
Bloomington, San Bernardino County, California
For RG Bloomington LLC c/o Rockefeller Group Development Corporation
AECOM Project No. 60659871

Dear Mr. Berg:

AECOM Technical Services, Inc. (AECOM) is pleased to submit the attached report, *Limited Phase II Environmental Site Assessment, Proposed Bloomington Business Park Properties, Block 1, Site No. 24 (18358 Jurupa Avenue), Block 1, Site No. 30 (11266 Linden Avenue), and Block 2, Site No. 18 (11146 Maple Avenue), Bloomington, San Bernardino County, California* to RG Bloomington LLC c/o Rockefeller Group Development Corporation ("Client"). These properties are part of larger blocks of properties that have been proposed to be redeveloped into a business park. Preliminary results from AECOM's Phase I Environmental Site Assessments identified these three properties as areas where the Client should conduct additional investigation. This report presents the findings of the Limited Phase II Environmental Site Assessment conducted by AECOM.

Should you have any questions or comments regarding this report, please feel free to call me at (714) 567-2750.

Sincerely,

Gary M. Hann
Senior Project Engineer

Attachment

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

PROPOSED BLOOMINGTON BUSINESS PARK PROPERTIES
BLOCK 1, SITE NO. 24 (18358 JURUPA AVENUE),
BLOCK 1, SITE NO. 30 (11266 LINDEN AVENUE), AND
BLOCK 2, SITE NO. 18 (11146 MAPLE AVENUE)
BLOOMINGTON, SAN BERNARDINO COUNTY, CALIFORNIA

On behalf of the Client, AECOM has prepared this Limited Phase II Environmental Site Assessment Report for three proposed Bloomington Business Park properties (18358 Jurupa Avenue, 11266 Linden Avenue, and 11146 Maple Avenue) in Bloomington, California. The conclusions presented in this report are professional opinions based solely upon the data described in this report. They are intended exclusively for the purpose outlined herein and the site location and project indicated. This report was prepared for the sole use and benefit of the Client. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Given that the scope of services for this investigation was limited to the soil boring and soil vapor monitoring probe locations indicated, and that conditions may vary between the points explored, it is possible that currently unrecognized subsurface conditions may be present at the Site. Opinions relating to environmental and geologic conditions are based on limited data and actual conditions may vary from those encountered at the times when and locations where data were obtained. No express or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed by the Client with the customary thoroughness and competence of professionals working in the same area on similar projects.

AECOM

Jerome R. Zimmerle Jr., PE
Principal Engineer
California PE No. C37453
June 16, 2021

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1.0 INTRODUCTION

Presented in this report are the results of a Limited Phase II Environmental Site Assessment (ESA) for three individual properties (18358 Jurupa Avenue, 11266 Linden Avenue, and 11146 Maple Avenue) within two different blocks (Block 1 and Block 2) of the proposed Bloomington Business Park development in Bloomington, California (Site). A Site Location Map is shown on **Figure 1** and Site Plans for Block 1 and Block 2 are shown on **Figures 2 and 3**, respectively. These properties are part of a larger group of properties that have been proposed to be redeveloped into a business park.

Preliminary results from AECOM's Phase I ESAs (AECOM, 2021a and 2021b) identified these three properties as areas where the Client should conduct additional investigation. Constituents of concern included total petroleum hydrocarbons (gasoline, diesel, and oil ranges), volatile organic compounds (VOCs), organochlorine pesticides (OCPs), and metals. Concentrations of these constituents of concern were then compared to various criteria, including San Francisco Bay Regional Water Quality Control Board (SFB-RWQCB) Environmental Screening Levels (ESLs), Los Angeles Regional Water Quality Control Board (LA-RWQCB) Soil Screening Levels (SSLs), United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs), and California Department of Toxic Substances Control (DTSC) Ambient Screening Levels.

2.0 SITE BACKGROUND

Preliminary results from AECOM's Phase I ESAs identified three areas associated with the subject properties where the Client requested additional investigation.

Block 1, Site No. 24 (18358 Jurupa Avenue)

This site includes a single-family residence with swimming pool/spa fronting Jurupa Avenue and detached office, metal shop canopy structure, horse stables, and horse corral. In the backyard area were several metal/wood shed structures including the shop structure used for vehicle/equipment repairs. In 2020, a Phase I ESA report completed by Kennedy/Jenks Consultants, Inc. (Kennedy/Jenks, 2020) stated that an in-ground shallow concrete pit was present in the shop structure, which was not visible at the time of AECOM's initial site visit. No staining was noted in the auto repair shop structure at the time of the previous report or during AECOM's initial site visit. Construction/demolition debris piles and tires were observed stored in the northwestern corner of backyard as well as a portable toilet. Asphalt grading/paving equipment was observed along the central portion of the western subject property boundary. De minimis tar-like staining (approximately 3 feet by 3 feet) was observed in the area of the asphalt grading/paving equipment.

During the follow-up site visit on April 29, 2021, AECOM was able to make observations of the concrete pit, which was located in the southern portion of the shop structure. The pit was approximately 11 feet long by 4 feet wide by 5 feet deep and appeared to be used as a subgrade oil change bay/equipment repair structure. The sidewalls of the concrete pit were observed to be intact (i.e., no cracks or deficiencies); however, AECOM could not observe the base of the pit as approximately 3 inches of debris and sediment covered the bottom of the pit. It was unknown if the base of the pit was paved or unpaved dirt. Based on the lack of available information regarding the integrity of the structure and potential historical uses (e.g., equipment repair, oil change bay, etc.), the concrete pit was considered an area where additional limited investigation was warranted.

Block 1, Site No. 30 (11266 Linden Avenue)

This site includes a single-family residence with swimming pool fronting Linden Avenue. In the backyard area (western portion) was a scrap yard and detached large metal shop/storage garage (approximately 5,000 square feet) with two roll-up doors. An aboveground lift (reportedly not in use) was observed in the shop/storage garage at the time of the initial site visit. In 2020, a Phase I ESA report completed by Kennedy/Jenks Consultants, Inc. (Kennedy/Jenks, 2020) stated that the aboveground lift was hydraulic and a floor drain was present in the shop/storage garage. Due to the volume of miscellaneous items (i.e., storage/boxes, tools, yard equipment, etc.) stored in the shop/storage garage, the potential presence of a floor drain could not be confirmed at the time of AECOM's initial site visit. In addition, AECOM could not confirm that the aboveground lift was hydraulic at the time of the initial site visit. The scrap yard was observed to contain numerous

appliances, vehicles, tires, washer/dryer unit, and two tractors. Trash/debris was observed throughout the scrap yard.

During the follow-up site visit on April 29, 2021, AECOM was able to make observations of the aboveground hydraulic lift and the floor drain in the shop/storage garage structure. The aboveground lift was confirmed to be hydraulic at the time of the follow-up site visit; however, due to the volume of items stored in the vicinity of the lift, AECOM could not observe the suspended hydraulic oil reservoir connected to the lift. Based on the condition of the concrete flooring in the shop/storage garage (intact), lack of use of the hydraulic lift, and lack of evidence of a release, the aboveground hydraulic lift is not considered an area where additional limited investigation is warranted. The floor drain was observed to be approximately 2 inches in diameter. According to the tenant at the property, the floor drain is capped, and is no longer is use. The discharge point of the drain was not known. The subject property is not connected to a municipal sewer system and the residence of the parcel is serviced by a septic tank system. De minimis oily-type staining (approximately 1 foot by 1 foot in size) was observed on the intact concrete nearby the floor drain. Based on the former use of the shop/storage garage (i.e., auto repairing) and unknown discharge point, the floor drain was considered an area where additional limited investigation was warranted.

Block 2, Site No. 18 (11146 Maple Avenue)

This site is a palm tree farm/agricultural land which houses and waters palm trees until they are sold. A mobile home with an associated low-profile septic tank is located in the southeastern portion of the parcel. Several trailers were located in the central portion of the parcel. A septic tank is located directly south of the trailers. East of the trailers, on the central portion of the parcel, is an equipment/vehicle (i.e., field trucks, bucket/grapple saw trucks, tractors, trenchers, harvesters, forklifts, etc.) repair area on bare ground. The ground surface in the automotive/equipment repair area appeared to be covered with crushed asphalt and several pieces of stained plywood were staged on the ground throughout. Based on the nature of the activities in this area (e.g., equipment/vehicle repair), it is considered an area where additional limited investigation is warranted.

During the initial site visit, a 1,600-gallon, single-walled waste oil aboveground storage tank (AST) mounted onto a trailer and large debris pile were observed in the north-central portion of the parcel. The AST had visible spillage along the sides of the tank from the fill port and a strong oily odor was noted in the vicinity of the AST. Due to the debris surrounding the AST, AECOM could not view all portions of the AST and surrounding ground surface. On the debris pile were numerous empty 55-gallon drums, 5-gallon oil containers previously containing oil, drip pans, and used oil filters. In addition, a television set, wooden pallets, plant debris, and miscellaneous solid wastes were also observed on the debris pile. Several used oil filters were observed on the bare ground surface in the vicinity of the AST and debris pile. Due to the size of the debris pile, it is unknown what other (if any) unidentified wastes/materials (i.e., petroleum products, hazardous materials and/or wastes) were present. The bare ground surface beneath the debris pile was not visible.

During the follow-up site visit, AECOM was able to view all portions of the AST and surrounding ground surface. Staining was not observed beneath the AST. Facility personnel had removed the debris in the immediate vicinity of the AST as well as most of the 55-gallon drums and 5-gallon oil containers from the debris pile. However, several remaining oil containers were observed during the follow-up site visit. Staining was not observed on the bare ground surface at the base of the debris pile; however, the ground surface beneath the debris pile was not visible. In addition, AECOM observed a roll-off dumpster to the east of the AST and debris pile, into which the oil containers that had been removed from the debris pile had been placed. The side doors of the roll-off dumpster were observed to be cracked open during the follow-up site visit. Based on the nature of the storage in this portion of the parcel (i.e., petroleum-based products) and lack of visibility of the ground beneath the debris pile, the debris pile was considered an area where additional limited investigation was warranted.

3.0 PURPOSE OF INVESTIGATION

The purpose of this investigation was to determine if areas of concern identified during the Phase I ESAs are areas where additional investigation and/or remediation will be necessary prior to redevelopment. For each of the properties identified, this included advancing shallow soil borings, collecting soil samples from each boring, and installing a temporary soil vapor probe (or sampling point) within each of the borings. In accordance with State requirements, the investigation was conducted under the direction of a California Professional Geologist. A brief description of each task for this phase of work is presented in the following section.

4.0 SCOPE OF INVESTIGATION AND INVESTIGATIVE METHODS

The field activities were conducted by AECOM between May 18 and 24, 2021.

4.1 HEALTH AND SAFETY PLAN

Prior to field work, AECOM prepared a Site-specific Health and Safety Plan (HASP) pursuant to 29 Code of Federal Regulations, Part 1910.120 (Health and Safety Code) and California Code of Regulations, Title 8, Section 5192. The plan addresses the following:

- Identifying and describing potentially hazardous substances that may be encountered during field operations;
- Specifying protective equipment and clothing for onsite activities; and
- Outlining measures to be implemented in the event of an emergency.

In order to encourage proper health and safety practices, AECOM field personnel were required to review the HASP prior to commencing with the field procedures. One hard copy of the HASP was kept onsite during field activities and an electronic copy is maintained on the AECOM office (Camarillo, California) server.

4.2 PRE-FIELD ACTIVITIES

On May 18, 2021, the properties were marked in the field with white paint. That same day, Underground Service Alert of Southern California (DigAlert) was notified of the intent to conduct subsurface investigations (providing at least two working days prior to initiation of intrusive field tasks as required). DigAlert issued AECOM ticket numbers A211380358-00A and A211380371-00A.

On May 24, 2021, geophysical surveys were performed by Ground Penetrating Radar Systems, LLC in the areas of proposed sample locations using an electromagnetic receiver (pipe and cable locator) and ground penetrating radar to help identify subsurface lines and other features/obstructions. No subsurface utilities or other anomalies were identified within the areas to be investigated.

4.3 SOIL SAMPLING

On May 24, 2021, soil sampling was performed by CoreProbe International, Inc. of San Gabriel, California. Borings B-1, B-4, B-5, and B-6 were completed using direct-push equipment (Geoprobe® Model 4220). Boring B-2 was completed using a hand auger. The sampling locations are shown on **Figure 4** (B-1 at 18358 Jurupa Avenue), **Figure 5** (B-2 at 11266 Linden Avenue), and **Figure 6** (B-4, B-5, and B-6 at 11146 Maple Avenue). The following table identifies the borings completed and depths below ground surface (bgs) from which samples were collected.

Boring ID	*Soil Sampling Depth (feet bgs)*
B-1	4, 6.5, 9
B-2	2.5, 5
B-4	0.5, 2.5, 5
B-5	0.5, 2.5, 5
B-6	0.5, 2.5, 5

Field work was conducted under the direction of a California Professional Geologist. With the exception of boring B-2, soil cores were retrieved intact for logging and sampling purposes. In boring B-2, soil was hand-augered and cuttings placed adjacent to the location for logging and sampling. The soil and/or cuttings were also screened using a field organic vapor analyzer (OVA) and classified according to the Unified Soil Classification System (USCS). The OVA readings were recorded and soil lithology documented on the boring logs prepared by the field staff. Final boring logs are included in **Appendix A**. Other relevant visual or olfactory observations were also documented on the boring logs. Groundwater was not encountered in any of the borings.

Soil sampling for chemical analysis was conducted at the depths listed above. For borings B-1, B-2, B-4, and B-5, no significant OVA readings were detected (above 50 parts per million) and no visual or olfactory evidence of impacts were identified, so only the soil sample collected at 2.5 feet bgs (6.5 bgs for boring B-1) was analyzed. For boring B-6, OVA readings were detected above 50 parts per million in the sample at 0.5 feet bgs, so all soil samples collected from that boring were analyzed. Soil samples that were not analyzed were temporarily placed on hold at the laboratory for future analysis, if required. Soil samples were analyzed for the following:

- Total petroleum hydrocarbons (TPH) as gasoline by EPA Method 8015B(M);
- TPH as diesel by EPA Method 8015B(M) with silica gel cleanup;
- TPH as motor oil by EPA Method 8015B(M);
- VOCs by EPA Method 8260B;
- OCPs by EPA Method 8081A; and
- RCRA Metals (arsenic, barium, cadmium, chromium, lead, selenium, silver and mercury) by EPA Method 6010B/7471A.

Offsite analysis of soil samples was performed by Eurofins Calscience, a California Environmental Laboratory Accreditation Program (ELAP) accredited analytical laboratory. Summaries of results are included in **Table 1** (TPH), **Table 2** (VOCs), **Table 3** (OCPs), and **Table 4** (Metals). The complete laboratory report and chain-of-custody record for all soil samples collected is included in **Appendix B**.

4.4 SOIL VAPOR PROBE INSTALLATION, SAMPLING, AND ABANDONMENT

Following completion of the soil borings to the target depth, temporary soil vapor probes were constructed at 5 feet bgs to evaluate if VOCs were present in those areas. The soil vapor probe locations are also shown on **Figure 4** (B-1 at 18358 Jurupa Avenue), **Figure 5** (B-2 at 11266 Linden Avenue), and **Figure 6** (B-4, B-5, and B-6 at 11146 Maple Avenue).

Soil vapor probe construction details are included in the boring logs completed at each location (**Appendix A**). Soil vapor probe installation and monitoring were conducted in general accordance with the joint DTSC/RWQCB *Advisory, Active Soil Gas Investigations* (DTSC and RWQCB, 2015). Because of the sandy nature of the formation and the temporary duration of the probes, granular bentonite was hydrated to provide a seal. All probes were placed at the desired depths inside tremie pipes to centralize the probes and ensure that they were placed at the proper depths. Sand, bentonite, and hydration water were also added to the borehole through tremie pipes. Tubing from the soil vapor probes was extended between 2 and 3 feet above ground surface and terminated with a 3-way valve to facilitate purging and sampling.

After installing the probes, adequate time was allowed for the subsurface to equilibrate back to representative conditions. Purging was completed using a pump set at approximately 200 cubic centimeters per minute (cc/min). A minimum of three purge volumes was used as recommended by the July 2015 DTSC/RWQCB guidance documents. Purge volume calculations are provided in **Appendix C**. Samples were collected using a Xitech Model 1060 1-Liter Bag Sampler. This sampler allows bag samples to be collected without having the sample vapor go through a pump.

Samples were transferred immediately to an opaque plastic bag and placed into a dry cooler. Offsite analysis of vapor samples for VOCs by EPA Method TO-15 was also performed by Eurofins Calscience. A summary of results for detected compounds is included in **Table 5**. The complete laboratory report and chain-of-custody record for all soil vapor samples collected is included in **Appendix D**.

After sample collection was completed at each location, the vapor probes were properly abandoned. Tubing was removed (pulled) from the subsurface and the tip left in the ground. Bentonite backfill remained in the borehole and the surface was restored (with concrete, if necessary) to match the surrounding area.

4.5 INVESTIGATION-DERIVED WASTE

Due to minimal observed impacts, soil cuttings were spread adjacent to each borehole (soil from boring B-1 was placed into the vehicle maintenance pit). New materials were used at each soil sampling location, so no equipment required decontamination. Used personal protective equipment (i.e., nitrile gloves) were placed into trash bags and taken offsite for regular disposal.

5.0 INVESTIGATION RESULTS

The following sections summarize results of the analytical data collected during the Limited Phase II ESA.

5.1 ANALYTICAL RESULTS FOR SOIL

5.1.1 TPH

Results for TPH are presented in **Table 1**. TPH (as gasoline, diesel, or oil) was not detected at or above laboratory reporting limits in any of the samples from borings B-1, B-2, B-4, and B-5.

In boring B-6, TPH (as gasoline) was detected at 0.82 milligrams per kilogram (mg/kg) at 0.5 foot bgs, but was non-detect at 2.5 and 5 feet bgs. TPH (as diesel) was detected at 3,000 mg/kg at 0.5 foot bgs and 6.3 mg/kg at 5 feet bgs, but was non-detect at 2.5 feet bgs. TPH (as oil) was detected at 5,700 mg/kg at 0.5 foot bgs, but was non-detect at 2.5 and 5 feet bgs.

The laboratory report containing the results for analysis of TPH in soil samples is included in **Appendix B**.

5.1.2 VOCs

Results for VOC are presented in **Table 2**. No VOCs were detected at or above laboratory reporting limits in the sample from boring B-1. For borings B-2, B-4, and B-5, acetone was the only compound detected at 11, 12, and 13 micrograms per kilogram (µg/kg), respectively.

In boring B-6, acetone was detected in all three samples (120 µg/kg at 0.5 feet bgs, 21 µg/kg at 2.5 feet bgs, and 17 µg/kg at 5 feet bgs). Five additional compounds were detected in the sample from 0.5 foot bgs. These included 1,2,4-trimethylbenzene (3.9 µg/kg), 1,3,5-trimethylbenzene (1.2 µg/kg), 2-butanone (18 µg/kg), n-butylbenzene (1.7 µg/kg), and o-xylene (0.66 µg/kg).

The laboratory report containing the results for analysis of VOCs in soil samples is included in **Appendix B**.

5.1.3 OCPs

Results for OCPs are presented in **Table 3**. No OCPs were detected at or above laboratory reporting limits in any of the samples from borings B-1, B-2, B-4, and B-5.

In boring B-6, dieldrin was detected at 20 µg/kg at 2.5 feet bgs, but was non-detect at 0.5 and 5 feet bgs.

The laboratory report containing the results for analysis of OCPs in soil samples is included in **Appendix B**.

5.1.4 Metals

All soil samples were analyzed for Resource Conservation and Recovery Act (RCRA) metals and results are presented in **Table 4**. These included arsenic, barium, cadmium, chromium, lead, selenium, silver, and mercury. Several of these metals occur naturally in soil. Barium and chromium were detected in all seven soil samples. Arsenic was detected in five of seven samples, while lead was detected in one of seven samples. Cadmium, selenium, silver, and mercury were not detected in any of the samples.

The laboratory report containing the results for analysis of metals in soil samples is included in **Appendix B**.

5.2 Analytical Results for Soil Vapor

Soil vapor samples from 5 feet bgs in each boring were analyzed for VOCs by EPA Method TO-15 and results are summarized in **Table 5**.

Acetone and chloromethane were detected at low levels in all five borings. Benzene was also detected at a low level in one of the borings (B-6 at 5 feet bgs).

The laboratory report containing the results for analysis of VOCs in soil vapor samples is included in **Appendix D**.

6.0 REGULATORY GUIDANCE AND SCREENING FOR CHEMICALS OF POTENTIAL CONCERN

Discussions of regulatory guidance and screening limits for chemicals of potential concern in soil and soil vapor are provided in this section. Investigation results were compared to ESLs, SSLs, RSLs, and ambient data. ESLs were developed by SFB-RWQCB to provide conservative screening levels for many compounds commonly found at sites with impacted soil and groundwater (SFB-RWQCB, 2021). ESLs are intended to help expedite the identification and evaluation of potential environmental concerns at impacted sites. SSLs were established by LA-RWQCB for TPH in soils above drinking water aquifers (LA-RWQCB, 1996). RSLs were developed by USEPA for contaminants in soil and may be used to identify areas needing further investigation (USEPA, 2021). For naturally-occurring metals, ambient data published by DTSC was used for screening (DTSC, 2020).

6.1 TPH IN SOIL

The analytical results for TPH are compared to both ESLs (Commercial / Industrial Shallow Soil) and SSLs in **Table 1**. Based on GeoTracker database information for other sites in Bloomington, the depth to groundwater in the regional aquifer is likely greater than 150 feet bgs. However, database information also indicates that perched groundwater may be present as shallow as 100 feet bgs. With the exception of the 0.5-foot sample from boring B-6, all samples were below the ESLs and the SSL for TPH in soils between 20 and 150 feet above groundwater. The diesel concentration in B-6 at 0.5 foot bgs was 3,000 mg/kg (approximately 3-times the screening levels), but the soil immediately below that (at 2.5 feet bgs) was non-detect (<4.9 mg/kg). This indicates localized, surficial impacts to only the top 1 to 2 feet of soil and does not appear to be indicative of potential significant environmental impacts to the property. This soil will likely require removal and offsite disposal prior to site redevelopment.

6.2 VOCS IN SOIL

The analytical results for VOCs are compared to both ESLs (Commercial / Industrial Shallow Soil) and RSLs (industrial soil) in **Table 2**. As shown in **Table 2**, the only VOCs detected were 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, acetone, n-butylbenzene, and o-xylene. These detections were compared to ESLs or RSLs, if no ESL was established. All detections were well below both screening criteria.

6.3 OCPS IN SOIL

The analytical results for OCPs are compared to ESLs (Commercial / Industrial Shallow Soil) in **Table 3**. As shown in **Table 3**, the only OCP detected was dieldrin at 20 µg/kg in boring B-6 at 2.5 feet bgs. This concentration is much less than the ESL. The sample collected immediately below this one was non-detect. As a result, it does not appear that dieldrin represents a substantial environmental threat to the property and planned development.

6.4 METALS IN SOIL

The analytical results for metals are compared to both ESLs (Commercial / Industrial Shallow Soil) and ambient data for southern California in **Table 4**. As shown in **Table 4**, of the four metals detected, only arsenic exceeded the ESL. Because arsenic is often found at naturally-occurring levels well above the ESL, it was compared to ambient data from the DTSC (DTSC, 2020). The average concentration detected during this investigation was 3.7 mg/kg. This value falls between the two data sets presented by DTSC (3.1 to 4.3 mg/kg). In addition, DTSC states that site-specific concentrations would likely need to exceed 12 mg/kg before they might be indicative of releases of arsenic. As such, the concentrations of arsenic found on the properties appear to be related to background or ambient conditions and do not represent a substantial environmental threat to the property and planned development.

6.5 VOCS IN SOIL VAPOR

The analytical results for VOCs in soil vapor are compared to ESLs (Tier 1 Subslab / Soil Gas) in **Table 5**. As shown in **Table 5**, acetone and chloromethane were detected in vapor from all five borings and benzene was also detected in vapor from one of the borings. All detections were below their respective ESLs and are not indicative of any significant impacts.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this limited investigation:

- There have been no significant impacts to soil from VOCs, OCPs, or metals on any of the properties;
- There appears to be a localized area of TPH (diesel and oil) impacts to shallow soils in the equipment repair area of 11146 Maple Avenue, possibly from vehicle maintenance and repairs; and
- A shallow (focused) excavation is recommended for remediation of TPH-impacted soils at 11146 Maple Avenue.

The maximum quantity of soil to be excavated is estimated to be approximately 80 cubic yards (120 tons) based on removal of an area 70 feet by 20 feet to a depth of 1.5 feet. Costs for excavation, transport and disposal of California hazardous soil, confirmatory sampling and analysis, backfill (if necessary), oversight, and reporting are estimated to be in the range of $40,000 to $60,000, depending on the effort involved with regulatory oversight. Once these remediation activities have been completed, the property would be ready for redevelopment.

8.0 REFERENCES

AECOM, 2021a. *Phase I Environmental Site Assessment of the Bloomington Business Park – Block 1 Properties, Bloomington, San Bernardino County, California*, Prepared for RG Bloomington LLC c/o Rockefeller Group Development Corporation, June 15.

AECOM, 2021b. *Phase I Environmental Site Assessment of the Bloomington Business Park – Block 2 Properties, Bloomington, San Bernardino County, California*, Prepared for RG Bloomington LLC c/o Rockefeller Group Development Corporation, June 15.

DTSC (Department of Toxic Substances Control) and RWQCB (Regional Water Quality Control Board), 2015. *Advisory, Active Soil Gas Investigations*, July.

DTSC, 2020. *Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level*, California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO), December 28.

Kennedy/Jenks (Kennedy/Jenks Consultants, Inc.), 2020. *Revised Phase I Environmental Site Assessment, Howard Industrial Partners, Bloomington, California*, Prepared for Howard Industrial Partners, October 8.

LA-RWQCB (Los Angeles – Regional Water Quality Control Board), 1996. *Interim Site Assessment & Cleanup Guidebook*, California Regional Water Quality Control Board, Los Angeles and Ventura Counties, Region 4, May.

SFB-RWQCB (San Francisco Bay – Regional Water Quality Control Board), 2019. *Environmental Screening Levels, Jan. 2019 (Rev. 2)*, January.

USEPA (United States Environmental Protection Agency), 2021. *Regional Screening Levels,* https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables, May.

