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LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

4112 Del Rey Avenue Project

Prepared for

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Project Number: HR1863A

6 February 2023

Limited Phase II Environmental Site Assessment

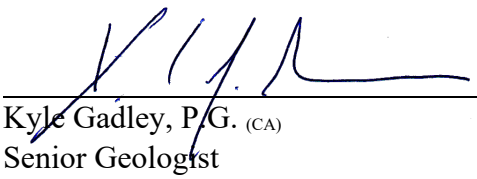
4112 Del Rey Avenue Project

Geosyntec's services were performed and this Limited Phase II ESA Report has been prepared in accordance with generally accepted professional standards of care applicable to the scope of services authorized by MDR LLC, and no other warranty is provided in connection therewith.

Consistent with applicable professional standards of care, information and results presented in this Limited Phase II ESA Report are based in part on data furnished by others. Although we were not able to independently verify such data, we did evaluate its consistency with other information that was developed in the course of our performance of this scope of services.

The conditions presented in this Limited Phase II ESA Report are based on information obtained from the indoor air samples and the limited number of borings advanced to evaluate the soil, soil vapor, and groundwater conditions at the Site relative to applicable screening levels. The data, conclusions, and recommendation contained herein should be considered only for this specific project and locations discussed in this Report.

Geosyntec is not responsible for any conclusions or recommendations based on the information contained herein that may be made by others, unless we have been given an opportunity to review such conclusions and/or recommendations and concur with them in writing. If any changes are made in the project as outlined in this Limited Phase II ESA Report, the conclusions contained herein shall not be valid unless the changes are reviewed, and the conclusions are modified or approved in writing by Geosyntec.



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1. INTRODUCTION

This report documents the results of the limited Phase II environmental site assessment (ESA) conducted on behalf of MDR Investors, LLC (MDR) at the properties that comprise the 4112 Del Rey Avenue Project (the Site) in Marina del Rey, California (**Figure 1**). This ESA included collection of soil, soil vapor, indoor air, and shallow groundwater grab samples in general accordance with proposals prepared by Geosyntec Consultants (Geosyntec) [2021, 2022] to augment the existing data collected by others and made available to Geosyntec. This ESA was prepared by Geosyntec for submittal to MDR, no third parties may rely on this document without the written permission of MDR and Geosyntec.

The remainder of this Report is organized into the following sections:

- Section 2, "Background," which provides background information on the Site;
- Section 3, "Pre-Field Investigation Activities," which describes permitting, utility clearance, and preparation of health and safety documents;
- Section 4, "Field Investigation," which describes the field activities conducted as part of this limited Phase II ESA;
- Section 5, "Soil Sampling Results," which presents the analytical results for the collected soil samples;
- Section 6, "Groundwater Sampling Results," which presents the analytical results for the groundwater grab samples;
- Section 7, "Soil Vapor Sampling Results," which presents the analytical results for the soil vapor samples;
- Section 8, "Indoor Air Sampling Results," which presents the analytical results for the indoor and ambient air samples;
- Section 9, "Quality Assurance/Quality Control Samples," which describes the measures taken to assure the validity of the reported data;
- Section 10, "Conclusions and Recommendations, describes the key analytical results from the investigation, the conclusions derived from those results, and associated recommendations; and
- Section 11, "References."

Tables, figures and appendices are included at the end of the report.

2. BACKGROUND

The proposed redevelopment project [TCA, 2022] includes a multi-level residential complex located at a cluster of parcels addressed 4112-4136 Del Rey Avenue in Marina Del Rey, California, referred to as the 4112 Del Rey Avenue Project (the Site). The Site has been the subject of several studies, including:

- *Phase I Environmental Site Assessment* [EDI, 2019a]. A Phase I ESA detailing the Site history and present conditions.
- *Phase II Subsurface Investigation Report* [EDI, 2019b]. Report summarizing an investigation in which soil, soil vapor, and groundwater samples were collected.
- *Phase II Environmental Site Assessment* [Rincon Consultants, Inc. (Rincon), 2020]. Report summarizing an investigation in which soil, soil vapor, and groundwater samples were collected.
- *Indoor Air Quality Investigation Report* [Partner, 2021]. Report summarizing an investigation in which sub-slab soil vapor and indoor air samples were collected.
- *Phase I Environmental Site Assessment Report* [Partner, 2022]. A Phase I ESA detailing the site history and previous environmental investigations.
- *Geotechnical Feasibility Study* [Twining, 2022]. A geotechnical report summarizing the soil conditions, lab testing results, and recommendations for structure design and soil management.

The Phase I ESA completed by EDI presents key findings such as historical circuit board manufacturing operations involving the use of solvents, and the presence of "clarify pits" (assumed to be process water clarifiers) at the building located at 4136 Del Rey. EDI recommended a Phase II subsurface investigation be conducted at 4136 Del Rey to assess the presence of contamination in the soil or a potential vapor intrusion condition in the building [EDI, 2019a].

Based on the findings of the Phase I ESA, EDI conducted a Phase II investigation involving the collection of soil, soil vapor, and groundwater samples at and around 4136 Del Rey. EDI did not identify volatile organic compounds (VOCs) or metals in soil at concentrations above regulatory screening levels; however, soil vapor samples collected contained tetrachloroethene (PCE) and trichloroethene (TCE) above calculated vapor intrusion screening levels. Additionally, one of the three groundwater samples collected contained chloroform at a concentration of 7.5 micrograms per liter (µg/L), which exceeds the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) residential and commercial screening levels of 0.81 µg/L and 3.6 µg/L, respectively. Based on these results, EDI indicated that soil vapor and groundwater beneath the Site appeared to be impacted by PCE, TCE, and chloroform due to historical and industrial plating operations. EDI recommended that additional investigations be conducted to assess the lateral and vertical extent of impacts at the Site [EDI, 2019b].

Based on EDI's findings, Rincon conducted a Phase II assessment of the Site aimed at assessing soil, soil vapor, and groundwater. Between July and September 2020, Rincon advanced 26 soil borings, primarily located in and around 4112, 4132, and 4136 Del Rey Avenue. Consistent with previous investigations, Rincon identified VOCs, including PCE and TCE, in soil beneath the Site at concentrations below applicable screening levels. PCE and TCE were detected across several soil vapor samples beneath the 4112, 4132, and 4136 Del Rey buildings at concentrations that indicated a potential for vapor intrusion. Rincon identified a soil vapor sample collected at 4112 Del Rey as being a concern for current occupants due to an elevated concentration of TCE at 179,820 micrograms per cubic meter ($\mu g/m^3$), exceeding the SFBRWQCB commercial ESL of 100 $\mu g/m^3$ for vapor intrusion risk. Rincon indicated that additional controls such as installation of a vapor barrier may be required as part of redevelopment efforts at the site [Rincon, 2020].

In June 2021, Partner Engineering (Partner) performed indoor air sampling and a limited sub-slab soil gas survey to assess the risk of VOC intrusion from soil vapor beneath the Site [Partner, 2021]. Results of the indoor air sampling were generally consistent with earlier investigations and indicated that TCE concentrations in sub-slab soil vapor and indoor air in the 4112 Del Rey building exceeded applicable screening levels for commercial/industrial properties. Partner stated that indoor air exceedances of TCE appear to be indicative of a vapor intrusion condition but noted that based on the storage and maintenance of vehicles in this building, that an unidentified air interference source could not be ruled out.

During preparation for Geosyntec's limited Phase II ESA, MDR provided Geosyntec with a historic Site plan of the property (**Appendix 1**). This Site plan is annotated with two "clarify pits" shown within the north end of the 4132 Del Rey building; however, Phase I reports prepared by EDI and Partner did not include documentation or records that indicate the presence of clarifiers within 4132 Del Rey [EDI, 2019a; Partner, 2022]. Historical records and correspondence, including a previously opened case with the Department of Toxic Substances Control (DTSC), document the presence of clarifiers within the 4136 Del Rey building and these clarifiers are not shown on the historic Site plan (**Appendix 1**). As such, it is possible that the client-provided Site plan is incorrectly annotated.

Data from the Phase II assessments performed by EDI [2019b] and Rincon [2020] are included in **Tables 1** through **5** along with the results from Geosyntec's 2022 limited Phase II ESA; indoor air data collected during Partner's 2021 investigation is presented in **Table 7** alongside the results from Geosyntec's indoor air sampling results. The remaining sections of this limited Phase II ESA report focus on the results of Geosyntec's investigations performed as part of due diligence.

3. PRE-FIELD INVESTIGATION ACTIVITIES

Geosyntec performed limited Phase II ESA investigations in two phases as follows:

- A subsurface investigation was conducted on 29 March 2022. This work involved the collection of soil, soil vapor, and groundwater samples at the Site. Soil borings were located outside the buildings to confirm prior results and assess current conditions; and
- An indoor air investigation was conducted between 29 and 30 November 2022, which involved a survey of the building interiors and collection of indoor air and ambient air samples for a limited background assessment.

Prior to mobilizing to perform the limited Phase II ESA field activities, Geosyntec prepared a Site-specific Task Hazard Analysis (THA) that identified Site conditions, potential hazards, hazard control, monitoring procedures, personal protective equipment, and emergency procedures. Field personnel were required to review and sign the THA prior to beginning work. Prior to conducting the fieldwork for both investigations, permission to access and perform the fieldwork at the Site was coordinated and obtained from the then-current property owner/tenants. Underground Service Alert was notified more than 48 hours prior to drilling activities to identify underground utilities in the vicinity of the proposed borehole locations and to reduce the potential for accidentally encountering buried utility lines (Ticket No. A220831118-00A). Geosyntec also contracted GeoVison Geophysical Services to conduct a subsurface geophysical survey on 29 March 2022 to identify locations of potential underground utilities in the vicinity of the proposed investigation locations.