TABLE 1
ANALYTICAL RESULTS FOR SOIL - TOTAL PETROLEUM HYDROCARBONS
Proposed Bloomington Business Park
Bloomington, California

Boring ID	Sample ID	Sample Date	Sample Depth (feet)	Total Petroleum Hydrocarbon Range		
				Gasoline (mg/kg)	Diesel (mg/kg)	Oil (mg/kg)
B-1	B-1 (4')	5/24/2021	4.0	---	---	---
	B-1 (6.5')	5/24/2021	6.5	ND (<0.046)	ND (<5.0)	ND (<25)
	B-1 (9')	5/24/2021	9.0	---	---	---
B-2	B-2 (2.5')	5/24/2021	2.5	ND (<0.047)	ND (<5.0)	ND (<25)
	B-2 (5')	5/24/2021	5.0	---	---	---
B-4	B-4 (0.5')	5/24/2021	0.5	---	---	---
	B-4 (2.5')	5/24/2021	2.5	ND (<0.047)	ND (<5.0)	ND (<25)
	B-4 (5')	5/24/2021	5.0	---	---	---
B-5	B-5 (0.5')	5/24/2021	0.5	---	---	---
	B-5 (2.5')	5/24/2021	2.5	ND (<0.046)	ND (<5.0)	ND (<25)
	B-5 (5')	5/24/2021	5.0	---	---	---
B-6	B-6 (0.5')	5/24/2021	0.5	**0.82**	**3,000**	**5,700**
	B-6 (2.5')	5/24/2021	2.5	ND (<0.046)	ND (<4.9)	ND (<25)
	B-6 (5')	5/24/2021	5.0	ND (<0.050)	**6.3**	ND (<25)
Commercial / Industrial Shallow Soil ESL				***2,000***	***1,200***	***180,000***
Maximum SSL (20-150 Feet Above Groundwater)				***500***	***1,000***	***10,000***
Maximum SSL (>150 Feet Above Groundwater)				***1,000***	***10,000***	***50,000***

mg/kg = milligrams per kilogram

--- = Sample not analyzed for this compound

ND = analyte not detected at the reporting limit indicated

ESL = Environmental Screening Level (2019 Rev. 2); San Francisco Bay Regional Water Quality Control Board

SSL = Soil Screening Level (May 1996); Los Angeles Regional Water Quality Control Board, Table 4-1

TABLE 2
ANALYTICAL RESULTS FOR SOIL - VOLATILE ORGANIC COMPOUNDS
Proposed Bloomington Business Park
Bloomington, California

Boring ID	Sample ID	Sample Date	Sample Depth (feet)	Volatile Organic Compound (VOC)					
				1,2,4-TMB (µg/kg)	1,3,5-TMB (µg/kg)	2-Butanone (µg/kg)	Acetone (µg/kg)	n-Butylbenzene (µg/kg)	o-Xylene (µg/kg)
B-1	B-1 (4')	5/24/2021	4.0	---	---	---	---	---	---
	B-1 (6.5')	5/24/2021	6.5	ND (<0.88)	ND (<0.88)	ND (<8.8)	ND (<8.8)	ND (<0.44)	ND (<0.44)
	B-1 (9')	5/24/2021	9.0	---	---	---	---	---	---
B-2	B-2 (2.5')	5/24/2021	2.5	ND (<1.1)	ND (<1.1)	ND (<11)	**11**	ND (<0.55)	ND (<0.55)
	B-2 (5')	5/24/2021	5.0	---	---	---	---	---	---
B-4	B-4 (0.5')	5/24/2021	0.5	---	---	---	---	---	---
	B-4 (2.5')	5/24/2021	2.5	ND (<0.98)	ND (<0.98)	ND (<9.8)	**12**	ND (<0.49)	ND (<0.49)
	B-4 (5')	5/24/2021	5.0	---	---	---	---	---	---
B-5	B-5 (0.5')	5/24/2021	0.5	---	---	---	---	---	---
	B-5 (2.5')	5/24/2021	2.5	ND (<0.98)	ND (<0.98)	ND (<9.8)	**13**	ND (<0.49)	ND (<0.49)
	B-5 (5')	5/24/2021	5.0	---	---	---	---	---	---
B-6	B-6 (0.5')	5/24/2021	0.5	**3.9**	**1.2**	**18**	**120 E**	**1.7**	**0.66**
	B-6 (2.5')	5/24/2021	2.5	ND (<0.90)	ND (<0.90)	ND (<9.0)	**21**	ND (<0.45)	ND (<0.45)
	B-6 (5')	5/24/2021	5.0	ND (<0.99)	ND (<0.99)	ND (<9.9)	**17**	ND (<0.50)	ND (<0.50)
	Commercial / Industrial Shallow Soil ESL			***Not Established***	***Not Established***	***200,000,000***	***670,000,000***	***Not Established***	***2,500,000***
	Industrial Soil RSL			***1,800,000***	***1,500,000***	***190,000,000***	***670,000,000***	***58,000,000***	***2,800,000***

1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
µg/kg = micrograms per kilogram
--- = Sample not analyzed for this compound
ND = analyte not detected at the reporting limit indicated
E = estimated (see laboratory report for details)
ESL = Environmental Screening Level (2019 Rev. 2); San Francisco Bay Regional Water Quality Control Board
RSL = Regional Screening Level (May 2021); United States Environmental Protection Agency

NOTE:
Only compounds detected are included in this table.

TABLE 3
ANALYTICAL RESULTS FOR SOIL - ORGANOCHLORINE PESTICIDES
Proposed Bloomington Business Park
Bloomington, California

Boring ID	Sample ID	Sample Date	Sample Depth (feet)	Dieldrin (µg/kg)
B-1	B-1 (4')	5/24/2021	4.0	---
	B-1 (6.5')	5/24/2021	6.5	ND (<5.0)
	B-1 (9')	5/24/2021	9.0	---
B-2	B-2 (2.5')	5/24/2021	2.5	ND (<4.9)
	B-2 (5')	5/24/2021	5.0	---
B-4	B-4 (0.5')	5/24/2021	0.5	---
	B-4 (2.5')	5/24/2021	2.5	ND (<5.0)
	B-4 (5')	5/24/2021	5.0	---
B-5	B-5 (0.5')	5/24/2021	0.5	---
	B-5 (2.5')	5/24/2021	2.5	ND (<5.0)
	B-5 (5')	5/24/2021	5.0	---
B-6	B-6 (0.5')	5/24/2021	0.5	ND (<50)
	B-6 (2.5')	5/24/2021	2.5	**20**
	B-6 (5')	5/24/2021	5.0	ND (<5.0)
	Commercial / Industrial Shallow Soil ESL			***160***

µg/kg = micrograms per kilogram
--- = Sample not analyzed for this compound
ND = analyte not detected at the reporting limit indicated
ESL = Environmental Screening Level (2019 Rev. 2); San Francisco Bay Regional Water Quality Control Board

NOTE:
Only compounds detected are included in this table.

TABLE 4

ANALYTICAL RESULTS FOR SOIL - METALS

Proposed Bloomington Business Park

Bloomington, California

Boring ID	Sample ID	Sample Date	Sample Depth (feet)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Mercury (mg/kg)
B-1	B-1 (4')	5/24/2021	4.0	---	---	---	---	---	---	---	---
	B-1 (6.5')	5/24/2021	6.5	**3.42**	**48.9**	ND (<0.503)	**15.7**	ND (<5.03)	ND (<5.03)	ND (<1.01)	ND (<0.0820)
	B-1 (9')	5/24/2021	9.0	---	---	---	---	---	---	---	---
B-2	B-2 (2.5')	5/24/2021	2.5	**4.09**	**44.9**	ND (<0.513)	**14.4**	ND (<5.13)	ND (<5.13)	ND (<1.03)	ND (<0.0833)
	B-2 (5')	5/24/2021	5.0	---	---	---	---	---	---	---	---
B-4	B-4 (0.5')	5/24/2021	0.5	---	---	---	---	---	---	---	---
	B-4 (2.5')	5/24/2021	2.5	ND (<2.51)	**33.0**	ND (<0.503)	**12.9**	ND (<5.03)	ND (<5.03)	ND (<1.01)	ND (<0.0847)
	B-4 (5')	5/24/2021	5.0	---	---	---	---	---	---	---	---
B-5	B-5 (0.5')	5/24/2021	0.5	---	---	---	---	---	---	---	---
	B-5 (2.5')	5/24/2021	2.5	**3.35**	**38.3**	ND (<0.524)	**15.9**	ND (<5.24)	ND (<5.24)	ND (<1.05)	ND (<0.0877)
	B-5 (5')	5/24/2021	5.0	---	---	---	---	---	---	---	---
B-6	B-6 (0.5')	5/24/2021	0.5	ND (<2.63)	**70.0**	ND (<0.526)	**20.3**	**11.3**	ND (<5.26)	ND (<1.05)	ND (<0.0820)
	B-6 (2.5')	5/24/2021	2.5	**3.14**	**39.1**	ND (<0.505)	**10.6**	ND (<5.05)	ND (<5.05)	ND (<1.01)	ND (<0.0833)
	B-6 (5')	5/24/2021	5.0	**4.43**	**43.5**	ND (<0.493)	**11.9**	ND (<4.93)	ND (<4.93)	ND (<0.985)	ND (<0.0847)
Commercial / Industrial Shallow Soil ESL (See Note 1)				***0.31***	***220,000***	***1,100***	***160***	***320***	***5,800***	***5,800***	***190***
Ambient Data - California (DTSC, See Note 2)				***3.1***							
Ambient Data - California (DTSC, See Note 3)				***4.3***							

mg/kg = milligrams per kilogram

--- = Sample not analyzed for this compound

ND = analyte not detected at the reporting limit indicated

ESL = Environmental Screening Level (2019 Rev. 2); San Francisco Bay Regional Water Quality Control Board

DTSC = Department of Toxic Substances Control

NOTES:

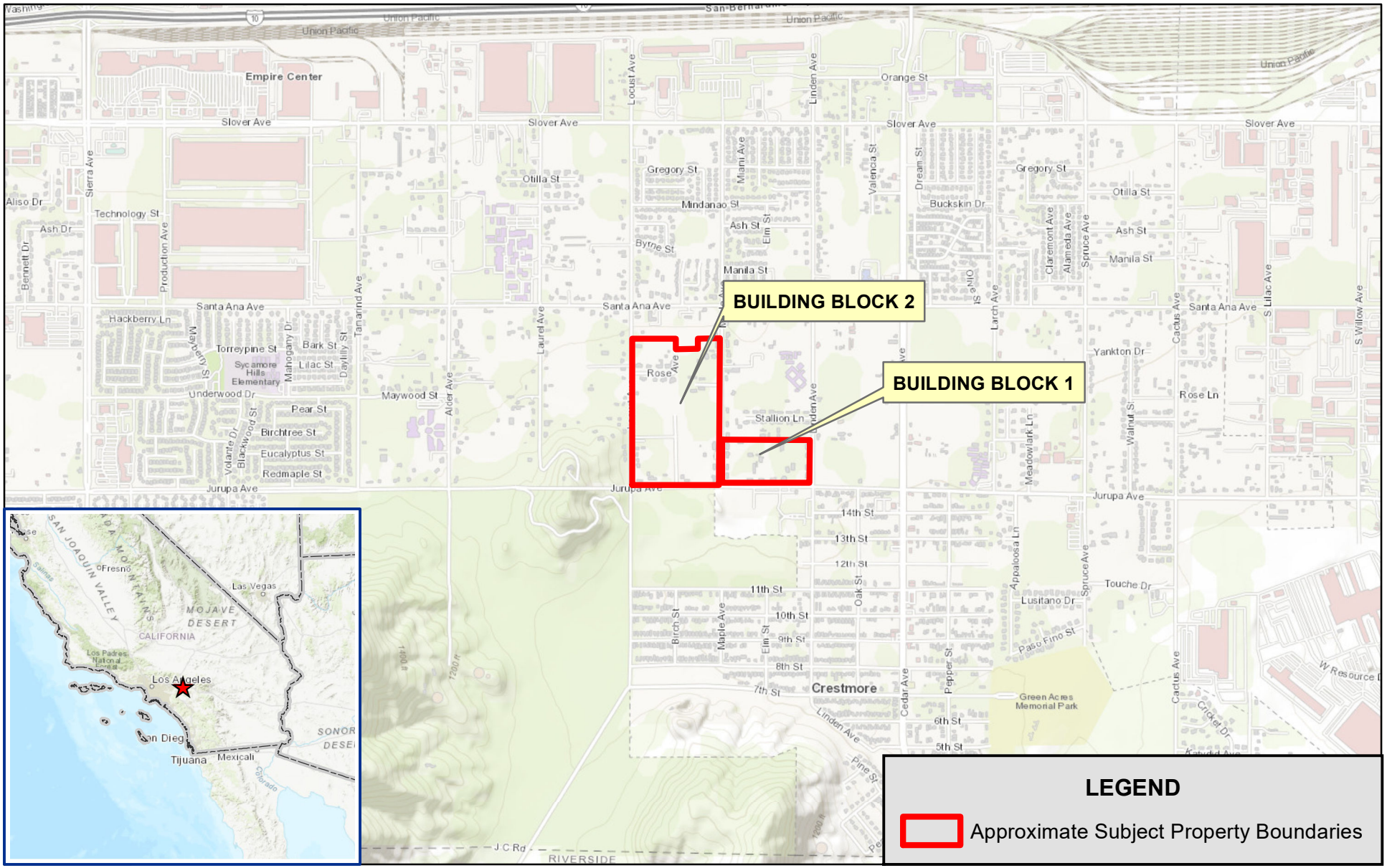
1. There is no Commercial / Industrial Shallow Soil ESL for total Chromium; therefore, the Tier 1 ESL was used (analytical results are for total Chromium).
2. DTSC Human Health Risk Asessment Note Number 11; Release Date: December 28, 2020; Combined Southern California County Data Set
3. DTSC Human Health Risk Asessment Note Number 11; Release Date: December 28, 2020; Southern California County Data Set (Excluding LAUSD)

TABLE 5
ANALYTICAL RESULTS FOR SOIL VAPOR - VOCs
Proposed Bloomington Business Park
Bloomington, California

Boring ID	Sample ID	Sample Date	Sample Depth (feet)	Acetone ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Chloromethane ($\mu g/m^3$)
B-1	SB-1	5/24/2021	5.0	**31**	ND (<1.6)	**1.1**
B-2	SB-2	5/24/2021	5.0	**27**	ND (<1.6)	**1.1**
B-4	SB-4	5/24/2021	5.0	**29**	ND (<1.6)	**1.2**
B-5	SB-5	5/24/2021	5.0	**37**	ND (<1.6)	**1.2**
B-6	SB-6	5/24/2021	5.0	**38**	**1.6**	**1.2**
		Tier 1 Subslab / Soil Gas ESL		***1,000,000***	***3.2***	***3,100***

$\mu g/m^3$ = micrograms per cubic meter
ND = analyte not detected at the reporting limit indicated
ESL = Environmental Screening Level (2019 Rev. 2); San Francisco Bay Regional Water Quality Control Board

NOTE:
Only compounds detected are included in this table.



Source: USGSTopo

FIGURE 1
SITE LOCATION MAP

1,000 0 1,000 Feet

Scale: 1:24,000 1 in = 2,000 feet

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA
BLOOMINGTON, CALIFORNIA 92316

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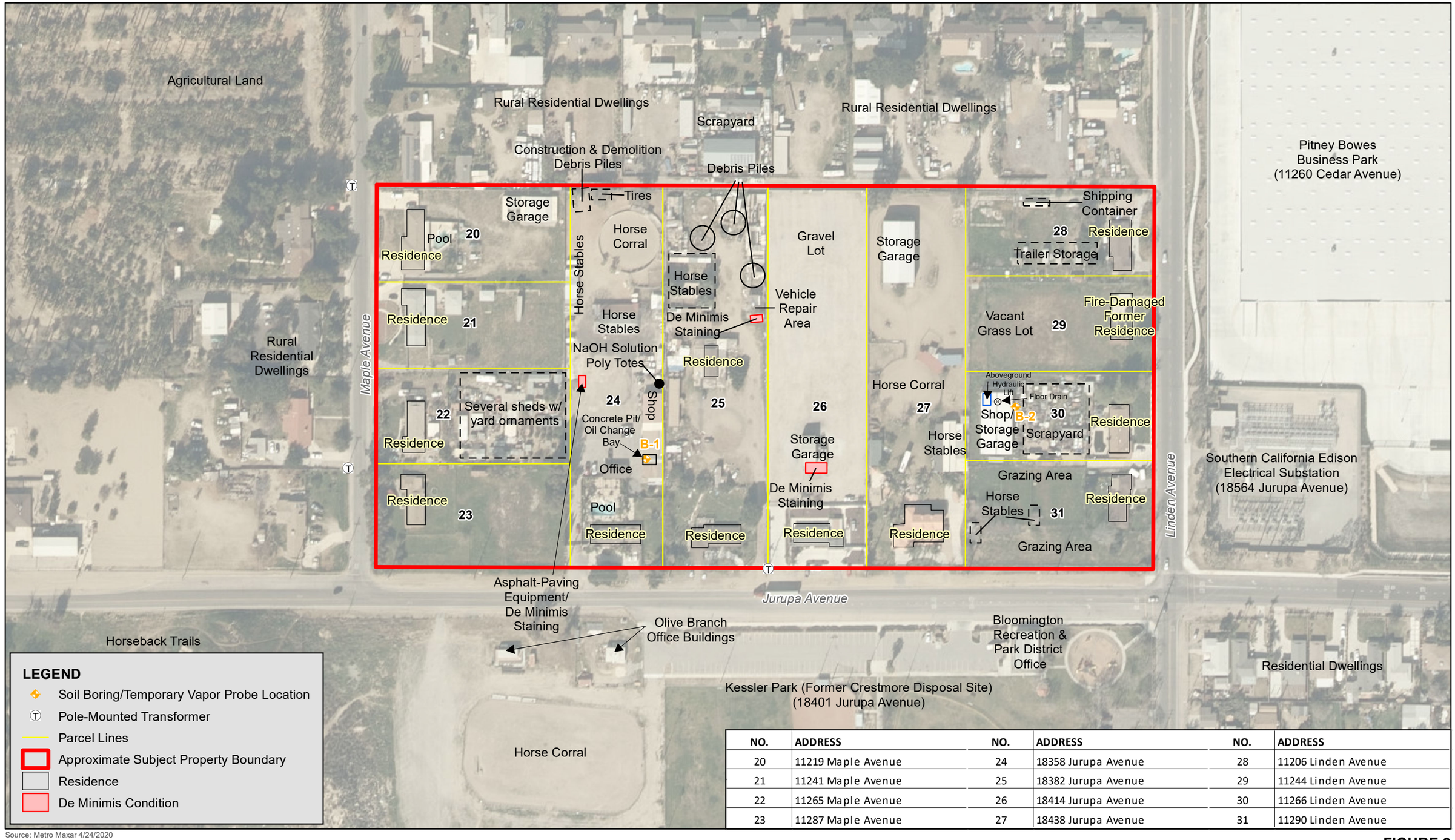
DATE: 6/16/2021



NO.	ADDRESS	NO.	ADDRESS	NO.	ADDRESS
20	11219 Maple Avenue	24	18358 Jurupa Avenue	28	11206 Linden Avenue
21	11241 Maple Avenue	25	18382 Jurupa Avenue	29	11244 Linden Avenue
22	11265 Maple Avenue	26	18414 Jurupa Avenue	30	11266 Linden Avenue
23	11287 Maple Avenue	27	18438 Jurupa Avenue	31	11290 Linden Avenue

Source: Metro Maxar 4/24/2020

100 0 100 Feet

Scale: 1:1,800 1 in = 150 feet

FIGURE 2

SITE PLAN - BLOCK 1 PROPERTIES

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA

BLOOMINGTON, CALIFORNIA 92316

DATE: 6/16/2021

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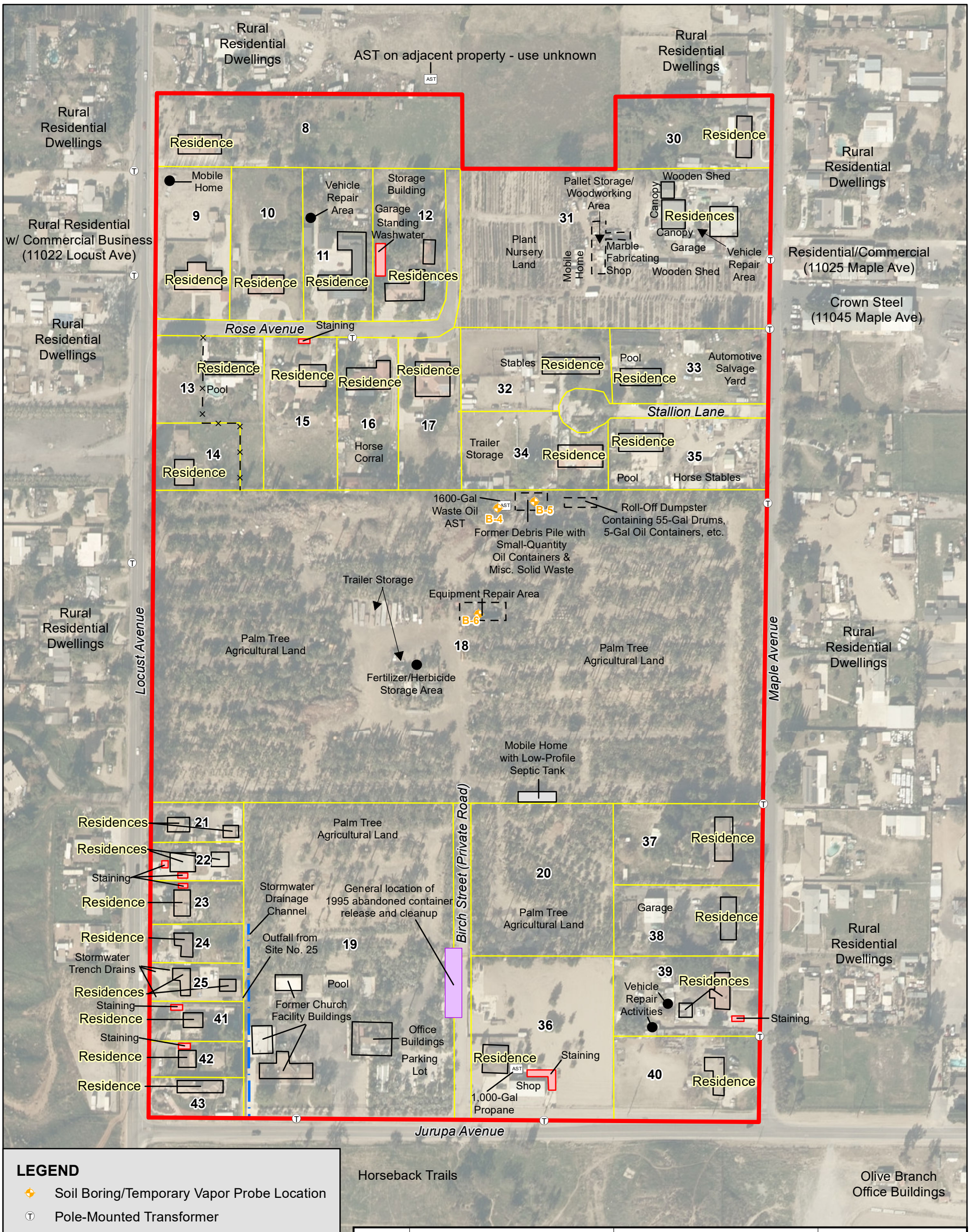

LEGEND

- Soil Boring/Temporary Vapor Probe Location
- Pole-Mounted Transformer
- AST
- Chain-Link Fencing
- Parcel Lines
- Stormwater Drainage Channel
- Approximate Subject Property Boundary
- Residence
- De Minimis Condition
- Previous Release/Cleanup Location

SITE NO.	ADDRESS	SITE NO.	ADDRESS	SITE NO.	ADDRESS
8	10991 Locust Avenue	19	18136 Jurupa Avenue	34	18233 Stallion Lane
9	18110 Rose Avenue	20	No Address	35	18277 Stallion Lane
10	18138 Rose Avenue	21	11201 Locust Avenue	36	18212 Jurupa Avenue
11	18166 Rose Avenue	22	11215 Locust Avenue	37	11246 Maple Avenue
12	18180 Rose Avenue	23	11227 Locust Avenue	38	11250 Maple Avenue
13	18121 Rose Avenue	24	11239 Locust Avenue	39	11266 Maple Avenue
14	11095 Locust Avenue	25	11255 Locust Avenue	40	11286 Maple Avenue
15	18143 Rose Avenue	30	10988 Maple Avenue	41	11279 Locust Avenue
16	18177 Rose Avenue	31	11016 Maple Avenue	42	11283 Locust Avenue
17	18181 Rose Avenue	32	18232 Stallion Lane	43	11289 Locust Avenue
18	11146 Maple Avenue	33	18278 Stallion Lane		

Source: Metro Maxar 4/24/2020

200 0 200 Feet

Scale: 1:2,400 1 in = 200 feet

AECOM

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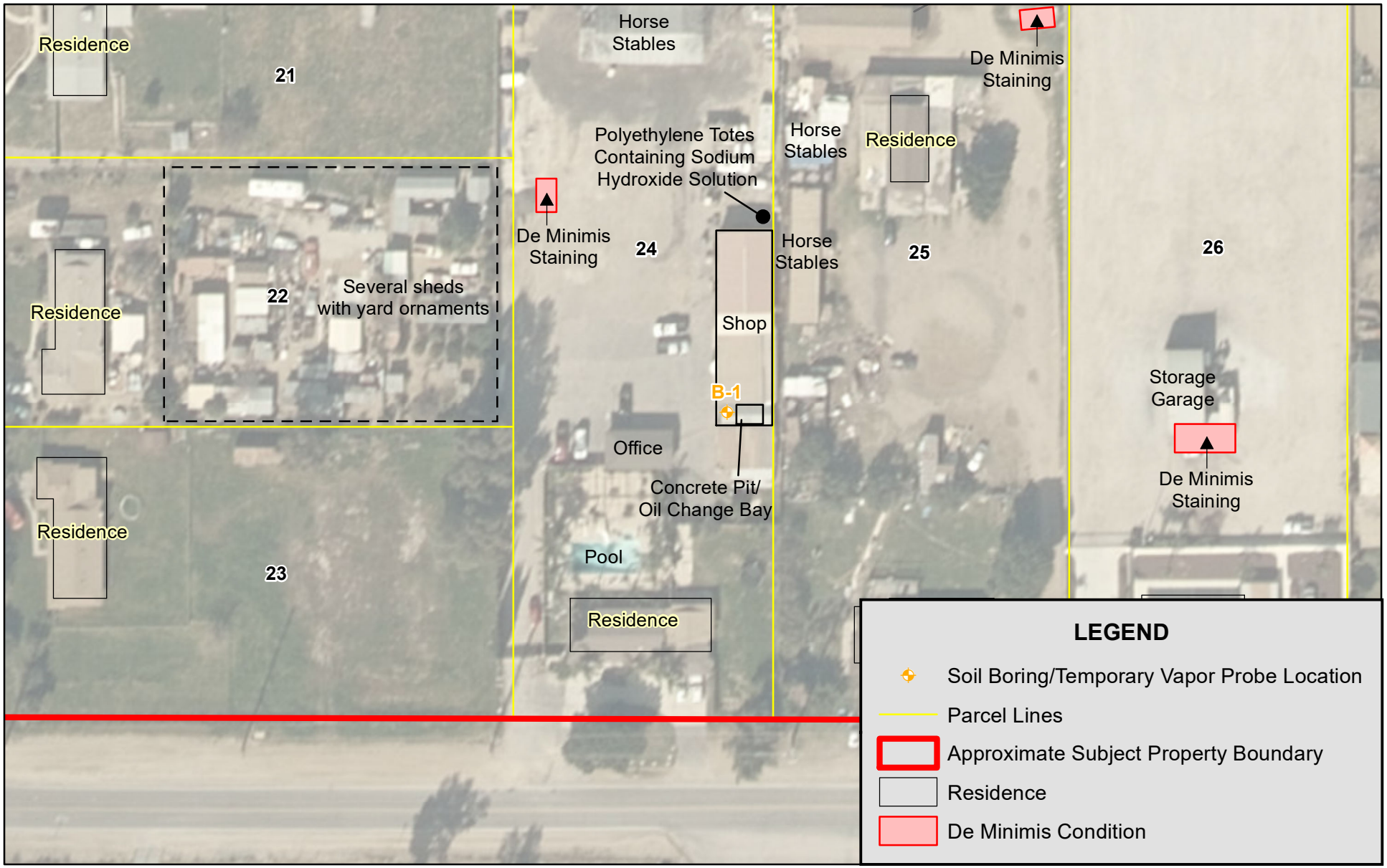
FIGURE 3