As required for the locations extending into groundwater below the Site, Geosyntec obtained a Well/Exploration Permit from the Los Angeles County Department of Public Health (Permit No. SR0288539). A copy of the permit is included as **Appendix 2**.

4. FIELD INVESTIGATION

The implemented scope of work for this limited investigation included:

- Soil Vapor Sampling: Installation of dual-nested soil vapor probes at four locations consisting of shallow probes set at 6 feet (ft) below ground surface (bgs) and deeper probes at 11.5 to 13.5 ft bgs. The probes were installed to assess Site current conditions and potential vapor intrusion risks;

- Groundwater Hydropunch™: Collection of three groundwater samples from the uppermost groundwater zone (i.e., first encountered groundwater below the Site) to further evaluate groundwater conditions;

- Soil Sampling: Collection of soil samples from each Hydropunch™ borings at 2 and 10 ft bgs and three of the soil vapor borings at 2 ft bgs to confirm previous results and to further assess soil conditions at the Site; and

- Indoor Air Sampling: Collection of indoor air samples from each of the six onsite buildings to assess present conditions and confirm previous results.

The locations of soil and groundwater sample collection and soil vapor probe installations are shown on **Figure 2**. Sampling locations for indoor and ambient air are presented on **Figure 3**.

4.1 Borehole Advancement and Soil Sampling

Soil sampling and vapor probe construction activities were conducted on 29 March 2022. Drilling and soil vapor probe installation was conducted by a California-licensed C-57 drilling subcontractor (Cascade). As an added precaution, the upper 5 feet of soil was cleared with a hand auger to avoid potential damage to underground utilities. Following clearance of each borehole location to 5 ft bgs using a hand auger, the proposed soil borings were advanced to the target depth using a direct-push rig equipped with 2.25-inch outside diameter push rod. During borehole advancement, the soil cuttings were returned in acetate liners. Retrieved soil cuttings were visually classified and logged by Geosyntec field personnel. The logs include a general description of the encountered soils in accordance with the Unified Soil Classification System (USCS) and Standard Practice for Description and Identification of Soils (ASTM D2488) [ASTM, 2009]. During logging, soil samples were field screened for the potential presence of VOCs using a photoionization detector (PID), and other possible indications (e.g., staining, odors) of potential contamination, if present, were noted. To avoid potential cross contamination, non-dedicated sampling equipment was decontaminated between sampling locations. Following sample collection, the Hydropunch™ borings were backfilled with cement grout containing 5% bentonite and the surface patched with black-dyed concrete to match the existing surface conditions. There were no obvious indications of staining, odor, or elevated PID readings noted during borehole advancement. Copies of the borehole logs are included as **Appendix 3.**

Soil samples collected as part of this investigation were placed into a cooler, chilled to approximately 4ºC, and transported to a fixed-based analytical laboratory under chain-of-custody procedures for analysis consistent with the approved proposal [Geosyntec, 2021]. Samples were transported with a trip blank that was also analyzed for VOCs as a quality control measure.

4.2 Groundwater Sampling

Upon reaching Site assessment design total depth (21 ft bgs) at each Hydropunch™ location, the Hydropunch™ sampling tool was driven into the bottom of the boring. The rods were then pulled up to expose a 4-foot section of screen that allowed groundwater to flow into the casing. Cascade used a disposable ball-valve bailer to collect groundwater from each Hydropunch™ sampling location and transfer the collected groundwater into laboratory-provided containers.

4.3 Soil Vapor Probe Construction and Sampling

Four of the drilling locations (SV-01 through SV-04) were completed as temporary dual-nested soil vapor probe installations with probes installed at 6 ft bgs and a deeper probe set between 11.5 and 13.5 ft bgs. The probes were installed using a porous polypropylene tip attached to 0.25-inch diameter Nylaflow® tubing set at the target depth. A filter pack material consisting of one foot of #3 sand was emplaced around the screens of each probe (half a foot below and half a foot above). Approximately one foot of dry granular bentonite was then placed above the filter pack and, above that, the bentonite was hydrated with potable water to create a seal to 0.5 ft bgs below the next shallowest probe or to the surface above the probe constructed at 5 ft bgs. The upper ends of the tubing were sealed with 0.25-inch two-way valves. Since the soil vapor probes were installed as temporary probes, no surface completions were necessary and/or required.

Jones Environmental Inc. (Jones), a National Environmental Laboratory Accreditation Program and State-certified mobile/fixed-based laboratory, was retained for sampling and analysis of soil vapor from each individual soil vapor probe completion for VOCs (United States Environmental Protection Agency [EPA] Method 8260B) using a mobile lab. A total of nine soil vapor samples (8 primary samples and 1 duplicate sample) were collected by Jones using 1-liter Tedlar® bags and analyzed for VOCs by EPA Method 8260B using a mobile lab in accordance with Advisory - Active Soil Gas Investigations [DTSC et al., 2015]. Methods in accordance with the recommendations in DTSC et al. [2015] were followed for purge volume calculations, leak testing, and sampling. Prior to purging and sampling of soil vapor at each probe, a shut-in test was conducted to check for leaks in the aboveground fittings. A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling and analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe.

Following sample collection, the temporary soil vapor probe installations were abandoned by removing the tubing, backfilling the borings with a cement-grout mixture containing 5% bentonite, and patching the surface with black-dyed concrete to match the existing surface conditions.

4.4 Indoor Air Sampling

Due to Site restrictions, Geosyntec was unable to gain access to the interiors of the buildings during the 29 March 2022 mobilization. Following review of the subsurface investigation results, Geosyntec returned in November 2022 to perform an evaluation of indoor air at the Site. Indoor air samples were collected over an 8-hr duration at each of the six buildings on 30 November 2022. To evaluate background concentrations that may affect the evaluation of the indoor air sample results ambient air samples were collected as part of the assessment. A pre-sampling building survey, to the degree observable, for each of the buildings was performed on 29 November 2022, as chemicals stored inside the buildings and building conditions can affect the indoor air sample results.

4.4.1 Pre-Sampling Survey and Building Conditions

On 29 November 2022, a pre-sampling survey of each building was completed. The survey form provided in the 2011 DTSC vapor intrusion guidance [DTSC, 2011] was used to document the information collected during the survey. Copies of the building survey forms are included as **Appendix 4**.

At the time of sampling, the building at 4130 Del Rey was occupied by a motion capture studio (Rouge MoCap) which performs work for the entertainment and film industry. The building is primarily composed of office space, except for the western portion of the building, which consists of a large open film area for motion capture filming.

At the time of sampling, the buildings at 4132 and 4136 Del Rey were occupied by BizHaus, a company that rents individual desk and office space. BizHaus currently uses only the rear half of the 4132 Del Rey building; the front half of the building was formerly occupied by WexCo, a construction and consulting firm that used the building as office space.

At the time of sampling, the Motoring Club occupied the building at 4112 Del Rey. The Motoring Club provides lounge space for its members as well as storage space for member vehicles. During the survey, approximately 15 to 20 cars were observed within the building, though the club was currently closed to members. The building is not equipped with central air for cooling, while a large space heater provides heat. At the time of the survey, neither the air conditioning nor space heaters were in use.

The buildings at 4134 and 4120 Del Rey were unoccupied at the time of sampling and are reported to have been vacant for at least a year. Both buildings were previously used for office space, and no hazardous materials are currently stored within the buildings nor are expected to have been as part of the previous tenants' operations. Each building is equipped with central heating and cooling, but these systems were not running at the time of the survey.

Key observations from the pre-sampling survey include the storage of various paints, wood finish, and polish at the Motoring Club (4112 Del Rey). At Rouge MoCap (4130 Del Rey), several household cleaners, disinfectants, and hand sanitizers were observed throughout the building; attributed to enhanced cleaning and COVID-19 protocols still present in the entertainment

industry. Additionally, most of the bathrooms at each of the occupied buildings contained air fresheners, diffusers, or cans of fragrance and tenants were not asked to remove these items from the buildings. For bathrooms in which a sampling cannister would be placed, any aerosols and fragrance sprays were removed to prevent their use during the sampling interval.

Per the proposal [Geosyntec, 2022], indoor air sampling was conducted with the heating, ventilation, and air conditioning (HVAC) systems operating normally for the weather conditions

4.4.2 Air Sample Locations

Three indoor air samples were collected from each of the six onsite buildings during the sampling event (18 indoor air samples total). The approximate sampling locations are shown on **Figure 3** and information about each sample location is provided in **Table 6**. For each building, two samples were collected in work areas/office spaces and one sample was collected in a bathroom or kitchen.

To provide background concentrations for the Site, three ambient air samples were collected outside the buildings at the locations shown on **Figure 3**. Locations for the ambient air samples were chosen based on review wind rose diagrams from the South Coast Air Quality Management District (SCAQMD) Stations #23174 and #93197, the closest stations to the Site, which showed the predominant wind directions coming from the west and southwest [SCAQMD, 2017a, 2017b], consistent with field observations during sampling.

4.4.3 Air Sample Collection

Samples were collected within the breathing zone (approximately 3 to 5 feet above ground surface) using 6-liter Summa canisters with a flow controller set to collect an 8-hour time-integrated sample. Samples of indoor air and outdoor air were collected using the same methods.

Summa canisters received from the laboratory were under vacuum of approximately 30 inches of mercury and were individually certified by the laboratory. Initial vacuum readings from each Summa cannister were measured and recorded to check that they had not leaked during shipment. The 8-hour flow controller was attached to the canister just prior to sampling to collect a time-integrated air sample. To begin sampling, the valve on the Summa cannister was opened and after 7 to 8 hours, the valve was closed to end the sampling period, the flow controller removed, and cap re-attached. The final vacuum was observed from the vacuum gauge on each Summa cannister and recorded on both the field forms and the laboratory canister label. After receipt of the Summa canisters at the laboratory, the vacuum was measured again to verify that the canister did not leak during shipment.