SITE PLAN - BLOCK 2 PROPERTIES

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA

BLOOMINGTON, CALIFORNIA 92316

DATE: 6/16/2021



Source: Metro Maxar 4/24/2020

80 0 80 Feet

Scale: 1:960 1 in = 80 feet

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AECOM

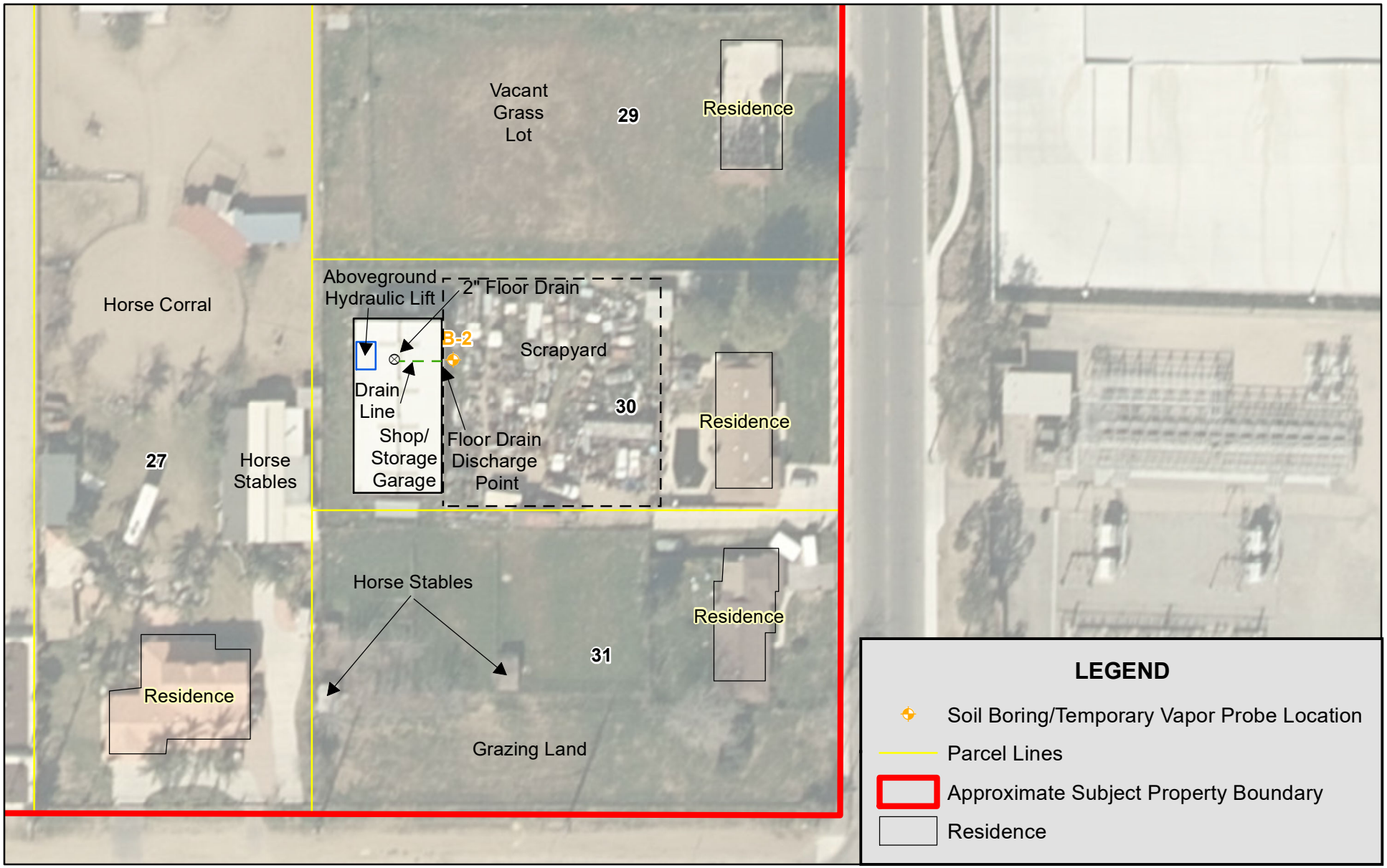
FIGURE 4

SAMPLE LOCATION - 18358 JURUPA AVENUE

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA

BLOOMINGTON, CALIFORNIA 92316

DATE: 6/16/2021



Source: Metro Maxar 4/24/2020

80 0 80 Feet

Scale: 1:960 1 in = 80 feet

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AECOM

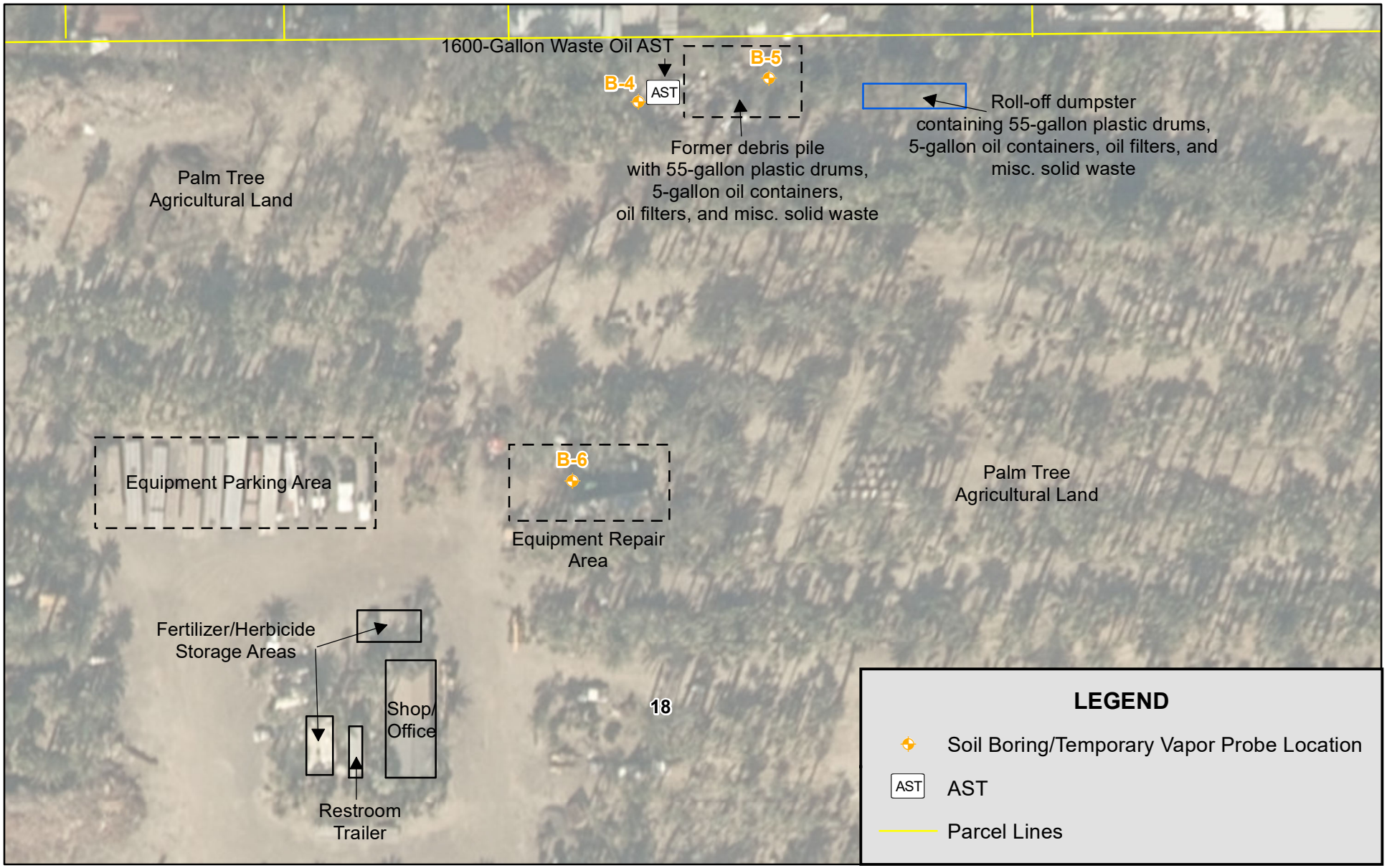
FIGURE 5

SAMPLE LOCATION - 11266 LINDEN AVENUE

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA

BLOOMINGTON, CALIFORNIA 92316

DATE: 6/16/2021



Source: Metro Maxar 4/24/2020

FIGURE 6

SAMPLE LOCATIONS - 11146 MAPLE AVENUE

BLOOMINGTON BUSINESS PARK - LIMITED PHASE II ESA

BLOOMINGTON, CALIFORNIA 92316

80 0 80 Feet

Scale: 1:960 1 in = 80 feet

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DATE: 6/16/2021

AECOM

APPENDIX A

SOIL BORING LOGS

Project: Rockefeller Group
Project Location: Bloomington, CA
Project Number: 60659871

Log of Boring B-1

Sheet 1 of 1

Date(s) Drilled	**5/24/2021**	Logged By	**KWT**	Checked By	**B. Stempson PG**
Drilling Method	**Direct Push**	Drilling Contractor	**Coreprobe International Inc.**	Total Depth of Borehole (ft.bgs)	**9.0**
Drill Rig Type	**Geoprobe Model 4220**	Sampler Type	**Macrocrore/ Acetate Sleeve**	Approx.Surface Elevation (ft.msl)	**1020.00**
Approx. Depth in Groundwater (ft.bgs)	**126 to 196 feet bgs.**	Drill Bit Size (in.)	**2"**	Top of Casing Elevation (ft.)	**NA**
Borehole Diameter (in.) **2"** Diameter of Well (in.) **0.25"**		Type of Well Casing	**NA**	Screen Perforation	**1" Length Vapor Probe**
Type of Sand Pack	**#2/12 NSF/ANSI 4-5.5' bgs.**	Type and Depth of Seal(s)	**Granular Bentonite to 0-4' bgs. Granular Bentonite 5.5-9 'bgs.**		
Comments	**Near Concrete Pit/ Oil Change Bay. Installed Temporary Soil Vapor Probe at 5' bgs.**				

Depth, feet	SAMPLES: Type	SAMPLES: Number	SAMPLES: Blows/Foot	SAMPLES: Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	OVA Headspace (ppm)		Sample Time	REMARKS
0				29/48		3 inches of Concrete 5/2" Brown fine sand with some fine to medium gravel; slightly moist; no odor		4.6			
		B-1(4')		42/60				4.7		1545	Hold Sample
5		B-1(6.5')						5.4		1555	Test Sample
		B-1(9')						6.9		1605	Hold Sample
						Boring complete at 9 ft bgs.					
10											
15											
20											
25											
30											

AECOM

Report: ENV_23AW_SNA; File: BLOOMINGTON ROCKEFELLER LOGS.GPJ; 6/7/21

Project: Rockefeller Group
Project Location: Bloomington, CA
Project Number: 60659871

Log of Boring B-2

Sheet 1 of 1

Date(s) Drilled	**5/24/2021**	Logged By	**KWT**	Checked By	**B. Stempson PG**
Drilling Method	**Direct Push**	Drilling Contractor	**Coreprobe International Inc.**	Total Depth of Borehole (ft.bgs)	**5.0**
Drill Rig Type	**Geoprobe Model 4220**	Sampler Type	**Macrocrore/ Acetate Sleeve**	Approx.Surface Elevation (ft.msl)	**1020.00**
Approx. Depth in Groundwater (ft.bgs)	**126 to 196 feet bgs.**	Drill Bit Size (in.)	**2"**	Top of Casing Elevation (ft.)	**NA**
Borehole Diameter (in.) **2"** / Diameter of Well (in.)	**0.25"**	Type of Well Casing	**NA**	Screen Perforation	**1" Length Vapor Probe**
Type of Sand Pack	**#2/12 NSF/ANSI 4-5' bgs.**	Type and Depth of Seal(s)	**Granular Bentonite to 0-4' bgs.**		
Comments	**Near Floor Drain Discharge Point. Installed Temporary Soil Vapor Probe at 5' bgs.**				

Depth, feet	SAMPLES: Type	SAMPLES: Number	SAMPLES: Blows/Foot	SAMPLES: Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	OVA Headspace (ppm)		Sample Time	REMARKS
0						Tenant had already dug down 1' bgs.					
				48/48		5/2" Brown fine sand with some fine to medium gravel; dry; no odors					
		B-2(2.5')						2.1		1430	Test Sample
5		B-2(5')						3.2		1435	Hold Sample
						Boring complete at 5 ft bgs.					
10											
15											
20											
25											
30											

AECOM

Report: ENV_23AW_SNA; File: BLOOMINGTON ROCKEFELLER LOGS.GPJ; 6/7/21

Project: Rockefeller Group
Project Location: Bloomington, CA
Project Number: 60659871

Log of Boring B-4

Sheet 1 of 1

Date(s) Drilled	**5/24/2021**	Logged By	**KWT**	Checked By	**B. Stempson PG**
Drilling Method	**Direct Push**	Drilling Contractor	**Coreprobe International Inc.**	Total Depth of Borehole (ft.bgs)	**5.0**
Drill Rig Type	**Geoprobe Model 4220**	Sampler Type	**Macrocrore/ Acetate Sleeve**	Approx.Surface Elevation (ft.msl)	**1030.00**
Approx. Depth in Groundwater (ft.bgs)	**126 to 196 feet bgs.**	Drill Bit Size (in.)	**2"**	Top of Casing Elevation (ft.)	**NA**
Borehole Diameter (in.) **2"** / Diameter of Well (in.)	**0.25"**	Type of Well Casing	**NA**	Screen Perforation	**1" Length Vapor Probe**
Type of Sand Pack	**#2/12 NSF/ANSI 4-5' bgs.**	Type and Depth of Seal(s)	**Granular Bentonite to 0-4' bgs.**		
Comments	**Near AST. Installed Temporary Soil Vapor Probe at 5' bgs.**				

Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/Foot	SAMPLES Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	OVA Headspace (ppm)		Sample Time	REMARKS
0		B-4(0.5')		43/60		5/2" Brown fine sand with some fine to medium grained gravel; dry; no odor		7.9		1135	Hold Sample
		B-4(2.5')				Large gravel encountered at 27 inches bgs.		13.9		1125	Test Sample
5		B-4(5')				Boring complete at 5 ft bgs.		19.2		1115	Hold Sample
10											
15											
20											
25											
30											

AECOM

Report: ENV_23AW_SNA; File: BLOOMINGTON ROCKEFELLER LOGS.GPJ; 6/7/21

Project: Rockefeller Group
Project Location: Bloomington, CA
Project Number: 60659871

Log of Boring B-5

Sheet 1 of 1

Date(s) Drilled	**5/24/2021**	Logged By	**KWT**	Checked By	**B. Stempson PG**
Drilling Method	**Direct Push**	Drilling Contractor	**Coreprobe International Inc.**	Total Depth of Borehole (ft.bgs)	**5.0**
Drill Rig Type	**Geoprobe Model 4220**	Sampler Type	**Macrocrore/ Acetate Sleeve**	Approx.Surface Elevation (ft.msl)	**1030.00**
Approx. Depth in Groundwater (ft.bgs)	**126 to 196 feet bgs.**	Drill Bit Size (in.)	**2"**	Top of Casing Elevation (ft.)	**NA**
Borehole Diameter (in.) **2"** / Diameter of Well (in.)	**0.25"**	Type of Well Casing	**NA**	Screen Perforation	**1" Length Vapor Probe**
Type of Sand Pack	**#2/12 NSF/ANSI 4-5' bgs.**	Type and Depth of Seal(s)	**Granular Bentonite to 0-4' bgs.**		
Comments	**Near Former Debris Pile. Installed Temporary Soil Vapor Probe at 5' bgs.**				

Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/Foot	SAMPLES Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	OVA Headspace (ppm)		Sample Time	REMARKS
0		B-5(0.5')		43/60		5/2" Brown fine sand with some fine gravel; dry; no odor		6.1		1220	Hold Sample
		B-5(2.5')						4.4		1210	Test Sample
5		B-5(5')				5/1" Gray, medium to large gravel with some fine sand; gray; no odor		5.8		1200	Hold Sample
						Boring complete at 5 ft bgs.					
10											
15											
20											
25											
30											

AECOM

Report: ENV_23AW_SNA; File: BLOOMINGTON ROCKEFELLER LOGS.GPJ; 6/7/21

Project: Rockefeller Group
Project Location: Bloomington, CA
Project Number: 60659871

Log of Boring B-6

Sheet 1 of 1

Date(s) Drilled	**5/24/2021**	Logged By	**KWT**	Checked By	**B. Stempson PG**
Drilling Method	**Direct Push**	Drilling Contractor	**Coreprobe International Inc.**	Total Depth of Borehole (ft.bgs)	**5.0**
Drill Rig Type	**Geoprobe Model 4220**	Sampler Type	**Macrocrore/ Acetate Sleeve**	Approx.Surface Elevation (ft.msl)	**1040.00**
Approx. Depth in Groundwater (ft.bgs)	**126 to 196 feet bgs.**	Drill Bit Size (in.)	**2"**	Top of Casing Elevation (ft.)	**NA**
Borehole Diameter (in.) **2"** Diameter of Well (in.) **0.25"**		Type of Well Casing	**NA**	Screen Perforation	**1" Length Vapor Probe**
Type of Sand Pack	**#2/12 NSF/ANSI 4-5' bgs.**	Type and Depth of Seal(s)	**Granular Bentonite to 0-4' bgs.**		
Comments	**Near Vehicle Repair Area. Installed Temporary Soil Vapor Probe at 5' bgs.**				

Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/Foot	SAMPLES Inches Recovered	Graphic Log	MATERIAL DESCRIPTION	Well Completion Log	OVA Headspace (ppm)		Sample Time	REMARKS
0		B-6(0.5')		44.5/60		4 inches of asphalt		57.8		1320	Test Sample
						4/1" Dark Gray, fine sand with some fine to medium gravel; slight oily odor to 1 foot bgs.					
		B-6(2.5')				5/2" Brown, no odor		10.9		1310	Test Sample
5		B-6(5')						9.8		1300	Test Sample
						Boring complete at 5 ft bgs.					
10											
15											
20											
25											
30											

AECOM

Report: ENV_23AW_SNA; File: BLOOMINGTON ROCKEFELLER LOGS.GPJ; 6/7/21

APPENDIX B

LABORATORY REPORT AND CHAIN-OF-CUSTODY RECORD FOR SOIL SAMPLES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-59980-1
Client Project/Site: Bloomington Limited Phase II ESA / 60659871.01

For:
AECOM
999 W. Town & Country Road
Orange, California 92868

Attn: Gary Hann

Vik Patel

Authorized for release by:
5/26/2021 3:28:13 PM

Vikas Patel, Project Manager I
(714)895-5494
vikas.patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Job ID: 570-59980-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-59980-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2021 5:57 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-152750.

Method 8260B: The following sample was analyzed via a low-level analysis and a high-level (i.e., methanol extract) analysis. The low-level analysis resulted in a value for Acetone above the upper calibration range. The high-level analysis resulted in a non-detect for this analyte in the lowest possible dilution utilized. The results from the low-level analysis are provided and have been flagged as estimated. B-6 (0.5') (570-59980-12)

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

GC VOA
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 152806.

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

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

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

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

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

Detection Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: B-1 (6.5') — Lab Sample ID: 570-59980-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.42		2.51		mg/Kg	1		6010B	Total/NA
Barium	48.9		0.503		mg/Kg	1		6010B	Total/NA
Chromium	15.7		1.01		mg/Kg	1		6010B	Total/NA

Client Sample ID: B-2 (2.5') — Lab Sample ID: 570-59980-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	11		11		ug/Kg	1		8260B	Total/NA
Arsenic	4.09		2.56		mg/Kg	1		6010B	Total/NA
Barium	44.9		0.513		mg/Kg	1		6010B	Total/NA
Chromium	14.4		1.03		mg/Kg	1		6010B	Total/NA

Client Sample ID: B-4 (2.5') — Lab Sample ID: 570-59980-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	12		9.8		ug/Kg	1		8260B	Total/NA
Barium	33.0		0.503		mg/Kg	1		6010B	Total/NA
Chromium	12.9		1.01		mg/Kg	1		6010B	Total/NA

Client Sample ID: B-5 (2.5') — Lab Sample ID: 570-59980-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	13		9.8		ug/Kg	1		8260B	Total/NA
Arsenic	3.35		2.62		mg/Kg	1		6010B	Total/NA
Barium	38.3		0.524		mg/Kg	1		6010B	Total/NA
Chromium	15.9		1.05		mg/Kg	1		6010B	Total/NA

Client Sample ID: B-6 (0.5') — Lab Sample ID: 570-59980-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.9		1.1		ug/Kg	1		8260B	Total/NA
1,3,5-Trimethylbenzene	1.2		1.1		ug/Kg	1		8260B	Total/NA
2-Butanone	18		11		ug/Kg	1		8260B	Total/NA
Acetone	120	E	11		ug/Kg	1		8260B	Total/NA
n-Butylbenzene	1.7		0.54		ug/Kg	1		8260B	Total/NA
o-Xylene	0.66		0.54		ug/Kg	1		8260B	Total/NA
TPH as Gasoline (C4-C12)	0.82		0.056		mg/Kg	1		8015B	Total/NA
TPH as Diesel (C10-C28)	3000		100		mg/Kg	20		8015B	Silica Gel Cleanup
TPH as Motor Oil (C17-C44)	5700		500		mg/Kg	20		8015B	Total/NA
Barium	70.0		0.526		mg/Kg	1		6010B	Total/NA
Chromium	20.3		1.05		mg/Kg	1		6010B	Total/NA
Lead	11.3		5.26		mg/Kg	1		6010B	Total/NA

Client Sample ID: B-6 (2.5') — Lab Sample ID: 570-59980-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	21		9.0		ug/Kg	1		8260B	Total/NA
Dieldrin	20		4.9		ug/Kg	1		8081A	Total/NA
Arsenic	3.14		2.53		mg/Kg	1		6010B	Total/NA
Barium	39.1		0.505		mg/Kg	1		6010B	Total/NA
Chromium	10.6		1.01		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: B-6 (5')
Lab Sample ID: 570-59980-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	17		9.9		ug/Kg	1		8260B	Total/NA
TPH as Diesel (C10-C28)	6.3		4.9		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.43		2.46		mg/Kg	1		6010B	Total/NA
Barium	43.5		0.493		mg/Kg	1		6010B	Total/NA
Chromium	11.9		0.985		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1,1-Trichloroethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1,2,2-Tetrachloroethane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1,2-Trichloroethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1-Dichloroethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1-Dichloroethene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,1-Dichloropropene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2,3-Trichlorobenzene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2,3-Trichloropropane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2,4-Trichlorobenzene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2,4-Trimethylbenzene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2-Dibromo-3-Chloropropane	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2-Dibromoethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2-Dichlorobenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2-Dichloroethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,2-Dichloropropane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,3,5-Trimethylbenzene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,3-Dichlorobenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,3-Dichloropropane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
1,4-Dichlorobenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
2,2-Dichloropropane	ND		2.2		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
2-Butanone	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
2-Chlorotoluene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
2-Hexanone	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
4-Chlorotoluene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
4-Methyl-2-pentanone	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Acetone	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Benzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Bromobenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Bromochloromethane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Bromodichloromethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Bromoform	ND		2.2		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Bromomethane	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
cis-1,2-Dichloroethene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
cis-1,3-Dichloropropene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Carbon disulfide	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Carbon tetrachloride	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Chlorobenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Chloroethane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Chloroform	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Chloromethane	ND		8.8		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Dibromochloromethane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Dibromomethane	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Dichlorodifluoromethane	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Ethylbenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Isopropylbenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Methylene Chloride	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1

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

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
n-Butylbenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
N-Propylbenzene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
o-Xylene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
m,p-Xylene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
p-Isopropyltoluene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
sec-Butylbenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Styrene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
trans-1,2-Dichloroethene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
trans-1,3-Dichloropropene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
tert-Butylbenzene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Tetrachloroethene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Toluene	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Trichloroethene	ND		0.88		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Trichlorofluoromethane	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Vinyl acetate	ND		4.4		ug/Kg		05/24/21 20:14	05/25/21 02:19	1
Vinyl chloride	ND		0.44		ug/Kg		05/24/21 20:14	05/25/21 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*05/24/21 20:14*	*05/25/21 02:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*05/24/21 20:14*	*05/25/21 02:19*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 123*	*05/24/21 20:14*	*05/25/21 02:19*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*05/24/21 20:14*	*05/25/21 02:19*	*1*

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1,1-Trichloroethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1,2,2-Tetrachloroethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1,2-Trichloroethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1-Dichloroethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1-Dichloroethene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,1-Dichloropropene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2,3-Trichlorobenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2,4-Trichlorobenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2,4-Trimethylbenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2-Dibromo-3-Chloropropane	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2-Dibromoethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2-Dichlorobenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2-Dichloroethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,2-Dichloropropane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,3,5-Trimethylbenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,3-Dichlorobenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,3-Dichloropropane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
1,4-Dichlorobenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
2,2-Dichloropropane	ND		2.7		ug/Kg		05/24/21 20:14	05/25/21 02:45	1

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

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
2-Chlorotoluene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
2-Hexanone	ND		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
4-Chlorotoluene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
4-Methyl-2-pentanone	ND		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Acetone	**11**		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Benzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Bromobenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Bromochloromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Bromodichloromethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Bromoform	ND		2.7		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Bromomethane	ND		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
cis-1,2-Dichloroethene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
cis-1,3-Dichloropropene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Carbon disulfide	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Carbon tetrachloride	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Chlorobenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Chloroethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Chloroform	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Chloromethane	ND		11		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Dibromochloromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Dibromomethane	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Dichlorodifluoromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Ethylbenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Isopropylbenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Methylene Chloride	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Methyl-t-Butyl Ether (MTBE)	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Naphthalene	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
n-Butylbenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
N-Propylbenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
o-Xylene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
m,p-Xylene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
p-Isopropyltoluene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
sec-Butylbenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Styrene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
trans-1,2-Dichloroethene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
tert-Butylbenzene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Tetrachloroethene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Toluene	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Trichloroethene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Trichlorofluoromethane	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Vinyl acetate	ND		5.5		ug/Kg		05/24/21 20:14	05/25/21 02:45	1
Vinyl chloride	ND		0.55		ug/Kg		05/24/21 20:14	05/25/21 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 142*	*05/24/21 20:14*	*05/25/21 02:45*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*05/24/21 20:14*	*05/25/21 02:45*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 123*	*05/24/21 20:14*	*05/25/21 02:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/24/21 20:14*	*05/25/21 02:45*	*1*

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

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1,1-Trichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1,2,2-Tetrachloroethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1,2-Trichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1-Dichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,1-Dichloropropene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2,3-Trichlorobenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2,3-Trichloropropane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2,4-Trichlorobenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2,4-Trimethylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2-Dibromoethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2-Dichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,2-Dichloropropane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,3,5-Trimethylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,3-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,3-Dichloropropane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
1,4-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
2,2-Dichloropropane	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
2-Butanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
2-Chlorotoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
2-Hexanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
4-Chlorotoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
4-Methyl-2-pentanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Acetone	**12**		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Benzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Bromobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Bromochloromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Bromodichloromethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Bromoform	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Bromomethane	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
cis-1,2-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
cis-1,3-Dichloropropene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Carbon disulfide	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Carbon tetrachloride	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Chlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Chloroethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Chloroform	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Chloromethane	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Dibromochloromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Dibromomethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Dichlorodifluoromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Ethylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Isopropylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Methylene Chloride	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1

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

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
n-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
N-Propylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
o-Xylene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
m,p-Xylene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
p-Isopropyltoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
sec-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Styrene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
trans-1,2-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
trans-1,3-Dichloropropene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
tert-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Tetrachloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Toluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Trichloroethene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Trichlorofluoromethane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Vinyl acetate	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:11	1
Vinyl chloride	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 142*	*05/24/21 20:14*	*05/25/21 03:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*05/24/21 20:14*	*05/25/21 03:11*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 123*	*05/24/21 20:14*	*05/25/21 03:11*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/24/21 20:14*	*05/25/21 03:11*	*1*

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1,1-Trichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1,2,2-Tetrachloroethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1,2-Trichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1-Dichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,1-Dichloropropene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2,3-Trichlorobenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2,3-Trichloropropane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2,4-Trichlorobenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2,4-Trimethylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2-Dibromoethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2-Dichloroethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,2-Dichloropropane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,3,5-Trimethylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,3-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,3-Dichloropropane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
1,4-Dichlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
2,2-Dichloropropane	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 03:37	1