The following items were recorded for each sample:

- Sample location;
- Canister identification number;
- Flow controller identification number;
- Initial canister vacuum;
- Time and date sample collection begins and ends; and

- Final canister vacuum.

It is noted that due to a mechanical failure in a laboratory-provided SUMMA canister following sample collection, the sample IA_4136_1, collected in the open office area at 4136 Del Rey, was unable to be analyzed.

4.4.4 Analytical Testing

The collected indoor and outdoor air samples, with the exception of sample IA_4136_1, were analyzed for VOCs by EPA Method TO-15 using a full scan analysis, which evaluates a larger analyte list than the TO-15 selective ion method (SIM) while still providing equivalent reporting limits to those achieved in the Partner investigation [Partner, 2021].

4.4.5 Data Quality Control/Quality Assurance

One duplicate indoor air sample was collected at The Motoring Club (IA_4112_DUP) adjacent to primary sample location IA_4112. The Summa canisters for the primary and duplicate sample were opened and closed at the same time.

4.5 Investigation Derived Waste

The investigation derived waste, such as soil and equipment decontamination water generated during the subsurface investigation, was containerized in Department of Transportation-approved 55-gallon drums, properly sealed and labeled, and temporarily stored at the Site.

5. SOIL SAMPLING RESULTS

As part of this limited Phase II ESA investigation, soil samples were collected at 2 ft bgs at each borehole location, except for SV-04, as well as at 10 ft bgs from each of the Hydropunch™ borings (**Figure 2**). Soil samples from 2 ft bgs were collected as grab samples during hand augering for borehole clearance, and soil samples at 10 ft bgs were collected from the continuous soil cores recovered using a direct-push drill rig. Soil samples to be analyzed for VOCs were collected using Terra Core® kits to reduce the potential volatilization from the sample matrix, and the remaining sample volume was collected in laboratory-provided sample jars. The soil samples were analyzed for the following analytical suites:

- VOCs by EPA Method 8260B/5035;
- Title 22 Metals by EPA Method 6010B; and
- Mercury by EPA Method 7471A.

Table 1 includes a summary of VOCs detected in soil along with historical data for TPH and cyanide. **Table 2** includes a summary of Title 22 metals detected in soil. The soil analytical laboratory reports are included as **Appendix 5**. For comparison purposes, the summary tables include the more conservative analyte screening level (if one is available) from the following regulatory agency guidance:

- Regional Screening Levels (RSLs) for soils provided by EPA, for residential and/or industrial land uses [EPA, 2022];
- California Human Health Risk Assessment Note 3 DTSC-Modified Screening Levels for Soil provided by DTSC for residential and/or commercial/industrial land uses [DTSC, 2020]; and
- Environmental Screening Levels (ESL) from the San Francisco Bay Regional Water Quality Control Board [SFBRWQCB, 2020], which are commonly used throughout the state for screening purposes.

5.1 VOCs in Soil

A total of ten VOCs were detected across the soil samples collected as part of this investigation, though none of the detections exceeded applicable screening levels for residential soil. Though there were no screening level exceedances of VOCs in the soils, select analytes are discussed below to provide context for their detections.

PCE and TCE have been identified in previous investigations as contaminants of concern, primarily in soil vapor, with detections in soil samples collected at the Site. During this investigation, PCE and TCE were detected in the shallow soil samples at SV-01 and SV-03. PCE was also detected in the 10-foot sample from HP-03. The highest concentrations of both PCE and TCE were observed in SV-03, which was located closest to the former clarifying pits in the 4136

Del Rey building. VOCs associated with the breakdown of TCE, including *cis*-1,2-DCE and *trans*-1,2-dichloroethylene (*trans*-1,2-DCE) were also detected in the soil sample collected at SV-03.

Other VOCs including 1,1,1-trichloroethane, 1,1,2-trichloroethane, and 1,1-dichloroethane were also detected in SV-03, but not in the other soil samples collected across the Site. These VOCs were detected at concentrations below their respective screening levels and have not been identified in previous investigations as contaminants of concern, though it is likely that their presence in the soil is due to past operations at the Site.

Benzene and toluene were both detected at low concentrations, 12 and 2.1 µg/kg, respectively, in the soil sample collected at SV-01. Both detections are orders of magnitude below applicable screening levels and were not detected in other soil samples collected at the Site. Both compounds are common in gasoline and Geosyntec notes that SV-01 was located in the parking lot adjacent to the 4112 Del Rey building, currently occupied by The Motoring Club which uses the space for storage of member vehicles. Detections of benzene and toluene in this soil sample may represent *de minimis* releases of gasoline at and around this building.

Acetone was detected in five of the soil samples at concentrations ranging from 23 to 66 µg/kg. Acetone is a common laboratory artifact, and its presence in the samples is likely not indicative of soil conditions at the Site.

5.2 Metals in Soil

Soil samples collected as part of this investigation were analyzed for metals and mercury using EPA Method 6010B/7471A. The results of these analyses are presented in **Table 2** of this report. Detections of select metals are shown on **Figure 4** and discussed in the following sections.

Arsenic was detected in each of the nine collected soil samples at concentrations ranging from 6.18 to 9.69 milligrams per kilogram (mg/kg), which are above the regulatory screening levels for commercial/industrial soil. However, naturally occurring arsenic levels are generally elevated in soils in southern California. When comparing results to generally accepted background concentrations, all the detections are below the upper-bound arsenic background screening concentration of 12 mg/kg established by the DTSC Human and Ecological Risk Office (HERO) [DTSC, 2020].

Antimony was detected in the shallow soil sample from SV-03 at a concentration of 37.7 mg/kg, which exceeds the ESL for residential soils of 11 mg/kg. No other detections of Antimony were observed in the other soil samples collected at the Site. It is noted that SV-03 is located closest to the 4136 Del Rey building where historic circuit board manufacturing and solvent use was reported.

Lead was detected in each of the nine soil samples at concentrations ranging from 2.81 to 161 mg/kg. Only the maximum concentration, detected in the shallow sample from SV-01, exceeded a regulatory threshold. This detection exceeded the ESL for residential soils of 80 mg/kg.

Mercury was only detected in the shallow soil sample from SV-01 at a concentration of 0.117 mg/kg, below the most conservative screening level of 1 mg/kg for residential soils per DTSC-SLs.

6. GROUNDWATER SAMPLING RESULTS

As part of this limited Phase II ESA investigation, groundwater samples were collected via Hydropunch™ sampling from three locations (HP-01 through HP-03, **Figure 2**). The groundwater samples were analyzed for the following analytical suites:

- VOCs by EPA Method 8260B;
- Title 22 Metals by EPA Method 6010B; and
- Mercury by EPA Method 7471A.

Table 3 includes a summary of VOCs detected in groundwater along with historical data for TPH. **Table 4** includes a summary of Title 22 metals detected in groundwater. The groundwater analytical laboratory reports are included as **Appendix 5**. For comparison purposes, the summary tables include the more conservative analyte screening level (if one is available) from the following regulatory agency guidance:

- Maximum Contaminant Levels (MCLs) provided by the California Environmental Protection Agency [CalEPA, 2019]; and
- California State Water Boards – SFBRWQCB ESLs for Direct Exposure and Groundwater Vapor Intrusion [SFBRWQCB, 2020].

6.1 VOCs in Groundwater

A total of four VOCs, PCE, TCE, *cis*-1,2-dichloroethylene (*cis*-1,2-DCE), and vinyl chloride, were detected across the three groundwater samples collected during this investigation. Detections of these VOCs are presented on **Figure 5**.

PCE was detected in the sample collected from HP-03 at a concentration of 1,1 µg/L. This detection exceeds the ESLs for direct exposure and residential groundwater vapor intrusion, but remains below the California MCL of 5 µg/L and the commercial/industrial vapor intrusion risk ESL of 2.8 µg/L.

The groundwater samples collected at HP-01 and HP-03 both contained TCE at concentrations of 5.8 and 28 µg/L, respectively. Both detections exceed the California MCL of 5 µg/L, with HP-03 also exceeding the commercial/industrial vapor intrusion risk ESL of 7.5 µg/L.

TCE degradation products *cis*-1,2-DCE and vinyl chloride, were both detected in HP-02. *Cis*-1,2-DCE was detected at a concentration of 62 µg/L, well above the MCL of 6 µg/L. The concentration of vinyl chloride in HP-02 was reported at 2.9 µg/L, below the MCL of 5 µg/L, but exceeding the ESLs for direct exposure and vapor intrusion risk. These two VOCs were not detected at the HP-01 or HP-03 locations, which contained detections of TCE.

6.2 Metals in Groundwater

Due to historic Site uses [Rincon, 2020], groundwater samples were collected and analyzed for metals, including mercury, via EPA Method 6010B/7471A. Mercury was not detected in the HydroPunch™ samples collected during this investigation; of the metals detected, five were detected at concentrations exceeding their respective California MCLs. These exceedances are summarized in **Table 4** and presented on **Figure 6**.

Cadmium, chromium, and nickel were detected in the groundwater samples from both HP-01 and HP-02 at concentrations exceeding their respective California MCLs. Arsenic and beryllium also exceeded applicable MCLs in the samples from HP-02 and HP-01, respectively. No exceedances were observed in the sample from HP-03 located downgradient of the former circuit board manufacturing operation at 4136 Del Rey.