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

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
2-Chlorotoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
2-Hexanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
4-Chlorotoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
4-Methyl-2-pentanone	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Acetone	**13**		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Benzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Bromobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Bromochloromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Bromodichloromethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Bromoform	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Bromomethane	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
cis-1,2-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
cis-1,3-Dichloropropene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Carbon disulfide	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Carbon tetrachloride	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Chlorobenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Chloroethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Chloroform	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Chloromethane	ND		9.8		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Dibromochloromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Dibromomethane	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Dichlorodifluoromethane	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Ethylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Isopropylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Methylene Chloride	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Naphthalene	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
n-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
N-Propylbenzene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
o-Xylene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
m,p-Xylene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
p-Isopropyltoluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
sec-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Styrene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
trans-1,2-Dichloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
trans-1,3-Dichloropropene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
tert-Butylbenzene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Tetrachloroethene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Toluene	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Trichloroethene	ND		0.98		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Trichlorofluoromethane	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Vinyl acetate	ND		4.9		ug/Kg		05/24/21 20:14	05/25/21 03:37	1
Vinyl chloride	ND		0.49		ug/Kg		05/24/21 20:14	05/25/21 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 142*	*05/24/21 20:14*	*05/25/21 03:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*05/24/21 20:14*	*05/25/21 03:37*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 123*	*05/24/21 20:14*	*05/25/21 03:37*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/24/21 20:14*	*05/25/21 03:37*	*1*

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

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1,1-Trichloroethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1,2-Trichloroethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1-Dichloroethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1-Dichloroethene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,1-Dichloropropene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2,3-Trichlorobenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2,4-Trichlorobenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2,4-Trimethylbenzene	**3.9**		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2-Dibromo-3-Chloropropane	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2-Dibromoethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2-Dichlorobenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2-Dichloroethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,2-Dichloropropane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,3,5-Trimethylbenzene	**1.2**		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,3-Dichlorobenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,3-Dichloropropane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
1,4-Dichlorobenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
2,2-Dichloropropane	ND		2.7		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
2-Butanone	**18**		11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
2-Chlorotoluene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
2-Hexanone	ND		11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
4-Chlorotoluene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
4-Methyl-2-pentanone	ND		11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Acetone	**120**	**E**	11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Benzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Bromobenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Bromochloromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Bromodichloromethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Bromoform	ND		2.7		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Bromomethane	ND		11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
cis-1,2-Dichloroethene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
cis-1,3-Dichloropropene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Carbon disulfide	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Carbon tetrachloride	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Chlorobenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Chloroethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Chloroform	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Chloromethane	ND		11		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Dibromochloromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Dibromomethane	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Dichlorodifluoromethane	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Ethylbenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Isopropylbenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Methylene Chloride	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Methyl-t-Butyl Ether (MTBE)	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1

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

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
n-Butylbenzene	**1.7**		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
N-Propylbenzene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
o-Xylene	**0.66**		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
m,p-Xylene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
p-Isopropyltoluene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
sec-Butylbenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Styrene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
trans-1,2-Dichloroethene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
tert-Butylbenzene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Tetrachloroethene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Toluene	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Trichloroethene	ND		1.1		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Trichlorofluoromethane	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Vinyl acetate	ND		5.4		ug/Kg		05/24/21 20:14	05/25/21 04:55	1
Vinyl chloride	ND		0.54		ug/Kg		05/24/21 20:14	05/25/21 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 142*	*05/24/21 20:14*	*05/25/21 04:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 123*	*05/24/21 20:14*	*05/25/21 04:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:55*	*1*

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1,1-Trichloroethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1,2,2-Tetrachloroethane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1,2-Trichloroethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1-Dichloroethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1-Dichloroethene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,1-Dichloropropene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2,3-Trichlorobenzene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2,3-Trichloropropane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2,4-Trichlorobenzene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2,4-Trimethylbenzene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2-Dibromo-3-Chloropropane	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2-Dibromoethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2-Dichlorobenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2-Dichloroethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,2-Dichloropropane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,3,5-Trimethylbenzene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,3-Dichlorobenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,3-Dichloropropane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
1,4-Dichlorobenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
2,2-Dichloropropane	ND		2.3		ug/Kg		05/24/21 20:14	05/25/21 04:02	1

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

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
2-Chlorotoluene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
2-Hexanone	ND		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
4-Chlorotoluene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
4-Methyl-2-pentanone	ND		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Acetone	**21**		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Benzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Bromobenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Bromochloromethane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Bromodichloromethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Bromoform	ND		2.3		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Bromomethane	ND		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
cis-1,2-Dichloroethene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
cis-1,3-Dichloropropene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Carbon disulfide	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Carbon tetrachloride	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Chlorobenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Chloroethane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Chloroform	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Chloromethane	ND		9.0		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Dibromochloromethane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Dibromomethane	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Dichlorodifluoromethane	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Ethylbenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Isopropylbenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Methylene Chloride	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Naphthalene	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
n-Butylbenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
N-Propylbenzene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
o-Xylene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
m,p-Xylene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
p-Isopropyltoluene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
sec-Butylbenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Styrene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
trans-1,2-Dichloroethene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
trans-1,3-Dichloropropene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
tert-Butylbenzene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Tetrachloroethene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Toluene	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Trichloroethene	ND		0.90		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Trichlorofluoromethane	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Vinyl acetate	ND		4.5		ug/Kg		05/24/21 20:14	05/25/21 04:02	1
Vinyl chloride	ND		0.45		ug/Kg		05/24/21 20:14	05/25/21 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*05/24/21 20:14*	*05/25/21 04:02*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:02*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 123*	*05/24/21 20:14*	*05/25/21 04:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:02*	*1*

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

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1,1-Trichloroethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1,2,2-Tetrachloroethane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1,2-Trichloroethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1-Dichloroethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1-Dichloroethene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,1-Dichloropropene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2,3-Trichlorobenzene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2,3-Trichloropropane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2,4-Trichlorobenzene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2,4-Trimethylbenzene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2-Dibromoethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2-Dichlorobenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2-Dichloroethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,2-Dichloropropane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,3,5-Trimethylbenzene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,3-Dichlorobenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,3-Dichloropropane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
1,4-Dichlorobenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
2,2-Dichloropropane	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
2-Butanone	ND		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
2-Chlorotoluene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
2-Hexanone	ND		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
4-Chlorotoluene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
4-Methyl-2-pentanone	ND		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Acetone	**17**		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Benzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Bromobenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Bromochloromethane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Bromodichloromethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Bromoform	ND		2.5		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Bromomethane	ND		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
cis-1,2-Dichloroethene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
cis-1,3-Dichloropropene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Carbon disulfide	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Carbon tetrachloride	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Chlorobenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Chloroethane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Chloroform	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Chloromethane	ND		9.9		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Dibromochloromethane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Dibromomethane	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Dichlorodifluoromethane	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Ethylbenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Isopropylbenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Methylene Chloride	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1

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

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
n-Butylbenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
N-Propylbenzene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
o-Xylene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
m,p-Xylene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
p-Isopropyltoluene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
sec-Butylbenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Styrene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
trans-1,2-Dichloroethene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
trans-1,3-Dichloropropene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
tert-Butylbenzene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Tetrachloroethene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Toluene	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Trichloroethene	ND		0.99		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Trichlorofluoromethane	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Vinyl acetate	ND		5.0		ug/Kg		05/24/21 20:14	05/25/21 04:29	1
Vinyl chloride	ND		0.50		ug/Kg		05/24/21 20:14	05/25/21 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 142*	*05/24/21 20:14*	*05/25/21 04:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:29*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*05/24/21 20:14*	*05/25/21 04:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*05/24/21 20:14*	*05/25/21 04:29*	*1*

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

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.046		mg/Kg		05/24/21 20:14	05/25/21 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*05/24/21 20:14*	*05/25/21 11:20*	*1*

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.047		mg/Kg		05/24/21 20:14	05/25/21 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*05/24/21 20:14*	*05/25/21 11:43*	*1*

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.047		mg/Kg		05/24/21 20:14	05/25/21 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*05/24/21 20:14*	*05/25/21 12:07*	*1*

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.046		mg/Kg		05/24/21 20:14	05/25/21 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*05/24/21 20:14*	*05/25/21 12:31*	*1*

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	**0.82**		0.056		mg/Kg		05/24/21 20:14	05/25/21 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*42 - 126*	*05/24/21 20:14*	*05/25/21 12:54*	*1*

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.046		mg/Kg		05/24/21 20:14	05/25/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*05/24/21 20:14*	*05/25/21 13:18*	*1*

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

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

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.050		mg/Kg		05/24/21 20:14	05/25/21 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*05/24/21 20:14*	*05/25/21 13:42*	*1*

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		5.0		mg/Kg		05/25/21 17:01	05/26/21 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 05:44*	*1*
n-Octacosane (Surr)	*99*		*60 - 138*	*05/25/21 17:01*	*05/26/21 05:44*	*1*

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		5.0		mg/Kg		05/25/21 17:01	05/26/21 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 06:06*	*1*
n-Octacosane (Surr)	*99*		*60 - 138*	*05/25/21 17:01*	*05/26/21 06:06*	*1*

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		5.0		mg/Kg		05/25/21 17:01	05/26/21 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 06:27*	*1*
n-Octacosane (Surr)	*103*		*60 - 138*	*05/25/21 17:01*	*05/26/21 06:27*	*1*

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		5.0		mg/Kg		05/25/21 17:01	05/26/21 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 06:47*	*1*
n-Octacosane (Surr)	*96*		*60 - 138*	*05/25/21 17:01*	*05/26/21 06:47*	*1*

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	**3000**		100		mg/Kg		05/25/21 17:01	05/26/21 07:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 07:07*	*20*
n-Octacosane (Surr)	*79*		*60 - 138*	*05/25/21 17:01*	*05/26/21 07:07*	*20*

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		4.9		mg/Kg		05/25/21 17:01	05/26/21 07:28	1

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup - Silica Gel Cleanup (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 07:28*	*1*
n-Octacosane (Surr)	*97*		*60 - 138*	*05/25/21 17:01*	*05/26/21 07:28*	*1*

Client Sample ID: B-6 (5') **Lab Sample ID: 570-59980-14**
Date Collected: 05/24/21 13:00 **Matrix: Solid**
Date Received: 05/24/21 17:57

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	**6.3**		4.9		mg/Kg		05/25/21 17:01	05/26/21 07:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/26/21 07:49*	*1*
n-Octacosane (Surr)	*95*		*60 - 138*	*05/25/21 17:01*	*05/26/21 07:49*	*1*

Method: 8015B - Oil Range Organics (ORO)

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/25/21 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*60 - 138*	*05/25/21 17:01*	*05/25/21 23:11*	*1*

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/25/21 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*60 - 138*	*05/25/21 17:01*	*05/25/21 23:31*	*1*

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/25/21 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*60 - 138*	*05/25/21 17:01*	*05/25/21 23:51*	*1*

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/26/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*88*		*60 - 138*	*05/25/21 17:01*	*05/26/21 00:12*	*1*

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	**5700**		500		mg/Kg		05/25/21 17:01	05/26/21 00:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*81*		*60 - 138*	*05/25/21 17:01*	*05/26/21 00:32*	*20*

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/26/21 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*60 - 138*	*05/25/21 17:01*	*05/26/21 00:54*	*1*

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method: 8015B - Oil Range Organics (ORO)

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/26/21 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*60 - 138*	*05/25/21 17:01*	*05/26/21 09:32*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
4,4'-DDE	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
4,4'-DDT	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Aldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
alpha-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
alpha-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
beta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
delta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Dieldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endosulfan I	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endosulfan II	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endosulfan sulfate	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endrin aldehyde	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Endrin ketone	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
gamma-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
gamma-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Heptachlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Heptachlor epoxide	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Methoxychlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 15:58	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*38 - 148*	*05/25/21 07:38*	*05/25/21 15:58*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*37 - 151*	*05/25/21 07:38*	*05/25/21 15:58*	*1*

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
4,4'-DDE	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
4,4'-DDT	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Aldrin	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
alpha-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
alpha-Chlordane	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
beta-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
delta-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Dieldrin	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endosulfan I	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endosulfan II	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endosulfan sulfate	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endrin	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endrin aldehyde	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Endrin ketone	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
gamma-Chlordane	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
gamma-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Heptachlor	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Methoxychlor	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:12	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*38 - 148*	*05/25/21 07:38*	*05/25/21 16:12*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*37 - 151*	*05/25/21 07:38*	*05/25/21 16:12*	*1*

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
4,4'-DDE	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
4,4'-DDT	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Aldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
alpha-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
alpha-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
beta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
delta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Dieldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endosulfan I	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endosulfan II	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endosulfan sulfate	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endrin aldehyde	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Endrin ketone	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
gamma-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
gamma-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Heptachlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Heptachlor epoxide	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Methoxychlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:26	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*38 - 148*	*05/25/21 07:38*	*05/25/21 16:26*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*37 - 151*	*05/25/21 07:38*	*05/25/21 16:26*	*1*

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
4,4'-DDE	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
4,4'-DDT	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Aldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
alpha-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
alpha-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
beta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
delta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Dieldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endosulfan I	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endosulfan II	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endosulfan sulfate	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endrin aldehyde	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Endrin ketone	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
gamma-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
gamma-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Heptachlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Heptachlor epoxide	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Methoxychlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 16:41	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*38 - 148*	*05/25/21 07:38*	*05/25/21 16:41*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*37 - 151*	*05/25/21 07:38*	*05/25/21 16:41*	*1*

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
4,4'-DDE	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
4,4'-DDT	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Aldrin	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
alpha-BHC	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
alpha-Chlordane	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
beta-BHC	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Chlordane	ND		250		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
delta-BHC	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Dieldrin	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endosulfan I	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endosulfan II	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endosulfan sulfate	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endrin	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endrin aldehyde	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Endrin ketone	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
gamma-Chlordane	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
gamma-BHC	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Heptachlor	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Heptachlor epoxide	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Methoxychlor	ND		50		ug/Kg		05/25/21 07:38	05/25/21 15:44	10
Toxaphene	ND		250		ug/Kg		05/25/21 07:38	05/25/21 15:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*38 - 148*	*05/25/21 07:38*	*05/25/21 15:44*	*10*
DCB Decachlorobiphenyl (Surr)	*87*		*37 - 151*	*05/25/21 07:38*	*05/25/21 15:44*	*10*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
4,4'-DDE	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
4,4'-DDT	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Aldrin	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
alpha-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
alpha-Chlordane	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
beta-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
delta-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Dieldrin	**20**		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endosulfan I	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endosulfan II	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endosulfan sulfate	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endrin	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endrin aldehyde	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Endrin ketone	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
gamma-Chlordane	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
gamma-BHC	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Heptachlor	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Heptachlor epoxide	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Methoxychlor	ND		4.9		ug/Kg		05/25/21 07:38	05/25/21 16:55	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*38 - 148*	*05/25/21 07:38*	*05/25/21 16:55*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*37 - 151*	*05/25/21 07:38*	*05/25/21 16:55*	*1*

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
4,4'-DDE	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
4,4'-DDT	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Aldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
alpha-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
alpha-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
beta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
delta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Dieldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endosulfan I	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endosulfan II	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endosulfan sulfate	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endrin aldehyde	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Endrin ketone	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
gamma-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
gamma-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Heptachlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Methoxychlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 17:09	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*38 - 148*	*05/25/21 07:38*	*05/25/21 17:09*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*37 - 151*	*05/25/21 07:38*	*05/25/21 17:09*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Arsenic	**3.42**		2.51		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Barium	**48.9**		0.503		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Cadmium	ND		0.503		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Chromium	**15.7**		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Lead	ND		5.03		mg/Kg		05/25/21 09:00	05/25/21 12:28	1
Selenium	ND		5.03		mg/Kg		05/25/21 09:00	05/25/21 12:28	1

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.03		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Arsenic	**4.09**		2.56		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Barium	**44.9**		0.513		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Cadmium	ND		0.513		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Chromium	**14.4**		1.03		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Lead	ND		5.13		mg/Kg		05/25/21 09:00	05/25/21 12:30	1
Selenium	ND		5.13		mg/Kg		05/25/21 09:00	05/25/21 12:30	1

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Arsenic	ND		2.51		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Barium	**33.0**		0.503		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Cadmium	ND		0.503		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Chromium	**12.9**		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Lead	ND		5.03		mg/Kg		05/25/21 09:00	05/25/21 12:32	1
Selenium	ND		5.03		mg/Kg		05/25/21 09:00	05/25/21 12:32	1

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Arsenic	**3.35**		2.62		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Barium	**38.3**		0.524		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Cadmium	ND		0.524		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Chromium	**15.9**		1.05		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Lead	ND		5.24		mg/Kg		05/25/21 09:00	05/25/21 12:34	1
Selenium	ND		5.24		mg/Kg		05/25/21 09:00	05/25/21 12:34	1

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.05		mg/Kg		05/25/21 09:00	05/25/21 12:37	1
Arsenic	ND		2.63		mg/Kg		05/25/21 09:00	05/25/21 12:37	1

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

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Barium	**70.0**		0.526		mg/Kg		05/25/21 09:00	05/25/21 12:37	1
Cadmium	ND		0.526		mg/Kg		05/25/21 09:00	05/25/21 12:37	1
Chromium	**20.3**		1.05		mg/Kg		05/25/21 09:00	05/25/21 12:37	1
Lead	**11.3**		5.26		mg/Kg		05/25/21 09:00	05/25/21 12:37	1
Selenium	ND		5.26		mg/Kg		05/25/21 09:00	05/25/21 12:37	1

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Arsenic	**3.14**		2.53		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Barium	**39.1**		0.505		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Cadmium	ND		0.505		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Chromium	**10.6**		1.01		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Lead	ND		5.05		mg/Kg		05/25/21 09:00	05/25/21 12:39	1
Selenium	ND		5.05		mg/Kg		05/25/21 09:00	05/25/21 12:39	1

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Arsenic	**4.43**		2.46		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Barium	**43.5**		0.493		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Cadmium	ND		0.493		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Chromium	**11.9**		0.985		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Lead	ND		4.93		mg/Kg		05/25/21 09:00	05/25/21 12:41	1
Selenium	ND		4.93		mg/Kg		05/25/21 09:00	05/25/21 12:41	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: B-1 (6.5')
Date Collected: 05/24/21 15:55
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		05/25/21 09:00	05/25/21 11:56	1

Client Sample ID: B-2 (2.5')
Date Collected: 05/24/21 14:30
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		05/25/21 09:00	05/25/21 11:58	1

Client Sample ID: B-4 (2.5')
Date Collected: 05/24/21 11:25
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		05/25/21 09:00	05/25/21 12:00	1

Client Sample ID: B-5 (2.5')
Date Collected: 05/24/21 12:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		05/25/21 09:00	05/25/21 12:01	1

Client Sample ID: B-6 (0.5')
Date Collected: 05/24/21 13:20
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		05/25/21 09:00	05/25/21 12:03	1

Client Sample ID: B-6 (2.5')
Date Collected: 05/24/21 13:10
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		05/25/21 09:00	05/25/21 12:05	1

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57
Lab Sample ID: 570-59980-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		05/25/21 09:00	05/25/21 12:07	1

Surrogate Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-142)	(80-120)	(80-123)	(80-120)
570-59980-2	B-1 (6.5')	109	103	102	98
570-59980-4	B-2 (2.5')	105	101	102	99
570-59980-7	B-4 (2.5')	108	101	104	100
570-59980-10	B-5 (2.5')	106	99	100	99
570-59980-12	B-6 (0.5')	104	90	102	95
570-59980-13	B-6 (2.5')	109	101	99	99
570-59980-14	B-6 (5')	107	101	101	100
LCS 570-152750/4	Lab Control Sample	98	99	99	99
LCSD 570-152750/5	Lab Control Sample Dup	98	96	102	98
MB 570-152750/7	Method Blank	100	97	101	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-59980-2	B-1 (6.5')	94
570-59980-4	B-2 (2.5')	94
570-59980-7	B-4 (2.5')	95
570-59980-10	B-5 (2.5')	96
570-59980-12	B-6 (0.5')	85
570-59980-13	B-6 (2.5')	94
570-59980-14	B-6 (5')	97
LCS 570-152806/3	Lab Control Sample	92
LCSD 570-152806/4	Lab Control Sample Dup	92
MB 570-152806/5	Method Blank	80

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup

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

		Percent Surrogate Recovery (Acceptance Limits)	
		NDA1	OTCSN1
Lab Sample ID	Client Sample ID	(0-1)	(60-138)
LCS 570-153053/2-B	Lab Control Sample	0	96
LCSD 570-153053/3-B	Lab Control Sample Dup	0	96
MB 570-153053/1-B	Method Blank	0	94

Surrogate Legend

NDA = n-Decanoic Acid (Surr)
OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup

Matrix: Solid
Prep Type: Silica Gel Cleanup

		Percent Surrogate Recovery (Acceptance Limits)	
		NDA1	OTCSN1
Lab Sample ID	Client Sample ID	(0-1)	(60-138)
570-59980-2	B-1 (6.5')	0	99
570-59980-4	B-2 (2.5')	0	99
570-59980-4 MS	B-2 (2.5')	0	98
570-59980-4 MSD	B-2 (2.5')	0	100
570-59980-7	B-4 (2.5')	0	103
570-59980-10	B-5 (2.5')	0	96
570-59980-12	B-6 (0.5')	0	79
570-59980-13	B-6 (2.5')	0	97
570-59980-14	B-6 (5')	0	95

Surrogate Legend

NDA = n-Decanoic Acid (Surr)
OTCSN = n-Octacosane (Surr)

Method: 8015B - Oil Range Organics (ORO)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-59980-2	B-1 (6.5')	91
570-59980-4	B-2 (2.5')	95
570-59980-4 MS	B-2 (2.5')	93
570-59980-4 MS	B-2 (2.5')	86
570-59980-4 MSD	B-2 (2.5')	94
570-59980-4 MSD	B-2 (2.5')	90
570-59980-7	B-4 (2.5')	96
570-59980-10	B-5 (2.5')	88
570-59980-12	B-6 (0.5')	81
570-59980-13	B-6 (2.5')	91
570-59980-14	B-6 (5')	95
LCS 570-153034/2-A	Lab Control Sample	93
LCS 570-153034/6-A	Lab Control Sample	90
LCSD 570-153034/3-A	Lab Control Sample Dup	96
LCSD 570-153034/7-A	Lab Control Sample Dup	89
MB 570-153034/1-A	Method Blank	91

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(38-148)	(37-151)
570-59980-2	B-1 (6.5')	80	75
570-59980-2 MS	B-1 (6.5')	75	88
570-59980-2 MSD	B-1 (6.5')	96	106
570-59980-4	B-2 (2.5')	78	77
570-59980-7	B-4 (2.5')	89	88
570-59980-10	B-5 (2.5')	89	97

Surrogate Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	DCB1								
Lab Sample ID	Client Sample ID	(38-148)	(37-151)								
570-59980-12	B-6 (0.5')	69	87								
570-59980-13	B-6 (2.5')	103	91								
570-59980-14	B-6 (5')	79	79								
LCS 570-152785/2-A	Lab Control Sample	107	105								
LCSD 570-152785/3-A	Lab Control Sample Dup	102	100								
MB 570-152785/1-A	Method Blank	103	101								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

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

Lab Sample ID: MB 570-152750/7
Matrix: Solid
Analysis Batch: 152750

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			05/24/21 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			05/24/21 22:27	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,1-Dichloroethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,1-Dichloroethene	ND		1.0		ug/Kg			05/24/21 22:27	1
1,1-Dichloropropene	ND		2.0		ug/Kg			05/24/21 22:27	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			05/24/21 22:27	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			05/24/21 22:27	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			05/24/21 22:27	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			05/24/21 22:27	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			05/24/21 22:27	1
1,2-Dibromoethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
1,2-Dichloroethane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,2-Dichloropropane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			05/24/21 22:27	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
1,3-Dichloropropane	ND		1.0		ug/Kg			05/24/21 22:27	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
2,2-Dichloropropane	ND		5.0		ug/Kg			05/24/21 22:27	1
2-Butanone	ND		20		ug/Kg			05/24/21 22:27	1
2-Chlorotoluene	ND		1.0		ug/Kg			05/24/21 22:27	1
2-Hexanone	ND		20		ug/Kg			05/24/21 22:27	1
4-Chlorotoluene	ND		1.0		ug/Kg			05/24/21 22:27	1
4-Methyl-2-pentanone	ND		20		ug/Kg			05/24/21 22:27	1
Acetone	ND		20		ug/Kg			05/24/21 22:27	1
Benzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Bromobenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Bromochloromethane	ND		2.0		ug/Kg			05/24/21 22:27	1
Bromodichloromethane	ND		1.0		ug/Kg			05/24/21 22:27	1
Bromoform	ND		5.0		ug/Kg			05/24/21 22:27	1
Bromomethane	ND		20		ug/Kg			05/24/21 22:27	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			05/24/21 22:27	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			05/24/21 22:27	1
Carbon disulfide	ND		10		ug/Kg			05/24/21 22:27	1
Carbon tetrachloride	ND		1.0		ug/Kg			05/24/21 22:27	1
Chlorobenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Chloroethane	ND		2.0		ug/Kg			05/24/21 22:27	1
Chloroform	ND		1.0		ug/Kg			05/24/21 22:27	1
Chloromethane	ND		20		ug/Kg			05/24/21 22:27	1
Dibromochloromethane	ND		2.0		ug/Kg			05/24/21 22:27	1
Dibromomethane	ND		1.0		ug/Kg			05/24/21 22:27	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			05/24/21 22:27	1
Ethylbenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Isopropylbenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Methylene Chloride	ND		10		ug/Kg			05/24/21 22:27	1

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

Lab Sample ID: MB 570-152750/7
Matrix: Solid
Analysis Batch: 152750

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			05/24/21 22:27	1
Naphthalene	ND		10		ug/Kg			05/24/21 22:27	1
n-Butylbenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
N-Propylbenzene	ND		2.0		ug/Kg			05/24/21 22:27	1
o-Xylene	ND		1.0		ug/Kg			05/24/21 22:27	1
m,p-Xylene	ND		2.0		ug/Kg			05/24/21 22:27	1
p-Isopropyltoluene	ND		1.0		ug/Kg			05/24/21 22:27	1
sec-Butylbenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Styrene	ND		1.0		ug/Kg			05/24/21 22:27	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			05/24/21 22:27	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			05/24/21 22:27	1
tert-Butylbenzene	ND		1.0		ug/Kg			05/24/21 22:27	1
Tetrachloroethene	ND		1.0		ug/Kg			05/24/21 22:27	1
Toluene	ND		1.0		ug/Kg			05/24/21 22:27	1
Trichloroethene	ND		2.0		ug/Kg			05/24/21 22:27	1
Trichlorofluoromethane	ND		10		ug/Kg			05/24/21 22:27	1
Vinyl acetate	ND		10		ug/Kg			05/24/21 22:27	1
Vinyl chloride	ND		1.0		ug/Kg			05/24/21 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 142*		*05/24/21 22:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/24/21 22:27*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*05/24/21 22:27*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/21 22:27*	*1*

Lab Sample ID: LCS 570-152750/4
Matrix: Solid
Analysis Batch: 152750

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1,2-Tetrachloroethane			50.0	48.55		ug/Kg		97	80 - 122		
1,1,1-Trichloroethane			50.0	48.92		ug/Kg		98	73 - 122		
1,1,2,2-Tetrachloroethane			50.0	51.60		ug/Kg		103	80 - 120		
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	52.25		ug/Kg		104	66 - 120		
1,1,2-Trichloroethane			50.0	49.21		ug/Kg		98	80 - 120		
1,1-Dichloroethane			50.0	50.83		ug/Kg		102	71 - 120		
1,1-Dichloroethene			50.0	52.97		ug/Kg		106	67 - 122		
1,1-Dichloropropene			50.0	50.58		ug/Kg		101	74 - 125		
1,2,3-Trichlorobenzene			50.0	49.60		ug/Kg		99	80 - 126		
1,2,3-Trichloropropane			50.0	49.17		ug/Kg		98	74 - 122		
1,2,4-Trichlorobenzene			50.0	51.12		ug/Kg		102	80 - 135		
1,2,4-Trimethylbenzene			50.0	50.77		ug/Kg		102	80 - 120		
1,2-Dibromo-3-Chloropropane			50.0	45.13		ug/Kg		90	70 - 120		
1,2-Dibromoethane			50.0	49.82		ug/Kg		100	80 - 123		
1,2-Dichlorobenzene			50.0	49.19		ug/Kg		98	80 - 120		
1,2-Dichloroethane			50.0	43.75		ug/Kg		88	80 - 125		
1,2-Dichloropropane			50.0	46.97		ug/Kg		94	80 - 121		
1,3,5-Trimethylbenzene			50.0	50.28		ug/Kg		101	80 - 120		