7. SOIL VAPOR SAMPLING RESULTS

A total of eight soil vapor samples were collected during the soil vapor investigations and analyzed by a mobile lab for VOCs by EPA Method 8260B. VOC detections in soil vapor are summarized in **Table 5,** and the soil vapor analytical laboratory reports are included as **Appendix 6**. For comparison purposes, the following screening levels are included:

- RSLs for indoor air provided by EPA for residential and industrial land uses [EPA, 2022].
- California Human Health Risk Assessment Note 3 DTSC-Modified Screening Levels for Soil provided by DTSC for residential and commercial/industrial land uses [DTSC, 2020].

Soil vapor screening levels were calculated by dividing the residential and commercial/industrial indoor air screening levels (taken from the abovementioned regulatory guidance) by an attenuation factor (α), which accounts for concentration reduction due to potential diffusion or degradation of VOCs from soil through the building slab into indoor air, therefore potentially resulting in breathing zone exposure. Current regulatory guidance in California recommends an attenuation factor (α) of 0.001 at future residential buildings and an α of 0.0005 at future commercial buildings [DTSC, 2011] while EPA-recommended α for soil vapor to indoor air is 0.03, yielding a much more conservative soil vapor screening level [EPA, 2015]. As such, the VOC detections tabulated in **Table 5** were compared to the three different sets of residential and commercial/industrial soil vapor screening levels determined with α = 0.03 (EPA default), α = 0.001 and α = 0.0005.

A total of twelve VOCs were detected across the soil vapor samples collected. When applying the more conservative EPA attenuation factor of 0.03 to these results, several VOCs (benzene, chloroform, 1,1-DCA, *cis*-1,2-DCE, PCE, TCE, and m,p-xylene) exceed the screening levels for residential soil vapor in one or more samples. These exceedances are presented on **Figure 7** and discussed in the following sections.

7.1.1 Chlorinated Solvents

PCE was detected across each of the eight soil vapor samples at concentrations ranging from 0.016 to 3.98 µg/L (**Figure 7**). Each sample contained PCE above the EPA-attenuated residential screening level of 0.015 µg/L. Of these detections, four were also above the DTSC-attenuated screening level of 0.92 µg/L for PCE in soil vapor at future residential properties. The four exceedances for the DTSC-SL were from samples collected at locations SV-01, SV-02, and SV-03. At each of the sample locations, PCE concentrations were higher in the deep soil vapor probe (11.5-13.5 feet bgs) than in the 6-foot probes.

TCE was detected across each of the eight soil vapor samples at concentrations ranging from 0.028 to 54.5 µg/L (**Figure 7**). Each sample contained TCE above the EPA-attenuated residential screening level of 0.016 for existing residences. Of these detections, five were also above the DTSC-attenuated screening level of 0.96 µg/L for TCE in soil vapor at future residential properties. The highest TCE concentrations were observed in the samples collected at SV-03,

adjacent to the 4136 Del Rey building. At each dual-nest probe location, TCE concentrations were higher in the deeper probes compared to the shallow probes.

Cis-1,2-DCE and 1,1-DCA were both detected in the shallow and deep soil vapor samples collected at SV-03, located adjacent to the 4136 building. Both detections of 1,1-DCA exceeded the EPA-attenuated commercial/industrial screening level. The deep probe detection at SV-03 also exceeded commercial screening levels for *cis*-1,2-DCE, while the shallow detection was below commercial screening levels, but above residential limits. As with the other chlorinated solvents detected, concentrations of *cis*-1,2-DCE and 1,1-DCA were higher in the deeper probe compared to the shallow probe. Neither *cis*-1,2-DCE or 1,1-DCA were detected at concentrations exceeding the DTSC-attenuated SLs for future residences.

7.1.2 Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)

Benzene was detected in soil vapor samples collected at SV-01, SV-02, and SV-03. At each of these locations, the shallow probe samples contained benzene above the EPA-attenuated commercial screening level of 0.014 µg/L. The deep probes at SV-01 and SV-03 both contained benzene below the EPA-attenuated commercial SL, but above the residential SL. Benzene was not detected in the soil vapor sample collected from the deep probe at SV-02. The highest concentration of benzene was observed in the shallow sample collected at SV-01, adjacent to the 4112 Del Rey building.

Other BTEX VOCs that were detected in soil vapor include toluene, ethylbenzene and m,p-xylene. Toluene was detected in each of the soil vapor samples at concentrations ranging from 0.015 to 0.059 µg/L. While none of the toluene detections exceeding applicable screening levels, it is noted that the highest concentration was observed in the shallow vapor sample collected at SV-01. The sole detection of m,p-xylene was observed in the shallow vapor sample collected at SV-02. This detection of 0.017 µg/L slightly exceeded the EPA-attenuated residential screening level of 0.016 µg/L. Ethylbenzene was not detected in any of the soil vapor samples.

No samples contained benzene or m,p-xylene above the less conservative screening levels for future residences of 0.194 and 0.96 µg/L, respectively.