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

Lab Sample ID: LCS 570-152750/4
Matrix: Solid
Analysis Batch: 152750

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	50.0	49.49		ug/Kg		99	80 - 120
1,3-Dichloropropane	50.0	47.35		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	50.0	50.51		ug/Kg		101	80 - 120
2,2-Dichloropropane	50.0	51.71		ug/Kg		103	67 - 131
2-Butanone	50.0	46.71		ug/Kg		93	62 - 131
2-Chlorotoluene	50.0	49.52		ug/Kg		99	80 - 120
2-Hexanone	50.0	47.32		ug/Kg		95	66 - 130
4-Chlorotoluene	50.0	49.89		ug/Kg		100	80 - 120
4-Methyl-2-pentanone	50.0	47.53		ug/Kg		95	70 - 125
Acetone	50.0	49.90		ug/Kg		100	56 - 130
Benzene	50.0	49.15		ug/Kg		98	79 - 120
Bromobenzene	50.0	49.76		ug/Kg		100	80 - 122
Bromochloromethane	50.0	49.91		ug/Kg		100	80 - 120
Bromodichloromethane	50.0	48.47		ug/Kg		97	80 - 126
Bromoform	50.0	49.14		ug/Kg		98	71 - 128
Bromomethane	50.0	42.58		ug/Kg		85	45 - 136
cis-1,2-Dichloroethene	50.0	50.87		ug/Kg		102	80 - 120
cis-1,3-Dichloropropene	50.0	50.86		ug/Kg		102	80 - 120
Carbon disulfide	50.0	54.70		ug/Kg		109	58 - 128
Carbon tetrachloride	50.0	53.54		ug/Kg		107	69 - 132
Chlorobenzene	50.0	50.57		ug/Kg		101	80 - 120
Chloroethane	50.0	45.08		ug/Kg		90	63 - 132
Chloroform	50.0	51.63		ug/Kg		103	78 - 121
Chloromethane	50.0	41.88		ug/Kg		84	46 - 130
Dibromochloromethane	50.0	50.85		ug/Kg		102	77 - 125
Dibromomethane	50.0	48.34		ug/Kg		97	80 - 123
Dichlorodifluoromethane	50.0	39.41		ug/Kg		79	59 - 127
Ethylbenzene	50.0	49.99		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	49.74		ug/Kg		99	80 - 120
Methylene Chloride	50.0	50.89		ug/Kg		102	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	48.79		ug/Kg		98	68 - 120
Naphthalene	50.0	50.01		ug/Kg		100	78 - 121
n-Butylbenzene	50.0	52.07		ug/Kg		104	79 - 125
N-Propylbenzene	50.0	50.04		ug/Kg		100	80 - 120
o-Xylene	50.0	50.30		ug/Kg		101	79 - 120
m,p-Xylene	100	98.62		ug/Kg		99	79 - 120
p-Isopropyltoluene	50.0	50.69		ug/Kg		101	80 - 121
sec-Butylbenzene	50.0	50.44		ug/Kg		101	80 - 120
Styrene	50.0	49.93		ug/Kg		100	80 - 120
trans-1,2-Dichloroethene	50.0	50.60		ug/Kg		101	72 - 120
trans-1,3-Dichloropropene	50.0	51.03		ug/Kg		102	80 - 126
tert-Butylbenzene	50.0	51.74		ug/Kg		103	80 - 120
Tetrachloroethene	50.0	51.07		ug/Kg		102	80 - 123
Toluene	50.0	50.35		ug/Kg		101	80 - 120
Trichloroethene	50.0	49.38		ug/Kg		99	80 - 121
Trichlorofluoromethane	50.0	44.77		ug/Kg		90	72 - 135
Vinyl acetate	50.0	59.84		ug/Kg		120	74 - 143
Vinyl chloride	50.0	44.28		ug/Kg		89	66 - 128

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

Lab Sample ID: LCS 570-152750/4
Matrix: Solid
Analysis Batch: 152750

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 142*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-152750/5
Matrix: Solid
Analysis Batch: 152750

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	48.59		ug/Kg		97	80 - 122	0	20
1,1,1-Trichloroethane			50.0	49.66		ug/Kg		99	73 - 122	2	20
1,1,2,2-Tetrachloroethane			50.0	50.97		ug/Kg		102	80 - 120	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	51.94		ug/Kg		104	66 - 120	1	20
1,1,2-Trichloroethane			50.0	47.72		ug/Kg		95	80 - 120	3	20
1,1-Dichloroethane			50.0	51.03		ug/Kg		102	71 - 120	0	20
1,1-Dichloroethene			50.0	52.47		ug/Kg		105	67 - 122	1	20
1,1-Dichloropropene			50.0	51.36		ug/Kg		103	74 - 125	2	20
1,2,3-Trichlorobenzene			50.0	49.04		ug/Kg		98	80 - 126	1	20
1,2,3-Trichloropropane			50.0	47.33		ug/Kg		95	74 - 122	4	20
1,2,4-Trichlorobenzene			50.0	49.04		ug/Kg		98	80 - 135	4	20
1,2,4-Trimethylbenzene			50.0	49.28		ug/Kg		99	80 - 120	3	20
1,2-Dibromo-3-Chloropropane			50.0	45.13		ug/Kg		90	70 - 120	0	20
1,2-Dibromoethane			50.0	49.05		ug/Kg		98	80 - 123	2	20
1,2-Dichlorobenzene			50.0	48.44		ug/Kg		97	80 - 120	2	20
1,2-Dichloroethane			50.0	44.08		ug/Kg		88	80 - 125	1	20
1,2-Dichloropropane			50.0	47.41		ug/Kg		95	80 - 121	1	20
1,3,5-Trimethylbenzene			50.0	48.88		ug/Kg		98	80 - 120	3	20
1,3-Dichlorobenzene			50.0	48.24		ug/Kg		96	80 - 120	3	20
1,3-Dichloropropane			50.0	47.14		ug/Kg		94	80 - 120	0	20
1,4-Dichlorobenzene			50.0	49.44		ug/Kg		99	80 - 120	2	20
2,2-Dichloropropane			50.0	52.38		ug/Kg		105	67 - 131	1	20
2-Butanone			50.0	48.22		ug/Kg		96	62 - 131	3	20
2-Chlorotoluene			50.0	48.47		ug/Kg		97	80 - 120	2	20
2-Hexanone			50.0	47.88		ug/Kg		96	66 - 130	1	20
4-Chlorotoluene			50.0	49.32		ug/Kg		99	80 - 120	1	20
4-Methyl-2-pentanone			50.0	47.05		ug/Kg		94	70 - 125	1	20
Acetone			50.0	49.14		ug/Kg		98	56 - 130	2	20
Benzene			50.0	49.91		ug/Kg		100	79 - 120	2	20
Bromobenzene			50.0	48.23		ug/Kg		96	80 - 122	3	20
Bromochloromethane			50.0	48.78		ug/Kg		98	80 - 120	2	20
Bromodichloromethane			50.0	48.93		ug/Kg		98	80 - 126	1	20
Bromoform			50.0	48.52		ug/Kg		97	71 - 128	1	20
Bromomethane			50.0	41.22		ug/Kg		82	45 - 136	3	20
cis-1,2-Dichloroethene			50.0	51.22		ug/Kg		102	80 - 120	1	20
cis-1,3-Dichloropropene			50.0	50.42		ug/Kg		101	80 - 120	1	20
Carbon disulfide			50.0	55.50		ug/Kg		111	58 - 128	1	20
Carbon tetrachloride			50.0	53.36		ug/Kg		107	69 - 132	0	20

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

Lab Sample ID: LCSD 570-152750/5
Matrix: Solid
Analysis Batch: 152750

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene			50.0	49.65		ug/Kg		99	80 - 120	2	20
Chloroethane			50.0	46.65		ug/Kg		93	63 - 132	3	20
Chloroform			50.0	51.56		ug/Kg		103	78 - 121	0	20
Chloromethane			50.0	42.02		ug/Kg		84	46 - 130	0	20
Dibromochloromethane			50.0	50.14		ug/Kg		100	77 - 125	1	20
Dibromomethane			50.0	47.63		ug/Kg		95	80 - 123	1	20
Dichlorodifluoromethane			50.0	41.02		ug/Kg		82	59 - 127	4	20
Ethylbenzene			50.0	48.84		ug/Kg		98	80 - 120	2	20
Isopropylbenzene			50.0	48.57		ug/Kg		97	80 - 120	2	20
Methylene Chloride			50.0	50.10		ug/Kg		100	74 - 120	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	49.16		ug/Kg		98	68 - 120	1	20
Naphthalene			50.0	49.70		ug/Kg		99	78 - 121	1	20
n-Butylbenzene			50.0	51.11		ug/Kg		102	79 - 125	2	20
N-Propylbenzene			50.0	49.29		ug/Kg		99	80 - 120	2	20
o-Xylene			50.0	48.96		ug/Kg		98	79 - 120	3	20
m,p-Xylene			100	97.12		ug/Kg		97	79 - 120	2	20
p-Isopropyltoluene			50.0	50.27		ug/Kg		101	80 - 121	1	20
sec-Butylbenzene			50.0	49.32		ug/Kg		99	80 - 120	2	20
Styrene			50.0	48.69		ug/Kg		97	80 - 120	3	20
trans-1,2-Dichloroethene			50.0	51.05		ug/Kg		102	72 - 120	1	20
trans-1,3-Dichloropropene			50.0	50.16		ug/Kg		100	80 - 126	2	20
tert-Butylbenzene			50.0	50.14		ug/Kg		100	80 - 120	3	20
Tetrachloroethene			50.0	50.76		ug/Kg		102	80 - 123	1	20
Toluene			50.0	49.24		ug/Kg		98	80 - 120	2	20
Trichloroethene			50.0	49.60		ug/Kg		99	80 - 121	0	20
Trichlorofluoromethane			50.0	45.65		ug/Kg		91	72 - 135	2	20
Vinyl acetate			50.0	58.58		ug/Kg		117	74 - 143	2	20
Vinyl chloride			50.0	46.47		ug/Kg		93	66 - 128	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 142*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 570-152806/5
Matrix: Solid
Analysis Batch: 152806

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C12)	ND		0.10		mg/Kg			05/25/21 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*42 - 126*		*05/25/21 10:32*	*1*

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

Lab Sample ID: LCS 570-152806/3
Matrix: Solid
Analysis Batch: 152806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2.12	1.942		mg/Kg		91	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*

Lab Sample ID: LCSD 570-152806/4
Matrix: Solid
Analysis Batch: 152806

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2.12	2.002		mg/Kg		94	70 - 124	3	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*

Method: 8015B - Oil Range Organics (ORO)

Lab Sample ID: MB 570-153034/1-A
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153034

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil (C17-C44)	ND		25		mg/Kg		05/25/21 17:01	05/25/21 20:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*60 - 138*	*05/25/21 17:01*	*05/25/21 20:28*	*1*

Lab Sample ID: LCS 570-153034/2-A
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153034

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*93*		*60 - 138*

Lab Sample ID: LCS 570-153034/6-A
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153034

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Motor Oil (C17-C44)			400	421.6		mg/Kg		105	77 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*90*		*60 - 138*

Method: 8015B - Oil Range Organics (ORO) (Continued)

Lab Sample ID: LCSD 570-153034/3-A
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 153034

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	96		60 - 138

Lab Sample ID: LCSD 570-153034/7-A
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 153034

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)			400	395.1		mg/Kg		99	77 - 125	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	89		60 - 138

Lab Sample ID: 570-59980-4 MS
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: B-2 (2.5')
Prep Type: Total/NA
Prep Batch: 153034

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	93		60 - 138

Lab Sample ID: 570-59980-4 MS
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: B-2 (2.5')
Prep Type: Total/NA
Prep Batch: 153034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Motor Oil (C17-C44)	ND		398	390.5		mg/Kg		98	44 - 161		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	86		60 - 138

Lab Sample ID: 570-59980-4 MSD
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: B-2 (2.5')
Prep Type: Total/NA
Prep Batch: 153034

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	94		60 - 138

Lab Sample ID: 570-59980-4 MSD
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: B-2 (2.5')
Prep Type: Total/NA
Prep Batch: 153034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	ND		395	408.5		mg/Kg		103	44 - 161	5	37

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	90		60 - 138

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup

Lab Sample ID: MB 570-153053/1-B
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 152849
Prep Batch: 153053

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel (C10-C28)	ND		5.0		mg/Kg		05/25/21 17:01	05/25/21 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Decanoic Acid (Surr)	*0*		*0 - 1*	*05/25/21 17:01*	*05/25/21 22:50*	*1*
n-Octacosane (Surr)	*94*		*60 - 138*	*05/25/21 17:01*	*05/25/21 22:50*	*1*

Lab Sample ID: LCS 570-153053/2-B
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 152849
Prep Batch: 153053

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Diesel (C10-C28)			400	472.6		mg/Kg		118	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Decanoic Acid (Surr)	*0*		*0 - 1*
n-Octacosane (Surr)	*96*		*60 - 138*

Lab Sample ID: LCSD 570-153053/3-B
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 152849
Prep Batch: 153053

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Diesel (C10-C28)			400	439.1		mg/Kg		110	80 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Decanoic Acid (Surr)	*0*		*0 - 1*
n-Octacosane (Surr)	*96*		*60 - 138*

Lab Sample ID: 570-59980-4 MS
Client Sample ID: B-2 (2.5')
Matrix: Solid
Prep Type: Silica Gel Cleanup
Analysis Batch: 152849
Prep Batch: 153053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Diesel (C10-C28)	ND		398	468.9		mg/Kg		118	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Decanoic Acid (Surr)	*0*		*0 - 1*
n-Octacosane (Surr)	*98*		*60 - 138*

Lab Sample ID: 570-59980-4 MSD
Client Sample ID: B-2 (2.5')
Matrix: Solid
Prep Type: Silica Gel Cleanup
Analysis Batch: 152849
Prep Batch: 153053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Diesel (C10-C28)	ND		399	442.8		mg/Kg		111	43 - 165	6	35

Method: 8015B - Diesel Range Organics (DRO) with Silica Gel Cleanup (Continued)

Lab Sample ID: 570-59980-4 MSD
Matrix: Solid
Analysis Batch: 152849

Client Sample ID: B-2 (2.5')
Prep Type: Silica Gel Cleanup
Prep Batch: 153053

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Decanoic Acid (Surr)	*0*		*0 - 1*
n-Octacosane (Surr)	*100*		*60 - 138*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-152785/1-A
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 152785

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
4,4'-DDE	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
4,4'-DDT	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Aldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
alpha-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
alpha-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
beta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Chlordane	ND		25		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
delta-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Dieldrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endosulfan I	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endosulfan II	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endosulfan sulfate	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endrin	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endrin aldehyde	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Endrin ketone	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
gamma-Chlordane	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
gamma-BHC	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Heptachlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Heptachlor epoxide	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Methoxychlor	ND		5.0		ug/Kg		05/25/21 07:38	05/25/21 13:36	1
Toxaphene	ND		25		ug/Kg		05/25/21 07:38	05/25/21 13:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*103*		*38 - 148*	*05/25/21 07:38*	*05/25/21 13:36*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*37 - 151*	*05/25/21 07:38*	*05/25/21 13:36*	*1*

Lab Sample ID: LCS 570-152785/2-A
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152785

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			25.0	28.63		ug/Kg		115	54 - 154		
4,4'-DDE			25.0	28.67		ug/Kg		115	51 - 149		
4,4'-DDT			25.0	29.11		ug/Kg		116	39 - 152		
Aldrin			25.0	27.97		ug/Kg		112	52 - 138		
alpha-BHC			25.0	29.96		ug/Kg		120	51 - 140		
alpha-Chlordane			25.0	27.91		ug/Kg		112	53 - 141		

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-152785/2-A
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152785

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
beta-BHC			25.0	27.63		ug/Kg		111	53 - 141		
delta-BHC			25.0	29.59		ug/Kg		118	20 - 132		
Dieldrin			25.0	27.84		ug/Kg		111	52 - 144		
Endosulfan I			25.0	27.89		ug/Kg		112	49 - 139		
Endosulfan II			25.0	27.50		ug/Kg		110	51 - 150		
Endosulfan sulfate			25.0	29.13		ug/Kg		117	45 - 139		
Endrin			25.0	28.45		ug/Kg		114	53 - 151		
Endrin aldehyde			25.0	26.57		ug/Kg		106	31 - 146		
gamma-Chlordane			25.0	29.22		ug/Kg		117	46 - 156		
gamma-BHC			25.0	29.89		ug/Kg		120	53 - 141		
Heptachlor			25.0	28.79		ug/Kg		115	52 - 144		
Heptachlor epoxide			25.0	27.96		ug/Kg		112	54 - 141		
Methoxychlor			25.0	29.59		ug/Kg		118	47 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*107*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*105*		*37 - 151*

Lab Sample ID: LCSD 570-152785/3-A
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 152785

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			25.0	27.04		ug/Kg		108	54 - 154	6	30
4,4'-DDE			25.0	27.05		ug/Kg		108	51 - 149	6	28
4,4'-DDT			25.0	27.37		ug/Kg		109	39 - 152	6	31
Aldrin			25.0	26.31		ug/Kg		105	52 - 138	6	30
alpha-BHC			25.0	28.49		ug/Kg		114	51 - 140	5	29
alpha-Chlordane			25.0	26.48		ug/Kg		106	53 - 141	5	28
beta-BHC			25.0	26.18		ug/Kg		105	53 - 141	5	29
delta-BHC			25.0	27.97		ug/Kg		112	20 - 132	6	40
Dieldrin			25.0	26.37		ug/Kg		105	52 - 144	5	28
Endosulfan I			25.0	26.60		ug/Kg		106	49 - 139	5	28
Endosulfan II			25.0	26.43		ug/Kg		106	51 - 150	4	29
Endosulfan sulfate			25.0	27.71		ug/Kg		111	45 - 139	5	30
Endrin			25.0	26.98		ug/Kg		108	53 - 151	5	29
Endrin aldehyde			25.0	25.62		ug/Kg		102	31 - 146	4	40
gamma-Chlordane			25.0	27.96		ug/Kg		112	46 - 156	4	39
gamma-BHC			25.0	28.37		ug/Kg		113	53 - 141	5	29
Heptachlor			25.0	27.27		ug/Kg		109	52 - 144	5	29
Heptachlor epoxide			25.0	26.62		ug/Kg		106	54 - 141	5	29
Methoxychlor			25.0	28.21		ug/Kg		113	47 - 148	5	29

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*102*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*100*		*37 - 151*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-59980-2 MS
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: B-1 (6.5')
Prep Type: Total/NA
Prep Batch: 152785

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.8	24.51		ug/Kg		99	27 - 144
4,4'-DDE	ND		24.8	24.56		ug/Kg		99	28 - 141
4,4'-DDT	ND		24.8	25.94		ug/Kg		105	10 - 154
Aldrin	ND		24.8	21.96		ug/Kg		89	26 - 125
alpha-BHC	ND		24.8	21.61		ug/Kg		87	24 - 125
alpha-Chlordane	ND		24.8	22.79		ug/Kg		92	17 - 144
beta-BHC	ND		24.8	19.97		ug/Kg		81	28 - 125
delta-BHC	ND		24.8	17.13		ug/Kg		69	10 - 125
Dieldrin	ND		24.8	23.29		ug/Kg		94	19 - 145
Endosulfan I	ND		24.8	22.66		ug/Kg		91	25 - 125
Endosulfan II	ND		24.8	23.19		ug/Kg		94	13 - 142
Endosulfan sulfate	ND		24.8	17.93		ug/Kg		72	14 - 126
Endrin	ND		24.8	23.65		ug/Kg		95	28 - 139
Endrin aldehyde	ND		24.8	25.65		ug/Kg		103	12 - 125
gamma-Chlordane	ND		24.8	23.90		ug/Kg		96	10 - 160
gamma-BHC	ND		24.8	20.46		ug/Kg		83	24 - 125
Heptachlor	ND		24.8	23.02		ug/Kg		93	19 - 127
Heptachlor epoxide	ND		24.8	22.97		ug/Kg		93	33 - 123
Methoxychlor	ND		24.8	25.55		ug/Kg		103	19 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*88*		*37 - 151*

Lab Sample ID: 570-59980-2 MSD
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: B-1 (6.5')
Prep Type: Total/NA
Prep Batch: 152785

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.9	27.84		ug/Kg		112	27 - 144	13	40
4,4'-DDE	ND		24.9	28.07		ug/Kg		113	28 - 141	13	32
4,4'-DDT	ND		24.9	29.24		ug/Kg		118	10 - 154	12	40
Aldrin	ND		24.9	25.72		ug/Kg		103	26 - 125	16	40
alpha-BHC	ND		24.9	26.74		ug/Kg		108	24 - 125	21	40
alpha-Chlordane	ND		24.9	26.75		ug/Kg		108	17 - 144	16	40
beta-BHC	ND		24.9	25.22		ug/Kg		101	28 - 125	23	39
delta-BHC	ND		24.9	23.72		ug/Kg		95	10 - 125	32	40
Dieldrin	ND		24.9	27.10		ug/Kg		109	19 - 145	15	39
Endosulfan I	ND		24.9	26.27		ug/Kg		106	25 - 125	15	39
Endosulfan II	ND		24.9	27.15		ug/Kg		109	13 - 142	16	40
Endosulfan sulfate	ND		24.9	26.43		ug/Kg		106	14 - 126	38	38
Endrin	ND		24.9	27.39		ug/Kg		110	28 - 139	15	40
Endrin aldehyde	ND		24.9	27.17		ug/Kg		109	12 - 125	6	40
gamma-Chlordane	ND		24.9	27.32		ug/Kg		110	10 - 160	13	40
gamma-BHC	ND		24.9	26.33		ug/Kg		106	24 - 125	25	40
Heptachlor	ND		24.9	26.74		ug/Kg		108	19 - 127	15	40
Heptachlor epoxide	ND		24.9	27.22		ug/Kg		109	33 - 123	17	34
Methoxychlor	ND		24.9	29.16		ug/Kg		117	19 - 128	13	40

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-59980-2 MSD
Matrix: Solid
Analysis Batch: 152731

Client Sample ID: B-1 (6.5')
Prep Type: Total/NA
Prep Batch: 152785

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*96*		*38 - 148*
DCB Decachlorobiphenyl (Surr)	*106*		*37 - 151*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-152843/1-A
Matrix: Solid
Analysis Batch: 152987

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 152843

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.00		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Arsenic	ND		2.50		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Barium	ND		0.500		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Cadmium	ND		0.500		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Chromium	ND		1.00		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Lead	ND		5.00		mg/Kg		05/25/21 09:00	05/25/21 11:55	1
Selenium	ND		5.00		mg/Kg		05/25/21 09:00	05/25/21 11:55	1

Lab Sample ID: LCS 570-152843/2-A
Matrix: Solid
Analysis Batch: 152987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver			12.3	11.21		mg/Kg		91	80 - 120		
Arsenic			24.6	24.08		mg/Kg		98	80 - 120		
Barium			24.6	26.65		mg/Kg		108	80 - 120		
Cadmium			24.6	25.22		mg/Kg		102	80 - 120		
Chromium			24.6	25.97		mg/Kg		105	80 - 120		
Lead			24.6	24.29		mg/Kg		99	80 - 120		
Selenium			24.6	24.04		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 570-152843/3-A
Matrix: Solid
Analysis Batch: 152987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 152843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			12.2	11.00		mg/Kg		90	80 - 120	2	20
Arsenic			24.4	23.93		mg/Kg		98	80 - 120	1	20
Barium			24.4	26.00		mg/Kg		107	80 - 120	2	20
Cadmium			24.4	24.98		mg/Kg		102	80 - 120	1	20
Chromium			24.4	25.24		mg/Kg		104	80 - 120	3	20
Lead			24.4	24.03		mg/Kg		99	80 - 120	1	20
Selenium			24.4	23.60		mg/Kg		97	80 - 120	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-152837/1-A
Matrix: Solid
Analysis Batch: 153027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 152837

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		05/25/21 09:00	05/25/21 11:30	1

Lab Sample ID: LCS 570-152837/2-A
Matrix: Solid
Analysis Batch: 153027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.7734		mg/Kg		94	85 - 121		

Lab Sample ID: LCSD 570-152837/3-A
Matrix: Solid
Analysis Batch: 153027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 152837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.7958		mg/Kg		95	85 - 121	3	10

GC/MS VOA

Analysis Batch: 152750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	8260B	152756
570-59980-4	B-2 (2.5')	Total/NA	Solid	8260B	152756
570-59980-7	B-4 (2.5')	Total/NA	Solid	8260B	152756
570-59980-10	B-5 (2.5')	Total/NA	Solid	8260B	152756
570-59980-12	B-6 (0.5')	Total/NA	Solid	8260B	152756
570-59980-13	B-6 (2.5')	Total/NA	Solid	8260B	152756
570-59980-14	B-6 (5')	Total/NA	Solid	8260B	152756
MB 570-152750/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-152750/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-152750/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 152756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	5035	
570-59980-4	B-2 (2.5')	Total/NA	Solid	5035	
570-59980-7	B-4 (2.5')	Total/NA	Solid	5035	
570-59980-10	B-5 (2.5')	Total/NA	Solid	5035	
570-59980-12	B-6 (0.5')	Total/NA	Solid	5035	
570-59980-13	B-6 (2.5')	Total/NA	Solid	5035	
570-59980-14	B-6 (5')	Total/NA	Solid	5035	

GC VOA

Prep Batch: 152756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	5035	
570-59980-4	B-2 (2.5')	Total/NA	Solid	5035	
570-59980-7	B-4 (2.5')	Total/NA	Solid	5035	
570-59980-10	B-5 (2.5')	Total/NA	Solid	5035	
570-59980-12	B-6 (0.5')	Total/NA	Solid	5035	
570-59980-13	B-6 (2.5')	Total/NA	Solid	5035	
570-59980-14	B-6 (5')	Total/NA	Solid	5035	

Analysis Batch: 152806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	8015B	152756
570-59980-4	B-2 (2.5')	Total/NA	Solid	8015B	152756
570-59980-7	B-4 (2.5')	Total/NA	Solid	8015B	152756
570-59980-10	B-5 (2.5')	Total/NA	Solid	8015B	152756
570-59980-12	B-6 (0.5')	Total/NA	Solid	8015B	152756
570-59980-13	B-6 (2.5')	Total/NA	Solid	8015B	152756
570-59980-14	B-6 (5')	Total/NA	Solid	8015B	152756
MB 570-152806/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-152806/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-152806/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Analysis Batch: 152731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	8081A	152785
570-59980-4	B-2 (2.5')	Total/NA	Solid	8081A	152785

GC Semi VOA (Continued)

Analysis Batch: 152731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-7	B-4 (2.5')	Total/NA	Solid	8081A	152785
570-59980-10	B-5 (2.5')	Total/NA	Solid	8081A	152785
570-59980-12	B-6 (0.5')	Total/NA	Solid	8081A	152785
570-59980-13	B-6 (2.5')	Total/NA	Solid	8081A	152785
570-59980-14	B-6 (5')	Total/NA	Solid	8081A	152785
MB 570-152785/1-A	Method Blank	Total/NA	Solid	8081A	152785
LCS 570-152785/2-A	Lab Control Sample	Total/NA	Solid	8081A	152785
LCSD 570-152785/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	152785
570-59980-2 MS	B-1 (6.5')	Total/NA	Solid	8081A	152785
570-59980-2 MSD	B-1 (6.5')	Total/NA	Solid	8081A	152785

Prep Batch: 152785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	3546	
570-59980-4	B-2 (2.5')	Total/NA	Solid	3546	
570-59980-7	B-4 (2.5')	Total/NA	Solid	3546	
570-59980-10	B-5 (2.5')	Total/NA	Solid	3546	
570-59980-12	B-6 (0.5')	Total/NA	Solid	3546	
570-59980-13	B-6 (2.5')	Total/NA	Solid	3546	
570-59980-14	B-6 (5')	Total/NA	Solid	3546	
MB 570-152785/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-152785/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-152785/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-59980-2 MS	B-1 (6.5')	Total/NA	Solid	3546	
570-59980-2 MSD	B-1 (6.5')	Total/NA	Solid	3546	

Analysis Batch: 152849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-2	B-1 (6.5')	Total/NA	Solid	8015B	153034
570-59980-4	B-2 (2.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-4	B-2 (2.5')	Total/NA	Solid	8015B	153034
570-59980-7	B-4 (2.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-7	B-4 (2.5')	Total/NA	Solid	8015B	153034
570-59980-10	B-5 (2.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-10	B-5 (2.5')	Total/NA	Solid	8015B	153034
570-59980-12	B-6 (0.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-12	B-6 (0.5')	Total/NA	Solid	8015B	153034
570-59980-13	B-6 (2.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-13	B-6 (2.5')	Total/NA	Solid	8015B	153034
570-59980-14	B-6 (5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-14	B-6 (5')	Total/NA	Solid	8015B	153034
MB 570-153034/1-A	Method Blank	Total/NA	Solid	8015B	153034
MB 570-153053/1-B	Method Blank	Total/NA	Solid	8015B	153054
LCS 570-153034/2-A	Lab Control Sample	Total/NA	Solid	8015B	153034
LCS 570-153034/6-A	Lab Control Sample	Total/NA	Solid	8015B	153034
LCS 570-153053/2-B	Lab Control Sample	Total/NA	Solid	8015B	153054
LCSD 570-153034/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	153034
LCSD 570-153034/7-A	Lab Control Sample Dup	Total/NA	Solid	8015B	153034
LCSD 570-153053/3-B	Lab Control Sample Dup	Total/NA	Solid	8015B	153054
570-59980-4 MS	B-2 (2.5')	Silica Gel Cleanup	Solid	8015B	153054

GC Semi VOA (Continued)

Analysis Batch: 152849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-4 MS	B-2 (2.5')	Total/NA	Solid	8015B	153034
570-59980-4 MS	B-2 (2.5')	Total/NA	Solid	8015B	153034
570-59980-4 MSD	B-2 (2.5')	Silica Gel Cleanup	Solid	8015B	153054
570-59980-4 MSD	B-2 (2.5')	Total/NA	Solid	8015B	153034
570-59980-4 MSD	B-2 (2.5')	Total/NA	Solid	8015B	153034

Prep Batch: 153034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	3550C	
570-59980-4	B-2 (2.5')	Total/NA	Solid	3550C	
570-59980-7	B-4 (2.5')	Total/NA	Solid	3550C	
570-59980-10	B-5 (2.5')	Total/NA	Solid	3550C	
570-59980-12	B-6 (0.5')	Total/NA	Solid	3550C	
570-59980-13	B-6 (2.5')	Total/NA	Solid	3550C	
570-59980-14	B-6 (5')	Total/NA	Solid	3550C	
MB 570-153034/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-153034/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-153034/6-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-153034/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
LCSD 570-153034/7-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-59980-4 MS	B-2 (2.5')	Total/NA	Solid	3550C	
570-59980-4 MS	B-2 (2.5')	Total/NA	Solid	3550C	
570-59980-4 MSD	B-2 (2.5')	Total/NA	Solid	3550C	
570-59980-4 MSD	B-2 (2.5')	Total/NA	Solid	3550C	

Prep Batch: 153053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-4	B-2 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-7	B-4 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-10	B-5 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-12	B-6 (0.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-13	B-6 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-14	B-6 (5')	Silica Gel Cleanup	Solid	3550C SGC	
MB 570-153053/1-B	Method Blank	Total/NA	Solid	3550C SGC	
LCS 570-153053/2-B	Lab Control Sample	Total/NA	Solid	3550C SGC	
LCSD 570-153053/3-B	Lab Control Sample Dup	Total/NA	Solid	3550C SGC	
570-59980-4 MS	B-2 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	
570-59980-4 MSD	B-2 (2.5')	Silica Gel Cleanup	Solid	3550C SGC	

Cleanup Batch: 153054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-4	B-2 (2.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-7	B-4 (2.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-10	B-5 (2.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-12	B-6 (0.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-13	B-6 (2.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-14	B-6 (5')	Silica Gel Cleanup	Solid	3630C	153053
MB 570-153053/1-B	Method Blank	Total/NA	Solid	3630C	153053
LCS 570-153053/2-B	Lab Control Sample	Total/NA	Solid	3630C	153053

GC Semi VOA (Continued)

Cleanup Batch: 153054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-153053/3-B	Lab Control Sample Dup	Total/NA	Solid	3630C	153053
570-59980-4 MS	B-2 (2.5')	Silica Gel Cleanup	Solid	3630C	153053
570-59980-4 MSD	B-2 (2.5')	Silica Gel Cleanup	Solid	3630C	153053

Metals

Prep Batch: 152837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	7471A	
570-59980-4	B-2 (2.5')	Total/NA	Solid	7471A	
570-59980-7	B-4 (2.5')	Total/NA	Solid	7471A	
570-59980-10	B-5 (2.5')	Total/NA	Solid	7471A	
570-59980-12	B-6 (0.5')	Total/NA	Solid	7471A	
570-59980-13	B-6 (2.5')	Total/NA	Solid	7471A	
570-59980-14	B-6 (5')	Total/NA	Solid	7471A	
MB 570-152837/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-152837/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-152837/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 152843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	3050B	
570-59980-4	B-2 (2.5')	Total/NA	Solid	3050B	
570-59980-7	B-4 (2.5')	Total/NA	Solid	3050B	
570-59980-10	B-5 (2.5')	Total/NA	Solid	3050B	
570-59980-12	B-6 (0.5')	Total/NA	Solid	3050B	
570-59980-13	B-6 (2.5')	Total/NA	Solid	3050B	
570-59980-14	B-6 (5')	Total/NA	Solid	3050B	
MB 570-152843/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-152843/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-152843/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 152987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	6010B	152843
570-59980-4	B-2 (2.5')	Total/NA	Solid	6010B	152843
570-59980-7	B-4 (2.5')	Total/NA	Solid	6010B	152843
570-59980-10	B-5 (2.5')	Total/NA	Solid	6010B	152843
570-59980-12	B-6 (0.5')	Total/NA	Solid	6010B	152843
570-59980-13	B-6 (2.5')	Total/NA	Solid	6010B	152843
570-59980-14	B-6 (5')	Total/NA	Solid	6010B	152843
MB 570-152843/1-A	Method Blank	Total/NA	Solid	6010B	152843
LCS 570-152843/2-A	Lab Control Sample	Total/NA	Solid	6010B	152843
LCSD 570-152843/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	152843

Analysis Batch: 153027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-2	B-1 (6.5')	Total/NA	Solid	7471A	152837
570-59980-4	B-2 (2.5')	Total/NA	Solid	7471A	152837
570-59980-7	B-4 (2.5')	Total/NA	Solid	7471A	152837
570-59980-10	B-5 (2.5')	Total/NA	Solid	7471A	152837

Metals (Continued)

Analysis Batch: 153027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59980-12	B-6 (0.5')	Total/NA	Solid	7471A	152837
570-59980-13	B-6 (2.5')	Total/NA	Solid	7471A	152837
570-59980-14	B-6 (5')	Total/NA	Solid	7471A	152837
MB 570-152837/1-A	Method Blank	Total/NA	Solid	7471A	152837
LCS 570-152837/2-A	Lab Control Sample	Total/NA	Solid	7471A	152837
LCSD 570-152837/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	152837

Client Sample ID: B-1 (6.5')
Lab Sample ID: 570-59980-2

Date Collected: 05/24/21 15:55
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.32 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 02:19	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			10.858 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 11:20	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			10.10 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 05:44	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			10.10 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/25/21 23:11	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.14 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 15:58	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.99 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:28	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 11:56	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-2 (2.5')
Lab Sample ID: 570-59980-4

Date Collected: 05/24/21 14:30
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.142 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 02:45	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			10.554 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 11:43	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			10.10 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 06:06	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			10.10 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/25/21 23:31	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.23 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 16:12	UHHN	ECL 1
	Instrument ID: GC44									

Client Sample ID: B-2 (2.5')
Lab Sample ID: 570-59980-4
Date Collected: 05/24/21 14:30
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.95 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:30	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 11:58	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-4 (2.5')
Lab Sample ID: 570-59980-7
Date Collected: 05/24/21 11:25
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.196 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 03:11	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			10.56 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 12:07	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			9.98 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 06:27	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			9.98 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/25/21 23:51	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.08 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 16:26	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.99 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:32	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 12:00	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-5 (2.5')
Lab Sample ID: 570-59980-10
Date Collected: 05/24/21 12:10
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.191 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 03:37	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			10.899 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 12:31	A9VE	ECL 2
	Instrument ID: GC53									

Lab Chronicle

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: B-5 (2.5')
Lab Sample ID: 570-59980-10
Date Collected: 05/24/21 12:10
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550C SGC			10.01 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 06:47	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			10.01 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/26/21 00:12	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.09 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 16:41	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.91 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:34	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.57 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 12:01	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-6 (0.5')
Lab Sample ID: 570-59980-12
Date Collected: 05/24/21 13:20
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.317 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 04:55	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			8.881 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 12:54	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			9.91 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		20			152849	05/26/21 07:07	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			9.91 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		20			152849	05/26/21 00:32	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.11 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		10			152731	05/25/21 15:44	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.90 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:37	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.61 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 12:03	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-6 (2.5')
Lab Sample ID: 570-59980-13

Date Collected: 05/24/21 13:10
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.101 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 04:02	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			10.831 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 13:18	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			10.15 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 07:28	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			10.15 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/26/21 00:54	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			20.24 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 16:55	UHHN	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:39	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.60 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 12:05	UWCT	ECL 1
	Instrument ID: HG8									

Client Sample ID: B-6 (5')
Lab Sample ID: 570-59980-14

Date Collected: 05/24/21 13:00
Matrix: Solid
Date Received: 05/24/21 17:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.099 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	152750	05/25/21 04:29	N1A	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			9.97 g	5 g	152756	05/24/21 20:14	P4DI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	152806	05/25/21 13:42	A9VE	ECL 2
	Instrument ID: GC53									
Silica Gel Cleanup	Prep	3550C SGC			10.12 g	10 mL	153053	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Cleanup	3630C			1 g	1 mL	153054	05/25/21 17:01	N5Y3	ECL 1
Silica Gel Cleanup	Analysis	8015B		1			152849	05/26/21 07:49	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3550C			10.12 g	10 mL	153034	05/25/21 17:01	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			152849	05/26/21 09:32	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3546			19.99 g	10 mL	152785	05/25/21 07:38	F7UI	ECL 1
Total/NA	Analysis	8081A		1			152731	05/25/21 17:09	UHHN	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: B-6 (5')
Date Collected: 05/24/21 13:00
Date Received: 05/24/21 17:57

Lab Sample ID: 570-59980-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	100 mL	152843	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			152987	05/25/21 12:41	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			.59 g	100 mL	152837	05/25/21 09:00	WL8G	ECL 1
Total/NA	Analysis	7471A		1			153027	05/25/21 12:07	UWCT	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) with Silica Gel Cleanup	SW846	ECL 1
8015B	Oil Range Organics (ORO)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
3550C SGC	Ultrasonic Extraction	SW846	ECL 1
3630C	Silica Gel Cleanup	SW846	ECL 1
5035	Closed System Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: AECOM
Job ID: 570-59980-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-59980-2	B-1 (6.5')	Solid	05/24/21 15:55	05/24/21 17:57	
570-59980-4	B-2 (2.5')	Solid	05/24/21 14:30	05/24/21 17:57	
570-59980-7	B-4 (2.5')	Solid	05/24/21 11:25	05/24/21 17:57	
570-59980-10	B-5 (2.5')	Solid	05/24/21 12:10	05/24/21 17:57	
570-59980-12	B-6 (0.5')	Solid	05/24/21 13:20	05/24/21 17:57	
570-59980-13	B-6 (2.5')	Solid	05/24/21 13:10	05/24/21 17:57	
570-59980-14	B-6 (5')	Solid	05/24/21 13:00	05/24/21 17:57	

Eurofins Calscience Garden Grove
7440 Lincoln Way
Garden Grove CA 92841
Phone (714) 892-5626

Chain-of-Custody Record

570-59980 Chain of Custody

59980

eurofins

Client Information	Sampler	Lab PM	COC No
	Kevin Theimer	Patel, Vikas	1 OF 2
Client Contact: Gary Hann	Phone: 920-574-8364	E-Mail: Vikas.Patel@Eurofinset.com	Page: Page 1 of 1
Company: AECOM			Job #:
Address: 999 Town and Country Road	Due Date Requested		
City: Orange	TAT Requested (days): 24 HOURS		
State, Zip: CA 92868	PO #: N/A		
Phone: 714-567-2750	WO #: N/A		
Email: gary.hann@aecom.com	Project #: 60659871.01		
Project Name: Bloomington Limited Phase II ESA	SSOW#: N/A		
Site: Bloomington			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B - NaOH	N None
C - Zn Acetate	O AsNaO2
D - Nitric Acid	P Na2O4S
E NaHSO4	Q Na2SO3
F - MeOH	R Na2S2O3
G - Amchlor	S - H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I - Ice	U Acetone
J - DI Water	V MCAA
K - EDTA	W pH 4-5
L - EDA	Z other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPH as Gasoline (8015B Mod)	TPH as Diesel (8015B Mod w/ Silica Gel Cleanup)	TPH as Motor Oil (8015B Mod)	VOCs (8260B)	Organochlorine Pesticides (8081A)	RCRA Metals (6010B / 7471A)	Total Number of containers	Special Instructions/Note
				Preservation Code:											
1	B-1 (4')	5/24/21	1545	G	S			X	X	X	X	X	X	6	HOLD
2	B-1 (6.5')		1555												
3	B-1 (9')		1605												HOLD
4	B-2 (2.5')		1430												
5	B-2 (5')		1435												HOLD
6	B-4 (0.5')		1135												HOLD
7	B-4 (2.5')		1125												
8	B-4 (5')		1115												HOLD
9	B-5 (0.5')		1220												HOLD
10	B-5 (2.5')		1210												

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: PLEASE INCLUDE PROJECT NO. (60659871.01) AND PM EMAIL (WILLIAM.BOCK@AECOM.COM) ON INVOICE.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KEVIN THEIMER	5/24/21 @1630	AECOM		5/24/21 @1630	AECOM
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5/24/21 @1757	AECOM		5-24-2021 17:57	ECI

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 4.5 / 4.9 SCS

Ver 01 16 2019

5/26/2021

59980

Eurofins Calscience Garden Grove
7440 Lincoln Way
Garden Grove CA 92841
Phone (714) 892-5626

eurofins

Chain-of-Custody Record

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Gary Hann	Kevin Theimer	Patel, Vikas		2 OF 2
Company: AECOM	Phone: 920-574-8364	E-Mail: Vikas.Patel@Eurofinset.com		Page: Page 1 of 1
Address: 999 Town and Country Road	Due Date Requested	Analysis Requested		Job #
City: Orange	TAT Requested (days): 24 HOURS			
State, Zip: CA 92868	PO #: N/A			
Phone: 714-567-2750	WO #: N/A			
Email: gary.hann@aecom.com	Project #: 60659871.01			
Project Name: Bloomington Limited Phase II ESA	SSOW#: N/A			
Site: Bloomington				

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U Acetone, V - MCAA, W - pH 4-5, Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPH as Gasoline (8015B Mod)	TPH as Diesel (8015B Mod w/ Silica Gel Cleanup)	TPH as Motor Oil (8015B Mod)	VOCs (8260B)	Organochlorine Pesticides (8081A)	RCRA Metals (6010B / 7471A)	Total Number of containers	Special Instructions/Note
				Preservation Code:											
11	B-5 (5')	5/24/21	1200	G	S			X	X	X	X	X	X	6	HOLD
12	B-6 (0.5')		1320												
13	B-6 (2.5')		1310												
14	B-6 (5')		1300												
15	TRIP BLANKS														HOLD

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: PLEASE INCLUDE PROJECT NO. (60659871.01) AND PM EMAIL (WILLIAM.BOCK@AECOM.COM) ON INVOICE.

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
KEVIN THEIMER	5/24/21 @ 1630	AECOM		5/24/21 @ 1630	AECOM
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time 5/24/21 @ 1757	Company AECOM	Received by	Date/Time 5-24-2021 17:57	Company ECD

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Ver 01 16 2019

Login Sample Receipt Checklist

Client: AECOM

Job Number: 570-59980-1

Login Number: 59980
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience LLC

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

APPENDIX C

PURGE VOLUME CALCULATIONS

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

Project Name:	Bloomington (5-foot SV Probes)
Project Address:	Block 1 (Sites 24 & 30); Block 2 (Site 18)
	Bloomington, CA

3 Purge Volumes	Purging Time
1690 cc	8.46 min.

Form Completed By: Gary Hann

Well Construction Inputs	
Depth of Probe (ft.)	5
Tubing Type	1/4'' Nylaflow
Boring Diameter (in.)	2.25
Sand Pack Height (ft.)	1
Dry Bentonite Height (ft.)	1

Purging Rate (cc/min)	200

Default Parameters	
Above Ground Tubing (ft.)	5
Sand Porosity	35%
Bentonite Porosity	30%

Former Soil Gas Advisory Calculations

Purge Number	Purge Volume	Purging Time
1	564 cc	2.82 min.
3	1690 cc	8.46 min.
7	3950 cc	19.7 min.
10	5640 cc	28.2 min.

Tubing Vol.	Sand Pack Vol.	Dry Bent. Vol.
55.8 cc	274 cc	235 cc

** Purging times greater than one minute are notated in fractions of a minute (e.g. 7.20 min. = 7 min. & 12 sec.)

APPENDIX D

LABORATORY REPORT AND CHAIN-OF-CUSTODY RECORD FOR SOIL VAPOR SAMPLES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-59978-1
Client Project/Site: Bloomington Limited Phase II ESA / 60659871.01
Revision: 1

For:
AECOM
999 W. Town & Country Road
Orange, California 92868

Attn: Gary Hann

Vik Patel

Authorized for release by:
5/26/2021 10:40:31 AM

Vikas Patel, Project Manager I
(714)895-5494
vikas.patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Qualifiers

Air - GC/MS VOA

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

Glossary

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

Job ID: 570-59978-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-59978-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 5/25/2021. The report (revision 1) is being revised due to: a change request to also provided results in ug/m3.

Receipt
The samples were received on 5/24/2021 5:56 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

Detection Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: SB-1 — Lab Sample ID: 570-59978-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	13		5.0		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.52		0.50		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	31		12		ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SB-2 — Lab Sample ID: 570-59978-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	12		5.0		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.53		0.50		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	27		12		ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SB-4 — Lab Sample ID: 570-59978-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	12		5.0		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.57		0.50		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	29		12		ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SB-5 — Lab Sample ID: 570-59978-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	15		5.0		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.57		0.50		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	37		12		ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SB-6 — Lab Sample ID: 570-59978-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	16		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.52		0.50		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.60		0.50		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	38		12		ug/m3	1		TO-15	Total/NA
Benzene	1.6		1.6		ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: SB-1
Date Collected: 05/24/21 15:45
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Lab Sample ID: 570-59978-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/25/21 04:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/25/21 04:30	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/25/21 04:30	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/25/21 04:30	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/25/21 04:30	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/25/21 04:30	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/25/21 04:30	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/25/21 04:30	1
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
2-Butanone	ND		1.5		ppb v/v			05/25/21 04:30	1
2-Hexanone	ND		1.5		ppb v/v			05/25/21 04:30	1
4-Ethyltoluene	ND		0.50		ppb v/v			05/25/21 04:30	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/25/21 04:30	1
Acetone	**13**		5.0		ppb v/v			05/25/21 04:30	1
Benzene	ND		0.50		ppb v/v			05/25/21 04:30	1
Benzyl chloride	ND		1.5		ppb v/v			05/25/21 04:30	1
Bromodichloromethane	ND		0.50		ppb v/v			05/25/21 04:30	1
Bromoform	ND		0.50		ppb v/v			05/25/21 04:30	1
Bromomethane	ND		0.50		ppb v/v			05/25/21 04:30	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 04:30	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/25/21 04:30	1
Carbon disulfide	ND		5.0		ppb v/v			05/25/21 04:30	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/25/21 04:30	1
Chlorobenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
Chloroethane	ND		0.50		ppb v/v			05/25/21 04:30	1
Chloroform	ND		0.50		ppb v/v			05/25/21 04:30	1
Chloromethane	**0.52**		0.50		ppb v/v			05/25/21 04:30	1
Dibromochloromethane	ND		0.50		ppb v/v			05/25/21 04:30	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/25/21 04:30	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/25/21 04:30	1
Ethylbenzene	ND		0.50		ppb v/v			05/25/21 04:30	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/25/21 04:30	1
Isopropanol	ND		50		ppb v/v			05/25/21 04:30	1
Methylene Chloride	ND		5.0		ppb v/v			05/25/21 04:30	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/25/21 04:30	1
n-Butylbenzene	ND		1.5		ppb v/v			05/25/21 04:30	1
o-Xylene	ND		0.50		ppb v/v			05/25/21 04:30	1
m,p-Xylene	ND		2.0		ppb v/v			05/25/21 04:30	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/25/21 04:30	1
Styrene	ND		1.5		ppb v/v			05/25/21 04:30	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-1
Date Collected: 05/24/21 15:45
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Lab Sample ID: 570-59978-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 04:30	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/25/21 04:30	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/25/21 04:30	1
Tetrachloroethene	ND		0.50		ppb v/v			05/25/21 04:30	1
Toluene	ND		5.0		ppb v/v			05/25/21 04:30	1
Trichloroethene	ND		0.50		ppb v/v			05/25/21 04:30	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/25/21 04:30	1
Vinyl acetate	ND		2.0		ppb v/v			05/25/21 04:30	1
Vinyl chloride	ND		0.50		ppb v/v			05/25/21 04:30	1

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/25/21 04:30	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/25/21 04:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/25/21 04:30	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/25/21 04:30	1
1,1-Dichloroethane	ND		2.0		ug/m3			05/25/21 04:30	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/25/21 04:30	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/25/21 04:30	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/25/21 04:30	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/25/21 04:30	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/25/21 04:30	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/25/21 04:30	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 04:30	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/25/21 04:30	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/25/21 04:30	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/25/21 04:30	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 04:30	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 04:30	1
2-Butanone	ND		4.4		ug/m3			05/25/21 04:30	1
2-Hexanone	ND		6.1		ug/m3			05/25/21 04:30	1
4-Ethyltoluene	ND		2.5		ug/m3			05/25/21 04:30	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/25/21 04:30	1
Acetone	**31**		12		ug/m3			05/25/21 04:30	1
Benzene	ND		1.6		ug/m3			05/25/21 04:30	1
Benzyl chloride	ND		7.8		ug/m3			05/25/21 04:30	1
Bromodichloromethane	ND		3.4		ug/m3			05/25/21 04:30	1
Bromoform	ND		5.2		ug/m3			05/25/21 04:30	1
Bromomethane	ND		1.9		ug/m3			05/25/21 04:30	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 04:30	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/25/21 04:30	1
Carbon disulfide	ND		16		ug/m3			05/25/21 04:30	1
Carbon tetrachloride	ND		3.1		ug/m3			05/25/21 04:30	1
Chlorobenzene	ND		2.3		ug/m3			05/25/21 04:30	1
Chloroethane	ND		1.3		ug/m3			05/25/21 04:30	1
Chloroform	ND		2.4		ug/m3			05/25/21 04:30	1
Chloromethane	**1.1**		1.0		ug/m3			05/25/21 04:30	1
Dibromochloromethane	ND		4.3		ug/m3			05/25/21 04:30	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/25/21 04:30	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/25/21 04:30	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-1
Lab Sample ID: 570-59978-1
Date Collected: 05/24/21 15:45
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.2		ug/m3			05/25/21 04:30	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/25/21 04:30	1
Isopropanol	ND		120		ug/m3			05/25/21 04:30	1
Methylene Chloride	ND		17		ug/m3			05/25/21 04:30	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/25/21 04:30	1
n-Butylbenzene	ND		8.2		ug/m3			05/25/21 04:30	1
o-Xylene	ND		2.2		ug/m3			05/25/21 04:30	1
m,p-Xylene	ND		8.7		ug/m3			05/25/21 04:30	1
sec-Butylbenzene	ND		8.2		ug/m3			05/25/21 04:30	1
Styrene	ND		6.4		ug/m3			05/25/21 04:30	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 04:30	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/25/21 04:30	1
tert-Butylbenzene	ND		8.2		ug/m3			05/25/21 04:30	1
Tetrachloroethene	ND		3.4		ug/m3			05/25/21 04:30	1
Toluene	ND		19		ug/m3			05/25/21 04:30	1
Trichloroethene	ND		2.7		ug/m3			05/25/21 04:30	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/25/21 04:30	1
Vinyl acetate	ND		7.0		ug/m3			05/25/21 04:30	1
Vinyl chloride	ND		1.3		ug/m3			05/25/21 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 131*		*05/25/21 04:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/25/21 04:30*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/25/21 04:30*	*1*

Client Sample ID: SB-2
Lab Sample ID: 570-59978-2
Date Collected: 05/24/21 15:05
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/25/21 06:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/25/21 06:17	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/25/21 06:17	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/25/21 06:17	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/25/21 06:17	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/25/21 06:17	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/25/21 06:17	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/25/21 06:17	1
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
2-Butanone	ND		1.5		ppb v/v			05/25/21 06:17	1
2-Hexanone	ND		1.5		ppb v/v			05/25/21 06:17	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-2
Date Collected: 05/24/21 15:05
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Lab Sample ID: 570-59978-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		0.50		ppb v/v			05/25/21 06:17	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/25/21 06:17	1
Acetone	**12**		5.0		ppb v/v			05/25/21 06:17	1
Benzene	ND		0.50		ppb v/v			05/25/21 06:17	1
Benzyl chloride	ND		1.5		ppb v/v			05/25/21 06:17	1
Bromodichloromethane	ND		0.50		ppb v/v			05/25/21 06:17	1
Bromoform	ND		0.50		ppb v/v			05/25/21 06:17	1
Bromomethane	ND		0.50		ppb v/v			05/25/21 06:17	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 06:17	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/25/21 06:17	1
Carbon disulfide	ND		5.0		ppb v/v			05/25/21 06:17	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/25/21 06:17	1
Chlorobenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
Chloroethane	ND		0.50		ppb v/v			05/25/21 06:17	1
Chloroform	ND		0.50		ppb v/v			05/25/21 06:17	1
Chloromethane	**0.53**		0.50		ppb v/v			05/25/21 06:17	1
Dibromochloromethane	ND		0.50		ppb v/v			05/25/21 06:17	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/25/21 06:17	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/25/21 06:17	1
Ethylbenzene	ND		0.50		ppb v/v			05/25/21 06:17	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/25/21 06:17	1
Isopropanol	ND		50		ppb v/v			05/25/21 06:17	1
Methylene Chloride	ND		5.0		ppb v/v			05/25/21 06:17	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/25/21 06:17	1
n-Butylbenzene	ND		1.5		ppb v/v			05/25/21 06:17	1
o-Xylene	ND		0.50		ppb v/v			05/25/21 06:17	1
m,p-Xylene	ND		2.0		ppb v/v			05/25/21 06:17	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/25/21 06:17	1
Styrene	ND		1.5		ppb v/v			05/25/21 06:17	1
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 06:17	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/25/21 06:17	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/25/21 06:17	1
Tetrachloroethene	ND		0.50		ppb v/v			05/25/21 06:17	1
Toluene	ND		5.0		ppb v/v			05/25/21 06:17	1
Trichloroethene	ND		0.50		ppb v/v			05/25/21 06:17	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/25/21 06:17	1
Vinyl acetate	ND		2.0		ppb v/v			05/25/21 06:17	1
Vinyl chloride	ND		0.50		ppb v/v			05/25/21 06:17	1

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/25/21 06:17	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/25/21 06:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/25/21 06:17	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/25/21 06:17	1
1,1-Dichloroethane	ND		2.0		ug/m3			05/25/21 06:17	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/25/21 06:17	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/25/21 06:17	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/25/21 06:17	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/25/21 06:17	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-2
Lab Sample ID: 570-59978-2
Date Collected: 05/24/21 15:05
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/25/21 06:17	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/25/21 06:17	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 06:17	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/25/21 06:17	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/25/21 06:17	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/25/21 06:17	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 06:17	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 06:17	1
2-Butanone	ND		4.4		ug/m3			05/25/21 06:17	1
2-Hexanone	ND		6.1		ug/m3			05/25/21 06:17	1
4-Ethyltoluene	ND		2.5		ug/m3			05/25/21 06:17	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/25/21 06:17	1
Acetone	**27**		12		ug/m3			05/25/21 06:17	1
Benzene	ND		1.6		ug/m3			05/25/21 06:17	1
Benzyl chloride	ND		7.8		ug/m3			05/25/21 06:17	1
Bromodichloromethane	ND		3.4		ug/m3			05/25/21 06:17	1
Bromoform	ND		5.2		ug/m3			05/25/21 06:17	1
Bromomethane	ND		1.9		ug/m3			05/25/21 06:17	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 06:17	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/25/21 06:17	1
Carbon disulfide	ND		16		ug/m3			05/25/21 06:17	1
Carbon tetrachloride	ND		3.1		ug/m3			05/25/21 06:17	1
Chlorobenzene	ND		2.3		ug/m3			05/25/21 06:17	1
Chloroethane	ND		1.3		ug/m3			05/25/21 06:17	1
Chloroform	ND		2.4		ug/m3			05/25/21 06:17	1
Chloromethane	**1.1**		1.0		ug/m3			05/25/21 06:17	1
Dibromochloromethane	ND		4.3		ug/m3			05/25/21 06:17	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/25/21 06:17	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/25/21 06:17	1
Ethylbenzene	ND		2.2		ug/m3			05/25/21 06:17	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/25/21 06:17	1
Isopropanol	ND		120		ug/m3			05/25/21 06:17	1
Methylene Chloride	ND		17		ug/m3			05/25/21 06:17	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/25/21 06:17	1
n-Butylbenzene	ND		8.2		ug/m3			05/25/21 06:17	1
o-Xylene	ND		2.2		ug/m3			05/25/21 06:17	1
m,p-Xylene	ND		8.7		ug/m3			05/25/21 06:17	1
sec-Butylbenzene	ND		8.2		ug/m3			05/25/21 06:17	1
Styrene	ND		6.4		ug/m3			05/25/21 06:17	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 06:17	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/25/21 06:17	1
tert-Butylbenzene	ND		8.2		ug/m3			05/25/21 06:17	1
Tetrachloroethene	ND		3.4		ug/m3			05/25/21 06:17	1
Toluene	ND		19		ug/m3			05/25/21 06:17	1
Trichloroethene	ND		2.7		ug/m3			05/25/21 06:17	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/25/21 06:17	1
Vinyl acetate	ND		7.0		ug/m3			05/25/21 06:17	1
Vinyl chloride	ND		1.3		ug/m3			05/25/21 06:17	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 131		05/25/21 06:17	1
4-Bromofluorobenzene (Surr)	96		70 - 130		05/25/21 06:17	1
Toluene-d8 (Surr)	96		70 - 130		05/25/21 06:17	1

Client Sample ID: SB-4
Lab Sample ID: 570-59978-3
Date Collected: 05/24/21 11:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/25/21 08:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/25/21 08:01	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/25/21 08:01	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/25/21 08:01	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/25/21 08:01	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/25/21 08:01	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/25/21 08:01	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/25/21 08:01	1
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
2-Butanone	ND		1.5		ppb v/v			05/25/21 08:01	1
2-Hexanone	ND		1.5		ppb v/v			05/25/21 08:01	1
4-Ethyltoluene	ND		0.50		ppb v/v			05/25/21 08:01	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/25/21 08:01	1
Acetone	**12**		5.0		ppb v/v			05/25/21 08:01	1
Benzene	ND		0.50		ppb v/v			05/25/21 08:01	1
Benzyl chloride	ND		1.5		ppb v/v			05/25/21 08:01	1
Bromodichloromethane	ND		0.50		ppb v/v			05/25/21 08:01	1
Bromoform	ND		0.50		ppb v/v			05/25/21 08:01	1
Bromomethane	ND		0.50		ppb v/v			05/25/21 08:01	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 08:01	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/25/21 08:01	1
Carbon disulfide	ND		5.0		ppb v/v			05/25/21 08:01	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/25/21 08:01	1
Chlorobenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
Chloroethane	ND		0.50		ppb v/v			05/25/21 08:01	1
Chloroform	ND		0.50		ppb v/v			05/25/21 08:01	1
Chloromethane	**0.57**		0.50		ppb v/v			05/25/21 08:01	1
Dibromochloromethane	ND		0.50		ppb v/v			05/25/21 08:01	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/25/21 08:01	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/25/21 08:01	1
Ethylbenzene	ND		0.50		ppb v/v			05/25/21 08:01	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/25/21 08:01	1
Isopropanol	ND		50		ppb v/v			05/25/21 08:01	1
Methylene Chloride	ND		5.0		ppb v/v			05/25/21 08:01	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/25/21 08:01	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-4
Lab Sample ID: 570-59978-3
Date Collected: 05/24/21 11:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.5		ppb v/v			05/25/21 08:01	1
o-Xylene	ND		0.50		ppb v/v			05/25/21 08:01	1
m,p-Xylene	ND		2.0		ppb v/v			05/25/21 08:01	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/25/21 08:01	1
Styrene	ND		1.5		ppb v/v			05/25/21 08:01	1
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 08:01	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/25/21 08:01	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/25/21 08:01	1
Tetrachloroethene	ND		0.50		ppb v/v			05/25/21 08:01	1
Toluene	ND		5.0		ppb v/v			05/25/21 08:01	1
Trichloroethene	ND		0.50		ppb v/v			05/25/21 08:01	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/25/21 08:01	1
Vinyl acetate	ND		2.0		ppb v/v			05/25/21 08:01	1
Vinyl chloride	ND		0.50		ppb v/v			05/25/21 08:01	1

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/25/21 08:01	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/25/21 08:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/25/21 08:01	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/25/21 08:01	1
1,1-Dichloroethane	ND		2.0		ug/m3			05/25/21 08:01	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/25/21 08:01	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/25/21 08:01	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/25/21 08:01	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/25/21 08:01	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/25/21 08:01	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/25/21 08:01	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 08:01	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/25/21 08:01	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/25/21 08:01	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/25/21 08:01	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 08:01	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 08:01	1
2-Butanone	ND		4.4		ug/m3			05/25/21 08:01	1
2-Hexanone	ND		6.1		ug/m3			05/25/21 08:01	1
4-Ethyltoluene	ND		2.5		ug/m3			05/25/21 08:01	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/25/21 08:01	1
Acetone	**29**		12		ug/m3			05/25/21 08:01	1
Benzene	ND		1.6		ug/m3			05/25/21 08:01	1
Benzyl chloride	ND		7.8		ug/m3			05/25/21 08:01	1
Bromodichloromethane	ND		3.4		ug/m3			05/25/21 08:01	1
Bromoform	ND		5.2		ug/m3			05/25/21 08:01	1
Bromomethane	ND		1.9		ug/m3			05/25/21 08:01	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 08:01	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/25/21 08:01	1
Carbon disulfide	ND		16		ug/m3			05/25/21 08:01	1
Carbon tetrachloride	ND		3.1		ug/m3			05/25/21 08:01	1
Chlorobenzene	ND		2.3		ug/m3			05/25/21 08:01	1
Chloroethane	ND		1.3		ug/m3			05/25/21 08:01	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-4
Lab Sample ID: 570-59978-3
Date Collected: 05/24/21 11:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		2.4		ug/m3			05/25/21 08:01	1
Chloromethane	**1.2**		1.0		ug/m3			05/25/21 08:01	1
Dibromochloromethane	ND		4.3		ug/m3			05/25/21 08:01	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/25/21 08:01	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/25/21 08:01	1
Ethylbenzene	ND		2.2		ug/m3			05/25/21 08:01	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/25/21 08:01	1
Isopropanol	ND		120		ug/m3			05/25/21 08:01	1
Methylene Chloride	ND		17		ug/m3			05/25/21 08:01	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/25/21 08:01	1
n-Butylbenzene	ND		8.2		ug/m3			05/25/21 08:01	1
o-Xylene	ND		2.2		ug/m3			05/25/21 08:01	1
m,p-Xylene	ND		8.7		ug/m3			05/25/21 08:01	1
sec-Butylbenzene	ND		8.2		ug/m3			05/25/21 08:01	1
Styrene	ND		6.4		ug/m3			05/25/21 08:01	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 08:01	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/25/21 08:01	1
tert-Butylbenzene	ND		8.2		ug/m3			05/25/21 08:01	1
Tetrachloroethene	ND		3.4		ug/m3			05/25/21 08:01	1
Toluene	ND		19		ug/m3			05/25/21 08:01	1
Trichloroethene	ND		2.7		ug/m3			05/25/21 08:01	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/25/21 08:01	1
Vinyl acetate	ND		7.0		ug/m3			05/25/21 08:01	1
Vinyl chloride	ND		1.3		ug/m3			05/25/21 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 131*		*05/25/21 08:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/25/21 08:01*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/25/21 08:01*	*1*

Client Sample ID: SB-5
Lab Sample ID: 570-59978-4
Date Collected: 05/24/21 12:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/25/21 09:48	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/25/21 09:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/25/21 09:48	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/25/21 09:48	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/25/21 09:48	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/25/21 09:48	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/25/21 09:48	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/25/21 09:48	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/25/21 09:48	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/25/21 09:48	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/25/21 09:48	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/25/21 09:48	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/25/21 09:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-5
Lab Sample ID: 570-59978-4
Date Collected: 05/24/21 12:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
2-Butanone	ND		1.5		ppb v/v			05/25/21 09:48	1
2-Hexanone	ND		1.5		ppb v/v			05/25/21 09:48	1
4-Ethyltoluene	ND		0.50		ppb v/v			05/25/21 09:48	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/25/21 09:48	1
Acetone	**15**		5.0		ppb v/v			05/25/21 09:48	1
Benzene	ND		0.50		ppb v/v			05/25/21 09:48	1
Benzyl chloride	ND		1.5		ppb v/v			05/25/21 09:48	1
Bromodichloromethane	ND		0.50		ppb v/v			05/25/21 09:48	1
Bromoform	ND		0.50		ppb v/v			05/25/21 09:48	1
Bromomethane	ND		0.50		ppb v/v			05/25/21 09:48	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 09:48	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/25/21 09:48	1
Carbon disulfide	ND		5.0		ppb v/v			05/25/21 09:48	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/25/21 09:48	1
Chlorobenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
Chloroethane	ND		0.50		ppb v/v			05/25/21 09:48	1
Chloroform	ND		0.50		ppb v/v			05/25/21 09:48	1
Chloromethane	**0.57**		0.50		ppb v/v			05/25/21 09:48	1
Dibromochloromethane	ND		0.50		ppb v/v			05/25/21 09:48	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/25/21 09:48	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/25/21 09:48	1
Ethylbenzene	ND		0.50		ppb v/v			05/25/21 09:48	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/25/21 09:48	1
Isopropanol	ND		50		ppb v/v			05/25/21 09:48	1
Methylene Chloride	ND		5.0		ppb v/v			05/25/21 09:48	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/25/21 09:48	1
n-Butylbenzene	ND		1.5		ppb v/v			05/25/21 09:48	1
o-Xylene	ND		0.50		ppb v/v			05/25/21 09:48	1
m,p-Xylene	ND		2.0		ppb v/v			05/25/21 09:48	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/25/21 09:48	1
Styrene	ND		1.5		ppb v/v			05/25/21 09:48	1
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 09:48	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/25/21 09:48	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/25/21 09:48	1
Tetrachloroethene	ND		0.50		ppb v/v			05/25/21 09:48	1
Toluene	ND		5.0		ppb v/v			05/25/21 09:48	1
Trichloroethene	ND		0.50		ppb v/v			05/25/21 09:48	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/25/21 09:48	1
Vinyl acetate	ND		2.0		ppb v/v			05/25/21 09:48	1
Vinyl chloride	ND		0.50		ppb v/v			05/25/21 09:48	1

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/25/21 09:48	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/25/21 09:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/25/21 09:48	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/25/21 09:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-5
Lab Sample ID: 570-59978-4
Date Collected: 05/24/21 12:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		2.0		ug/m3			05/25/21 09:48	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/25/21 09:48	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/25/21 09:48	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/25/21 09:48	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/25/21 09:48	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/25/21 09:48	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/25/21 09:48	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 09:48	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/25/21 09:48	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/25/21 09:48	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/25/21 09:48	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 09:48	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 09:48	1
2-Butanone	ND		4.4		ug/m3			05/25/21 09:48	1
2-Hexanone	ND		6.1		ug/m3			05/25/21 09:48	1
4-Ethyltoluene	ND		2.5		ug/m3			05/25/21 09:48	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/25/21 09:48	1
Acetone	**37**		12		ug/m3			05/25/21 09:48	1
Benzene	ND		1.6		ug/m3			05/25/21 09:48	1
Benzyl chloride	ND		7.8		ug/m3			05/25/21 09:48	1
Bromodichloromethane	ND		3.4		ug/m3			05/25/21 09:48	1
Bromoform	ND		5.2		ug/m3			05/25/21 09:48	1
Bromomethane	ND		1.9		ug/m3			05/25/21 09:48	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 09:48	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/25/21 09:48	1
Carbon disulfide	ND		16		ug/m3			05/25/21 09:48	1
Carbon tetrachloride	ND		3.1		ug/m3			05/25/21 09:48	1
Chlorobenzene	ND		2.3		ug/m3			05/25/21 09:48	1
Chloroethane	ND		1.3		ug/m3			05/25/21 09:48	1
Chloroform	ND		2.4		ug/m3			05/25/21 09:48	1
Chloromethane	**1.2**		1.0		ug/m3			05/25/21 09:48	1
Dibromochloromethane	ND		4.3		ug/m3			05/25/21 09:48	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/25/21 09:48	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/25/21 09:48	1
Ethylbenzene	ND		2.2		ug/m3			05/25/21 09:48	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/25/21 09:48	1
Isopropanol	ND		120		ug/m3			05/25/21 09:48	1
Methylene Chloride	ND		17		ug/m3			05/25/21 09:48	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/25/21 09:48	1
n-Butylbenzene	ND		8.2		ug/m3			05/25/21 09:48	1
o-Xylene	ND		2.2		ug/m3			05/25/21 09:48	1
m,p-Xylene	ND		8.7		ug/m3			05/25/21 09:48	1
sec-Butylbenzene	ND		8.2		ug/m3			05/25/21 09:48	1
Styrene	ND		6.4		ug/m3			05/25/21 09:48	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 09:48	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/25/21 09:48	1
tert-Butylbenzene	ND		8.2		ug/m3			05/25/21 09:48	1
Tetrachloroethene	ND		3.4		ug/m3			05/25/21 09:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-5
Lab Sample ID: 570-59978-4
Date Collected: 05/24/21 12:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		19		ug/m3			05/25/21 09:48	1
Trichloroethene	ND		2.7		ug/m3			05/25/21 09:48	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/25/21 09:48	1
Vinyl acetate	ND		7.0		ug/m3			05/25/21 09:48	1
Vinyl chloride	ND		1.3		ug/m3			05/25/21 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 131*		*05/25/21 09:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/25/21 09:48*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/25/21 09:48*	*1*

Client Sample ID: SB-6
Lab Sample ID: 570-59978-5
Date Collected: 05/24/21 13:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/25/21 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/25/21 10:48	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/25/21 10:48	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/25/21 10:48	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/25/21 10:48	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/25/21 10:48	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/25/21 10:48	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/25/21 10:48	1
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
2-Butanone	ND		1.5		ppb v/v			05/25/21 10:48	1
2-Hexanone	ND		1.5		ppb v/v			05/25/21 10:48	1
4-Ethyltoluene	ND		0.50		ppb v/v			05/25/21 10:48	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/25/21 10:48	1
Acetone	**16**		5.0		ppb v/v			05/25/21 10:48	1
Benzene	**0.52**		0.50		ppb v/v			05/25/21 10:48	1
Benzyl chloride	ND		1.5		ppb v/v			05/25/21 10:48	1
Bromodichloromethane	ND		0.50		ppb v/v			05/25/21 10:48	1
Bromoform	ND		0.50		ppb v/v			05/25/21 10:48	1
Bromomethane	ND		0.50		ppb v/v			05/25/21 10:48	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 10:48	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/25/21 10:48	1
Carbon disulfide	ND		5.0		ppb v/v			05/25/21 10:48	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/25/21 10:48	1
Chlorobenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
Chloroethane	ND		0.50		ppb v/v			05/25/21 10:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-6
Lab Sample ID: 570-59978-5
Date Collected: 05/24/21 13:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.50		ppb v/v			05/25/21 10:48	1
Chloromethane	**0.60**		0.50		ppb v/v			05/25/21 10:48	1
Dibromochloromethane	ND		0.50		ppb v/v			05/25/21 10:48	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/25/21 10:48	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/25/21 10:48	1
Ethylbenzene	ND		0.50		ppb v/v			05/25/21 10:48	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/25/21 10:48	1
Isopropanol	ND		50		ppb v/v			05/25/21 10:48	1
Methylene Chloride	ND		5.0		ppb v/v			05/25/21 10:48	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/25/21 10:48	1
n-Butylbenzene	ND		1.5		ppb v/v			05/25/21 10:48	1
o-Xylene	ND		0.50		ppb v/v			05/25/21 10:48	1
m,p-Xylene	ND		2.0		ppb v/v			05/25/21 10:48	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/25/21 10:48	1
Styrene	ND		1.5		ppb v/v			05/25/21 10:48	1
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/25/21 10:48	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/25/21 10:48	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/25/21 10:48	1
Tetrachloroethene	ND		0.50		ppb v/v			05/25/21 10:48	1
Toluene	ND		5.0		ppb v/v			05/25/21 10:48	1
Trichloroethene	ND		0.50		ppb v/v			05/25/21 10:48	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/25/21 10:48	1
Vinyl acetate	ND		2.0		ppb v/v			05/25/21 10:48	1
Vinyl chloride	ND		0.50		ppb v/v			05/25/21 10:48	1

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/25/21 10:48	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/25/21 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/25/21 10:48	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/25/21 10:48	1
1,1-Dichloroethane	ND		2.0		ug/m3			05/25/21 10:48	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/25/21 10:48	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/25/21 10:48	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/25/21 10:48	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/25/21 10:48	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/25/21 10:48	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/25/21 10:48	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 10:48	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/25/21 10:48	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/25/21 10:48	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/25/21 10:48	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 10:48	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/25/21 10:48	1
2-Butanone	ND		4.4		ug/m3			05/25/21 10:48	1
2-Hexanone	ND		6.1		ug/m3			05/25/21 10:48	1
4-Ethyltoluene	ND		2.5		ug/m3			05/25/21 10:48	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/25/21 10:48	1
Acetone	**38**		12		ug/m3			05/25/21 10:48	1
Benzene	**1.6**		1.6		ug/m3			05/25/21 10:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SB-6
Lab Sample ID: 570-59978-5
Date Collected: 05/24/21 13:25
Matrix: Air
Date Received: 05/24/21 17:56
Sample Container: Tedlar Bag 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		7.8		ug/m3			05/25/21 10:48	1
Bromodichloromethane	ND		3.4		ug/m3			05/25/21 10:48	1
Bromoform	ND		5.2		ug/m3			05/25/21 10:48	1
Bromomethane	ND		1.9		ug/m3			05/25/21 10:48	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 10:48	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/25/21 10:48	1
Carbon disulfide	ND		16		ug/m3			05/25/21 10:48	1
Carbon tetrachloride	ND		3.1		ug/m3			05/25/21 10:48	1
Chlorobenzene	ND		2.3		ug/m3			05/25/21 10:48	1
Chloroethane	ND		1.3		ug/m3			05/25/21 10:48	1
Chloroform	ND		2.4		ug/m3			05/25/21 10:48	1
Chloromethane	**1.2**		1.0		ug/m3			05/25/21 10:48	1
Dibromochloromethane	ND		4.3		ug/m3			05/25/21 10:48	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/25/21 10:48	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/25/21 10:48	1
Ethylbenzene	ND		2.2		ug/m3			05/25/21 10:48	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/25/21 10:48	1
Isopropanol	ND		120		ug/m3			05/25/21 10:48	1
Methylene Chloride	ND		17		ug/m3			05/25/21 10:48	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/25/21 10:48	1
n-Butylbenzene	ND		8.2		ug/m3			05/25/21 10:48	1
o-Xylene	ND		2.2		ug/m3			05/25/21 10:48	1
m,p-Xylene	ND		8.7		ug/m3			05/25/21 10:48	1
sec-Butylbenzene	ND		8.2		ug/m3			05/25/21 10:48	1
Styrene	ND		6.4		ug/m3			05/25/21 10:48	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/25/21 10:48	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/25/21 10:48	1
tert-Butylbenzene	ND		8.2		ug/m3			05/25/21 10:48	1
Tetrachloroethene	ND		3.4		ug/m3			05/25/21 10:48	1
Toluene	ND		19		ug/m3			05/25/21 10:48	1
Trichloroethene	ND		2.7		ug/m3			05/25/21 10:48	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/25/21 10:48	1
Vinyl acetate	ND		7.0		ug/m3			05/25/21 10:48	1
Vinyl chloride	ND		1.3		ug/m3			05/25/21 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 131*		*05/25/21 10:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/25/21 10:48*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/25/21 10:48*	*1*

Surrogate Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		DCA	BFB	TOL						
Lab Sample ID	Client Sample ID	(70-131)	(70-130)	(70-130)						
570-59978-1	SB-1	92	96	97						
570-59978-2	SB-2	94	96	96						
570-59978-3	SB-4	94	98	96						
570-59978-4	SB-5	95	98	96						
570-59978-5	SB-6	95	100	97						
LCS 570-152643/3	Lab Control Sample	86	93	96						
LCSD 570-152643/4	Lab Control Sample Dup	85	92	95						
MB 570-152643/6	Method Blank	89	93	95						

Surrogate Legend

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

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-152643/6
Matrix: Air
Analysis Batch: 152643

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,1,2,2-Tetrachloroethane	ND		1.0		ppb v/v			05/24/21 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ppb v/v			05/24/21 18:43	1
1,1,2-Trichloroethane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,1-Dichloroethane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,1-Dichloroethene	ND		0.50		ppb v/v			05/24/21 18:43	1
1,1-Difluoroethane	ND		2.0		ppb v/v			05/24/21 18:43	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			05/24/21 18:43	1
1,2,4-Trimethylbenzene	ND		1.5		ppb v/v			05/24/21 18:43	1
1,2-Dibromo-3-Chloropropane	ND		1.5		ppb v/v			05/24/21 18:43	1
1,2-Dibromoethane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,2-Dichlorobenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
1,2-Dichloroethane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,2-Dichloropropane	ND		0.50		ppb v/v			05/24/21 18:43	1
1,3,5-Trimethylbenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
1,3-Dichlorobenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
1,4-Dichlorobenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
2-Butanone	ND		1.5		ppb v/v			05/24/21 18:43	1
2-Hexanone	ND		1.5		ppb v/v			05/24/21 18:43	1
4-Ethyltoluene	ND		0.50		ppb v/v			05/24/21 18:43	1
4-Methyl-2-pentanone	ND		1.5		ppb v/v			05/24/21 18:43	1
Acetone	ND		5.0		ppb v/v			05/24/21 18:43	1
Benzene	ND		0.50		ppb v/v			05/24/21 18:43	1
Benzyl chloride	ND		1.5		ppb v/v			05/24/21 18:43	1
Bromodichloromethane	ND		0.50		ppb v/v			05/24/21 18:43	1
Bromoform	ND		0.50		ppb v/v			05/24/21 18:43	1
Bromomethane	ND		0.50		ppb v/v			05/24/21 18:43	1
cis-1,2-Dichloroethene	ND		0.50		ppb v/v			05/24/21 18:43	1
cis-1,3-Dichloropropene	ND		0.50		ppb v/v			05/24/21 18:43	1
Carbon disulfide	ND		5.0		ppb v/v			05/24/21 18:43	1
Carbon tetrachloride	ND		0.50		ppb v/v			05/24/21 18:43	1
Chlorobenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
Chloroethane	ND		0.50		ppb v/v			05/24/21 18:43	1
Chloroform	ND		0.50		ppb v/v			05/24/21 18:43	1
Chloromethane	ND		0.50		ppb v/v			05/24/21 18:43	1
Dibromochloromethane	ND		0.50		ppb v/v			05/24/21 18:43	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			05/24/21 18:43	1
Dichlorotetrafluoroethane	ND		2.0		ppb v/v			05/24/21 18:43	1
Ethylbenzene	ND		0.50		ppb v/v			05/24/21 18:43	1
Hexachloro-1,3-butadiene	ND		1.5		ppb v/v			05/24/21 18:43	1
Isopropanol	ND		50		ppb v/v			05/24/21 18:43	1
Methylene Chloride	ND		5.0		ppb v/v			05/24/21 18:43	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ppb v/v			05/24/21 18:43	1
n-Butylbenzene	ND		1.5		ppb v/v			05/24/21 18:43	1
o-Xylene	ND		0.50		ppb v/v			05/24/21 18:43	1
m,p-Xylene	ND		2.0		ppb v/v			05/24/21 18:43	1
sec-Butylbenzene	ND		1.5		ppb v/v			05/24/21 18:43	1
Styrene	ND		1.5		ppb v/v			05/24/21 18:43	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-152643/6
Matrix: Air
Analysis Batch: 152643

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.50		ppb v/v			05/24/21 18:43	1
trans-1,3-Dichloropropene	ND		1.0		ppb v/v			05/24/21 18:43	1
tert-Butylbenzene	ND		1.5		ppb v/v			05/24/21 18:43	1
Tetrachloroethene	ND		0.50		ppb v/v			05/24/21 18:43	1
Toluene	ND		5.0		ppb v/v			05/24/21 18:43	1
Trichloroethene	ND		0.50		ppb v/v			05/24/21 18:43	1
Trichlorofluoromethane	ND		1.0		ppb v/v			05/24/21 18:43	1
Vinyl acetate	ND		2.0		ppb v/v			05/24/21 18:43	1
Vinyl chloride	ND		0.50		ppb v/v			05/24/21 18:43	1

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			05/24/21 18:43	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			05/24/21 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			05/24/21 18:43	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			05/24/21 18:43	1
1,1-Dichloroethane	ND		2.0		ug/m3			05/24/21 18:43	1
1,1-Dichloroethene	ND		2.0		ug/m3			05/24/21 18:43	1
1,1-Difluoroethane	ND		5.4		ug/m3			05/24/21 18:43	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			05/24/21 18:43	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			05/24/21 18:43	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			05/24/21 18:43	1
1,2-Dibromoethane	ND		3.8		ug/m3			05/24/21 18:43	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			05/24/21 18:43	1
1,2-Dichloroethane	ND		2.0		ug/m3			05/24/21 18:43	1
1,2-Dichloropropane	ND		2.3		ug/m3			05/24/21 18:43	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			05/24/21 18:43	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			05/24/21 18:43	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			05/24/21 18:43	1
2-Butanone	ND		4.4		ug/m3			05/24/21 18:43	1
2-Hexanone	ND		6.1		ug/m3			05/24/21 18:43	1
4-Ethyltoluene	ND		2.5		ug/m3			05/24/21 18:43	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			05/24/21 18:43	1
Acetone	ND		12		ug/m3			05/24/21 18:43	1
Benzene	ND		1.6		ug/m3			05/24/21 18:43	1
Benzyl chloride	ND		7.8		ug/m3			05/24/21 18:43	1
Bromodichloromethane	ND		3.4		ug/m3			05/24/21 18:43	1
Bromoform	ND		5.2		ug/m3			05/24/21 18:43	1
Bromomethane	ND		1.9		ug/m3			05/24/21 18:43	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			05/24/21 18:43	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			05/24/21 18:43	1
Carbon disulfide	ND		16		ug/m3			05/24/21 18:43	1
Carbon tetrachloride	ND		3.1		ug/m3			05/24/21 18:43	1
Chlorobenzene	ND		2.3		ug/m3			05/24/21 18:43	1
Chloroethane	ND		1.3		ug/m3			05/24/21 18:43	1
Chloroform	ND		2.4		ug/m3			05/24/21 18:43	1
Chloromethane	ND		1.0		ug/m3			05/24/21 18:43	1
Dibromochloromethane	ND		4.3		ug/m3			05/24/21 18:43	1
Dichlorodifluoromethane	ND		2.5		ug/m3			05/24/21 18:43	1
Dichlorotetrafluoroethane	ND		14		ug/m3			05/24/21 18:43	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-152643/6
Matrix: Air
Analysis Batch: 152643

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.2		ug/m3			05/24/21 18:43	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			05/24/21 18:43	1
Isopropanol	ND		120		ug/m3			05/24/21 18:43	1
Methylene Chloride	ND		17		ug/m3			05/24/21 18:43	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			05/24/21 18:43	1
n-Butylbenzene	ND		8.2		ug/m3			05/24/21 18:43	1
o-Xylene	ND		2.2		ug/m3			05/24/21 18:43	1
m,p-Xylene	ND		8.7		ug/m3			05/24/21 18:43	1
sec-Butylbenzene	ND		8.2		ug/m3			05/24/21 18:43	1
Styrene	ND		6.4		ug/m3			05/24/21 18:43	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			05/24/21 18:43	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			05/24/21 18:43	1
tert-Butylbenzene	ND		8.2		ug/m3			05/24/21 18:43	1
Tetrachloroethene	ND		3.4		ug/m3			05/24/21 18:43	1
Toluene	ND		19		ug/m3			05/24/21 18:43	1
Trichloroethene	ND		2.7		ug/m3			05/24/21 18:43	1
Trichlorofluoromethane	ND		5.6		ug/m3			05/24/21 18:43	1
Vinyl acetate	ND		7.0		ug/m3			05/24/21 18:43	1
Vinyl chloride	ND		1.3		ug/m3			05/24/21 18:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 131*		*05/24/21 18:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/24/21 18:43*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/24/21 18:43*	*1*

Lab Sample ID: LCS 570-152643/3
Matrix: Air
Analysis Batch: 152643

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.64		ppb v/v		111	67 - 135
1,1,2,2-Tetrachloroethane	25.0	26.22		ppb v/v		105	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.38		ppb v/v		114	70 - 130
1,1,2-Trichloroethane	25.0	27.02		ppb v/v		108	69 - 131
1,1-Dichloroethane	25.0	25.86		ppb v/v		103	69 - 130
1,1-Dichloroethene	25.0	25.12		ppb v/v		100	64 - 135
1,1-Difluoroethane	25.0	23.58		ppb v/v		94	57 - 146
1,2,4-Trichlorobenzene	25.0	32.28		ppb v/v		129	51 - 134
1,2,4-Trimethylbenzene	25.0	25.50		ppb v/v		102	68 - 130
1,2-Dibromo-3-Chloropropane	25.0	29.32		ppb v/v		117	66 - 130
1,2-Dibromoethane	25.0	27.48		ppb v/v		110	70 - 130
1,2-Dichlorobenzene	25.0	27.15		ppb v/v		109	68 - 130
1,2-Dichloroethane	25.0	25.06		ppb v/v		100	65 - 136
1,2-Dichloropropane	25.0	24.66		ppb v/v		99	68 - 132
1,3,5-Trimethylbenzene	25.0	26.49		ppb v/v		106	69 - 130
1,3-Dichlorobenzene	25.0	27.17		ppb v/v		109	65 - 130
1,4-Dichlorobenzene	25.0	27.06		ppb v/v		108	64 - 130
2-Butanone	25.0	21.89		ppb v/v		88	66 - 143

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-152643/3
Matrix: Air
Analysis Batch: 152643

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	25.0	23.56		ppb v/v		94	64 - 139
4-Ethyltoluene	25.0	26.78		ppb v/v		107	69 - 130
4-Methyl-2-pentanone	25.0	23.18		ppb v/v		93	65 - 135
Acetone	25.0	24.37		ppb v/v		97	70 - 130
Benzene	25.0	26.86		ppb v/v		107	68 - 134
Benzyl chloride	25.0	27.14		ppb v/v		109	70 - 130
Bromodichloromethane	25.0	26.52		ppb v/v		106	69 - 132
Bromoform	25.0	30.30		ppb v/v		121	70 - 130
Bromomethane	25.0	29.04		ppb v/v		116	65 - 130
cis-1,2-Dichloroethene	25.0	29.10		ppb v/v		116	70 - 130
cis-1,3-Dichloropropene	25.0	26.63		ppb v/v		107	70 - 134
Carbon disulfide	25.0	27.33		ppb v/v		109	70 - 130
Carbon tetrachloride	25.0	26.65		ppb v/v		107	68 - 133
Chlorobenzene	25.0	27.84		ppb v/v		111	70 - 130
Chloroethane	25.0	26.68		ppb v/v		107	66 - 134
Chloroform	25.0	27.80		ppb v/v		111	67 - 131
Chloromethane	25.0	22.77		ppb v/v		91	60 - 137
Dibromochloromethane	25.0	28.21		ppb v/v		113	70 - 130
Dichlorodifluoromethane	25.0	27.09		ppb v/v		108	57 - 138
Dichlorotetrafluoroethane	25.0	27.20		ppb v/v		109	60 - 133
Ethylbenzene	25.0	26.49		ppb v/v		106	70 - 130
Hexachloro-1,3-butadiene	25.0	29.63		ppb v/v		119	58 - 130
Isopropanol	25.0	22.26	J	ppb v/v		89	64 - 133
Methylene Chloride	25.0	26.56		ppb v/v		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	28.23		ppb v/v		113	70 - 130
n-Butylbenzene	25.0	25.13		ppb v/v		101	64 - 130
o-Xylene	25.0	25.99		ppb v/v		104	68 - 130
m,p-Xylene	50.0	59.11		ppb v/v		118	70 - 130
sec-Butylbenzene	25.0	25.88		ppb v/v		104	67 - 130
Styrene	25.0	27.70		ppb v/v		111	70 - 130
trans-1,2-Dichloroethene	25.0	29.23		ppb v/v		117	70 - 130
trans-1,3-Dichloropropene	25.0	26.41		ppb v/v		106	66 - 142
tert-Butylbenzene	25.0	26.30		ppb v/v		105	70 - 130
Tetrachloroethene	25.0	30.12		ppb v/v		120	70 - 130
Toluene	25.0	26.72		ppb v/v		107	70 - 130
Trichloroethene	25.0	26.84		ppb v/v		107	69 - 130
Trichlorofluoromethane	25.0	27.69		ppb v/v		111	62 - 139
Vinyl acetate	25.0	21.63		ppb v/v		87	64 - 139
Vinyl chloride	25.0	25.73		ppb v/v		103	65 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	140	150.8		ug/m3		111	67 - 135
1,1,2,2-Tetrachloroethane	170	180.0		ug/m3		105	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	190	217.5		ug/m3		114	70 - 130
1,1,2-Trichloroethane	140	147.4		ug/m3		108	69 - 131
1,1-Dichloroethane	100	104.7		ug/m3		103	69 - 130
1,1-Dichloroethene	99	99.58		ug/m3		100	64 - 135
1,1-Difluoroethane	68	63.70		ug/m3		94	57 - 146

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-152643/3
Matrix: Air
Analysis Batch: 152643

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	190	239.6		ug/m3		129	51 - 134
1,2,4-Trimethylbenzene	120	125.4		ug/m3		102	68 - 130
1,2-Dibromo-3-Chloropropane	240	283.3		ug/m3		117	66 - 130
1,2-Dibromoethane	190	211.2		ug/m3		110	70 - 130
1,2-Dichlorobenzene	150	163.2		ug/m3		109	68 - 130
1,2-Dichloroethane	100	101.4		ug/m3		100	65 - 136
1,2-Dichloropropane	120	114.0		ug/m3		99	68 - 132
1,3,5-Trimethylbenzene	120	130.2		ug/m3		106	69 - 130
1,3-Dichlorobenzene	150	163.3		ug/m3		109	65 - 130
1,4-Dichlorobenzene	150	162.7		ug/m3		108	64 - 130
2-Butanone	74	64.56		ug/m3		88	66 - 143
2-Hexanone	100	96.54		ug/m3		94	64 - 139
4-Ethyltoluene	120	131.7		ug/m3		107	69 - 130
4-Methyl-2-pentanone	100	94.97		ug/m3		93	65 - 135
Acetone	59	57.89		ug/m3		97	70 - 130
Benzene	80	85.79		ug/m3		107	68 - 134
Benzyl chloride	130	140.5		ug/m3		109	70 - 130
Bromodichloromethane	170	177.7		ug/m3		106	69 - 132
Bromoform	260	313.2		ug/m3		121	70 - 130
Bromomethane	97	112.8		ug/m3		116	65 - 130
cis-1,2-Dichloroethene	99	115.4		ug/m3		116	70 - 130
cis-1,3-Dichloropropene	110	120.9		ug/m3		107	70 - 134
Carbon disulfide	78	85.12		ug/m3		109	70 - 130
Carbon tetrachloride	160	167.7		ug/m3		107	68 - 133
Chlorobenzene	120	128.2		ug/m3		111	70 - 130
Chloroethane	66	70.40		ug/m3		107	66 - 134
Chloroform	120	135.8		ug/m3		111	67 - 131
Chloromethane	52	47.01		ug/m3		91	60 - 137
Dibromochloromethane	210	240.3		ug/m3		113	70 - 130
Dichlorodifluoromethane	120	134.0		ug/m3		108	57 - 138
Dichlorotetrafluoroethane	170	190.2		ug/m3		109	60 - 133
Ethylbenzene	110	115.0		ug/m3		106	70 - 130
Hexachloro-1,3-butadiene	270	316.0		ug/m3		119	58 - 130
Isopropanol	61	54.72	J	ug/m3		89	64 - 133
Methylene Chloride	87	92.27		ug/m3		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	90	101.8		ug/m3		113	70 - 130
n-Butylbenzene	140	137.9		ug/m3		101	64 - 130
o-Xylene	110	112.9		ug/m3		104	68 - 130
m,p-Xylene	220	256.7		ug/m3		118	70 - 130
sec-Butylbenzene	140	142.1		ug/m3		104	67 - 130
Styrene	110	118.0		ug/m3		111	70 - 130
trans-1,2-Dichloroethene	99	115.9		ug/m3		117	70 - 130
trans-1,3-Dichloropropene	110	119.9		ug/m3		106	66 - 142
tert-Butylbenzene	140	144.4		ug/m3		105	70 - 130
Tetrachloroethene	170	204.3		ug/m3		120	70 - 130
Toluene	94	100.7		ug/m3		107	70 - 130
Trichloroethene	130	144.2		ug/m3		107	69 - 130
Trichlorofluoromethane	140	155.5		ug/m3		111	62 - 139
Vinyl acetate	88	76.18		ug/m3		87	64 - 139

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-152643/3
Matrix: Air
Analysis Batch: 152643

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			64	65.76		ug/m3		103	65 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 131*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 570-152643/4
Matrix: Air
Analysis Batch: 152643

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			25.0	27.63		ppb v/v		111	67 - 135	0	25
1,1,2,2-Tetrachloroethane			25.0	26.44		ppb v/v		106	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	28.41		ppb v/v		114	70 - 130	0	25
1,1,2-Trichloroethane			25.0	26.67		ppb v/v		107	69 - 131	1	25
1,1-Dichloroethane			25.0	26.07		ppb v/v		104	69 - 130	1	25
1,1-Dichloroethene			25.0	25.47		ppb v/v		102	64 - 135	1	25
1,1-Difluoroethane			25.0	23.79		ppb v/v		95	57 - 146	1	25
1,2,4-Trichlorobenzene			25.0	30.33		ppb v/v		121	51 - 134	6	25
1,2,4-Trimethylbenzene			25.0	26.23		ppb v/v		105	68 - 130	3	25
1,2-Dibromo-3-Chloropropane			25.0	29.27		ppb v/v		117	66 - 130	0	25
1,2-Dibromoethane			25.0	27.92		ppb v/v		112	70 - 130	2	25
1,2-Dichlorobenzene			25.0	27.54		ppb v/v		110	68 - 130	1	25
1,2-Dichloroethane			25.0	25.13		ppb v/v		101	65 - 136	0	25
1,2-Dichloropropane			25.0	24.78		ppb v/v		99	68 - 132	0	25
1,3,5-Trimethylbenzene			25.0	27.06		ppb v/v		108	69 - 130	2	25
1,3-Dichlorobenzene			25.0	27.76		ppb v/v		111	65 - 130	2	25
1,4-Dichlorobenzene			25.0	27.64		ppb v/v		111	64 - 130	2	25
2-Butanone			25.0	22.34		ppb v/v		89	66 - 143	2	25
2-Hexanone			25.0	23.99		ppb v/v		96	64 - 139	2	25
4-Ethyltoluene			25.0	27.16		ppb v/v		109	69 - 130	1	25
4-Methyl-2-pentanone			25.0	23.22		ppb v/v		93	65 - 135	0	25
Acetone			25.0	26.24		ppb v/v		105	70 - 130	7	25
Benzene			25.0	26.74		ppb v/v		107	68 - 134	0	25
Benzyl chloride			25.0	27.77		ppb v/v		111	70 - 130	2	25
Bromodichloromethane			25.0	26.34		ppb v/v		105	69 - 132	1	25
Bromoform			25.0	30.50		ppb v/v		122	70 - 130	1	25
Bromomethane			25.0	29.75		ppb v/v		119	65 - 130	2	25
cis-1,2-Dichloroethene			25.0	29.06		ppb v/v		116	70 - 130	0	25
cis-1,3-Dichloropropene			25.0	26.42		ppb v/v		106	70 - 134	1	25
Carbon disulfide			25.0	27.39		ppb v/v		110	70 - 130	0	25
Carbon tetrachloride			25.0	26.49		ppb v/v		106	68 - 133	1	25
Chlorobenzene			25.0	28.15		ppb v/v		113	70 - 130	1	25
Chloroethane			25.0	27.69		ppb v/v		111	66 - 134	4	25
Chloroform			25.0	27.71		ppb v/v		111	67 - 131	0	25
Chloromethane			25.0	23.46		ppb v/v		94	60 - 137	3	25
Dibromochloromethane			25.0	28.47		ppb v/v		114	70 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-152643/4
Matrix: Air
Analysis Batch: 152643

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	25.0	26.83		ppb v/v		107	57 - 138	1	25
Dichlorotetrafluoroethane	25.0	27.58		ppb v/v		110	60 - 133	1	25
Ethylbenzene	25.0	26.76		ppb v/v		107	70 - 130	1	25
Hexachloro-1,3-butadiene	25.0	28.80		ppb v/v		115	58 - 130	3	25
Isopropanol	25.0	24.59	J	ppb v/v		98	64 - 133	10	25
Methylene Chloride	25.0	26.90		ppb v/v		108	65 - 130	1	25
Methyl-t-Butyl Ether (MTBE)	25.0	28.19		ppb v/v		113	70 - 130	0	25
n-Butylbenzene	25.0	25.40		ppb v/v		102	64 - 130	1	25
o-Xylene	25.0	26.19		ppb v/v		105	68 - 130	1	25
m,p-Xylene	50.0	59.83		ppb v/v		120	70 - 130	1	25
sec-Butylbenzene	25.0	26.58		ppb v/v		106	67 - 130	3	25
Styrene	25.0	27.93		ppb v/v		112	70 - 130	1	25
trans-1,2-Dichloroethene	25.0	29.28		ppb v/v		117	70 - 130	0	25
trans-1,3-Dichloropropene	25.0	26.39		ppb v/v		106	66 - 142	0	25
tert-Butylbenzene	25.0	27.13		ppb v/v		109	70 - 130	3	25
Tetrachloroethene	25.0	30.37		ppb v/v		121	70 - 130	1	25
Toluene	25.0	27.01		ppb v/v		108	70 - 130	1	25
Trichloroethene	25.0	26.46		ppb v/v		106	69 - 130	1	25
Trichlorofluoromethane	25.0	29.06		ppb v/v		116	62 - 139	5	25
Vinyl acetate	25.0	21.90		ppb v/v		88	64 - 139	1	25
Vinyl chloride	25.0	26.21		ppb v/v		105	65 - 130	2	25

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	140	150.7		ug/m3		111	67 - 135	0	25
1,1,2,2-Tetrachloroethane	170	181.5		ug/m3		106	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	190	217.7		ug/m3		114	70 - 130	0	25
1,1,2-Trichloroethane	140	145.5		ug/m3		107	69 - 131	1	25
1,1-Dichloroethane	100	105.5		ug/m3		104	69 - 130	1	25
1,1-Dichloroethene	99	101.0		ug/m3		102	64 - 135	1	25
1,1-Difluoroethane	68	64.28		ug/m3		95	57 - 146	1	25
1,2,4-Trichlorobenzene	190	225.1		ug/m3		121	51 - 134	6	25
1,2,4-Trimethylbenzene	120	129.0		ug/m3		105	68 - 130	3	25
1,2-Dibromo-3-Chloropropane	240	282.9		ug/m3		117	66 - 130	0	25
1,2-Dibromoethane	190	214.5		ug/m3		112	70 - 130	2	25
1,2-Dichlorobenzene	150	165.6		ug/m3		110	68 - 130	1	25
1,2-Dichloroethane	100	101.7		ug/m3		101	65 - 136	0	25
1,2-Dichloropropane	120	114.5		ug/m3		99	68 - 132	0	25
1,3,5-Trimethylbenzene	120	133.1		ug/m3		108	69 - 130	2	25
1,3-Dichlorobenzene	150	166.9		ug/m3		111	65 - 130	2	25
1,4-Dichlorobenzene	150	166.2		ug/m3		111	64 - 130	2	25
2-Butanone	74	65.88		ug/m3		89	66 - 143	2	25
2-Hexanone	100	98.32		ug/m3		96	64 - 139	2	25
4-Ethyltoluene	120	133.5		ug/m3		109	69 - 130	1	25
4-Methyl-2-pentanone	100	95.12		ug/m3		93	65 - 135	0	25
Acetone	59	62.34		ug/m3		105	70 - 130	7	25
Benzene	80	85.44		ug/m3		107	68 - 134	0	25
Benzyl chloride	130	143.8		ug/m3		111	70 - 130	2	25
Bromodichloromethane	170	176.5		ug/m3		105	69 - 132	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-152643/4
Matrix: Air
Analysis Batch: 152643

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform			260	315.3		ug/m3		122	70 - 130	1	25
Bromomethane			97	115.5		ug/m3		119	65 - 130	2	25
cis-1,2-Dichloroethene			99	115.2		ug/m3		116	70 - 130	0	25
cis-1,3-Dichloropropene			110	119.9		ug/m3		106	70 - 134	1	25
Carbon disulfide			78	85.29		ug/m3		110	70 - 130	0	25
Carbon tetrachloride			160	166.6		ug/m3		106	68 - 133	1	25
Chlorobenzene			120	129.6		ug/m3		113	70 - 130	1	25
Chloroethane			66	73.06		ug/m3		111	66 - 134	4	25
Chloroform			120	135.3		ug/m3		111	67 - 131	0	25
Chloromethane			52	48.44		ug/m3		94	60 - 137	3	25
Dibromochloromethane			210	242.5		ug/m3		114	70 - 130	1	25
Dichlorodifluoromethane			120	132.7		ug/m3		107	57 - 138	1	25
Dichlorotetrafluoroethane			170	192.8		ug/m3		110	60 - 133	1	25
Ethylbenzene			110	116.2		ug/m3		107	70 - 130	1	25
Hexachloro-1,3-butadiene			270	307.1		ug/m3		115	58 - 130	3	25
Isopropanol			61	60.45	J	ug/m3		98	64 - 133	10	25
Methylene Chloride			87	93.43		ug/m3		108	65 - 130	1	25
Methyl-t-Butyl Ether (MTBE)			90	101.6		ug/m3		113	70 - 130	0	25
n-Butylbenzene			140	139.4		ug/m3		102	64 - 130	1	25
o-Xylene			110	113.7		ug/m3		105	68 - 130	1	25
m,p-Xylene			220	259.8		ug/m3		120	70 - 130	1	25
sec-Butylbenzene			140	145.9		ug/m3		106	67 - 130	3	25
Styrene			110	119.0		ug/m3		112	70 - 130	1	25
trans-1,2-Dichloroethene			99	116.1		ug/m3		117	70 - 130	0	25
trans-1,3-Dichloropropene			110	119.8		ug/m3		106	66 - 142	0	25
tert-Butylbenzene			140	148.9		ug/m3		109	70 - 130	3	25
Tetrachloroethene			170	206.0		ug/m3		121	70 - 130	1	25
Toluene			94	101.8		ug/m3		108	70 - 130	1	25
Trichloroethene			130	142.2		ug/m3		106	69 - 130	1	25
Trichlorofluoromethane			140	163.3		ug/m3		116	62 - 139	5	25
Vinyl acetate			88	77.12		ug/m3		88	64 - 139	1	25
Vinyl chloride			64	66.99		ug/m3		105	65 - 130	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 131*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

QC Association Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Air - GC/MS VOA

Analysis Batch: 152643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-59978-1	SB-1	Total/NA	Air	TO-15	
570-59978-2	SB-2	Total/NA	Air	TO-15	
570-59978-3	SB-4	Total/NA	Air	TO-15	
570-59978-4	SB-5	Total/NA	Air	TO-15	
570-59978-5	SB-6	Total/NA	Air	TO-15	
MB 570-152643/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-152643/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-152643/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Client Sample ID: SB-1
Lab Sample ID: 570-59978-1
Date Collected: 05/24/21 15:45
Matrix: Air
Date Received: 05/24/21 17:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	152643	05/25/21 04:30	KA4W	ECL 2
	Instrument ID: GCMSNN									

Client Sample ID: SB-2
Lab Sample ID: 570-59978-2
Date Collected: 05/24/21 15:05
Matrix: Air
Date Received: 05/24/21 17:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	152643	05/25/21 06:17	KA4W	ECL 2
	Instrument ID: GCMSNN									

Client Sample ID: SB-4
Lab Sample ID: 570-59978-3
Date Collected: 05/24/21 11:25
Matrix: Air
Date Received: 05/24/21 17:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	152643	05/25/21 08:01	KA4W	ECL 2
	Instrument ID: GCMSNN									

Client Sample ID: SB-5
Lab Sample ID: 570-59978-4
Date Collected: 05/24/21 12:25
Matrix: Air
Date Received: 05/24/21 17:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	152643	05/25/21 09:48	KA4W	ECL 2
	Instrument ID: GCMSNN									

Client Sample ID: SB-6
Lab Sample ID: 570-59978-5
Date Collected: 05/24/21 13:25
Matrix: Air
Date Received: 05/24/21 17:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	152643	05/25/21 10:48	KA4W	ECL 2
	Instrument ID: GCMSNN									

Laboratory References:
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: AECOM
Job ID: 570-59978-1
Project/Site: Bloomington Limited Phase II ESA / 60659871.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-59978-1	SB-1	Air	05/24/21 15:45	05/24/21 17:56	
570-59978-2	SB-2	Air	05/24/21 15:05	05/24/21 17:56	
570-59978-3	SB-4	Air	05/24/21 11:25	05/24/21 17:56	
570-59978-4	SB-5	Air	05/24/21 12:25	05/24/21 17:56	
570-59978-5	SB-6	Air	05/24/21 13:25	05/24/21 17:56	

Patel, Vikas

From: Hann, Gary <gary.hann@aecom.com>
Sent: Tuesday, May 25, 2021 4:29 PM
To: Patel, Vikas
Subject: RE: [EXTERNAL] Eurofins Calscience EDD and report files from 570-59978-1 Bloomington Limited Phase II ESA / 60659871.01

To more easily compare to Regional Screening Levels, can the vapor results also be provided in ug/m3?

Gary M. Hann
Senior Project Manager / Senior Project Engineer, Environment, Los Angeles Metro Area
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M +1-949-375-0688
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aecom.com

Imagine it. Delivered.

LinkedIn Twitter Facebook Instagram

From: Vikas Patel <vikas.patel@eurofinset.com>
Sent: Tuesday, May 25, 2021 3:46 PM
To: Hann, Gary <gary.hann@aecom.com>
Subject: [EXTERNAL] Eurofins Calscience EDD and report files from 570-59978-1 Bloomington Limited Phase II ESA / 60659871.01

Hello,

Attached please find the EDD and report files for job 570-59978-1; Bloomington Limited Phase II ESA / 60659871.01

Please feel free to contact me if you have any questions.

Thank you.

Vikas Patel
Project Manager

Eurofins Calscience LLC
Phone: 714-895-5494

E-mail: vikas.patel@eurofinset.com
www.eurofinsus.com/env

Eurofins Calscience Garden Grove
7440 Lincoln Way
Garden Grove CA 92841
Phone (714) 892-5626

eurofins

Chain-of-Custody Record

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Gary Hann	Gary Hann	Patel, Vikas		Page: Page 1 of 1
Company: AECOM	Phone: 714-567-2750	E-Mail: Vikas.Patel@Eurofinset.com		Job #:

Address	Due Date Requested	Analysis Requested
999 Town and Country Road		
City: Orange	TAT Requested (days): 24 HOURS	
State, Zip: CA 92868		
Phone: 714-567-2750	PO #: N/A	
Email: gary.hann@aecom.com	WO #: N/A	
Project Name: Bloomington Limited Phase II ESA	Project #: 60659871.01	
Site: Bloomington	SSOW#: N/A	

Preservation Codes

A - HCL	M Hexane
B - NaOH	N None
C - Zn Acetate	O AsNaO2
D - Nitric Acid	P Na2O4S
E - NaHSO4	Q Na2SO3
F MeOH	R Na2S2O3
G - Amchlor	S H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U Acetone
J DI Water	V MCAA
K - EDTA	W pH 4-5
L - EDA	Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TO-15M VOCs (Full Scan)	Total Number of containers	Special Instructions/Note
			Preservation Code:				N		
SB-1	5/24/21	1545	G	A	N	Y	X	1	
SB-2	5/24/21	1505	G	A	N	Y	X	1	
~~SB-3~~ Gulf	~~5/24/21~~		~~G~~	~~A~~	N	Y	~~X~~	1	NO SAMPLE
SB-4	5/24/21	1125	G	A	N	Y	X	1	
SB-5	5/24/21	1225	G	A	N	Y	X	1	
SB-6	5/24/21	1325	G	A	N	Y	X	1	

570-59978 Chain of Custody

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: PLEASE INCLUDE PROJECT NO. (60659871.01) AND PM EMAIL (WILLIAM.BOCK@AECOM.COM) ON INVOICE.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company
	5/24/21 @ 1756	AECOM		5-24-2021 17:56	ECI

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver 01 16 2019

Login Sample Receipt Checklist

Client: AECOM

Job Number: 570-59978-1

Login Number: 59978
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience LLC

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