7.1.3 Chloroform

Both the shallow and deep soil vapor samples collected at SV-03 contained detections of chloroform above the EPA-attenuated commercial screening level of 0.018 µg/L, but below the DTSC-attenuated SL of 0.24 µg/L for future residences. The highest concentration (0.166 µg/L) was observed in the deep soil vapor sample, while the shallow vapor concentration of chloroform (0.052 µg/L) was notably lower.

8. INDOOR AIR SAMPLING RESULTS

For the 21 samples analyzed (17 primary samples, 3 ambient air samples, 1 duplicate sample) a total of 35 different VOCs were detected. Laboratory results were compared to DTSC screening levels (DTSC-SLs) for commercial/industrial indoor air, or EPA regional screening levels (RSLs) for analytes where DTSC-SLs are not available. The laboratory results are presented in **Table 7** along with the indoor air results collected by Partner [2021]. A copy of the laboratory report from Air Technology Laboratories (ATL) is included as **Appendix 7**.

8.1 Ambient Air/Background Samples

Three ambient air samples were collected congruent with the indoor air samples collected as part of this assessment. These samples were collected to provide data related to the ambient Site conditions and contextualize the indoor air data. A total of 23 different VOCs were detected across the ambient air samples at generally low concentrations. The detections in the ambient air samples are included in **Table 7**.

8.2 Indoor Air Samples

For the indoor air samples collected as part of this assessment, a total of 35 VOCs were detected in one or more samples. Of these analytes, benzene, bromodichloromethane, chloroform, ethylbenzene, and TCE, were detected at concentrations exceeding potentially applicable screening levels.

8.2.1 TCE

TCE was detected in 9 of the 17 indoor air samples collected at concentrations ranging from 1.2 to 9.3 µg/m^3. Detections of TCE were observed in samples collected at 4112, 4132, 4134, and 4136 Del Rey, while samples collected at 4120 and 4130 did not contain any detections of TCE. These results are consistent with the previous investigation conducted by Partner, in which TCE was not detected in indoor air or sub-slab soil vapor samples from the 4120 and 4130 Del Rey buildings [Partner, 2021]. TCE was not detected in ambient air samples collected as part of this investigation.

Of the nine detections, five exceed the EPA RSL of 3 µg/m^3 for commercial/industrial air. These exceedances are observed in two of the samples collected at 4132 Del Rey and each of the three samples collected at 4112 Del Rey. The detections of TCE in indoor air are presented in **Figure 8**. Samples 4112_1 and 4112_3 contained TCE at concentrations of 9.3 and 8.1 µg/m^3, respectively, exceeding the Accelerated Response Action Level (ARAL) for TCE in commercial air (8-hour workday) of 8 µg/m^3 [DTSC, 2014].

8.2.2 Benzene

Benzene was detected in each of the indoor air samples at concentrations ranging from 1.2 to 31 µg/m^3, and in the ambient air samples at concentrations ranging from 0.83 to 0.98 µg/m^3, exceeding the DTSC-SL of 0.42 µg/m^3 for indoor air in commercial buildings. The highest

concentrations of benzene were observed in the samples collected at 4112 Del Rey, ranging from 26 to 31 µg/m^3. Detections of benzene are presented on **Figure 9**.

8.2.3 Ethylbenzene

Ethylbenzene was detected in each of the indoor air samples at concentrations ranging from 0.52 to 27 µg/m^3. The three samples collected at 4112 Del Rey exceed the EPA RSL of 4.9 µg/m^3 for ethylbenzene in commercial/industrial air, with reported concentrations between 23 and 27 µg/m^3. Detections of ethylbenzene are presented on **Figure 9**.

8.2.4 Chloroform

Chloroform was detected in 15 of the 17 indoor air samples at concentrations ranging from 0.088 to 1 µg/m^3. Chloroform was also detected in the ambient air samples AA_2 and AA_3 at concentrations of 0.13 and 0.056 µg/m^3, respectively. Except for IA_4130_3, detections of chloroform in indoor and ambient air were below the laboratory reporting limit, but above the method detection limit for the analysis. These results are considered estimated and denoted with a "J" in the ATL lab report and **Table 7** of this report. The detections of chloroform in samples IA_4136_3 (0.8J µg/m3) and IA_4130_3 (1 µg/m3) both exceed the DTSC-SL of 0.53 for commercial/industrial indoor air.

8.2.5 Bromodichloromethane

Bromodichloromethane was detected in 2 of the 17 indoor air samples at concentrations of 0.67J µg/m^3 in sample IA_4136_3 and 0.49J µg/m^3 in sample IA_4130_3. Both detections are below the laboratory reporting limit but above the method detection limit for the analysis. These results are considered estimated and denoted with a "J" in the ATL lab report (**Appendix 6**) and **Table 7** of this report.

9. QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Quality assurance and quality control was implemented during field activities. Duplicate soil vapor and indoor air samples were collected and analyzed at a minimum of 10% of the total number of discrete primary samples.

During the sub-surface investigation, a trip blank was included in the sample cooler containing samples that were to be analyzed for VOCs (8260B/5035). The trip blank consisted of two glass volatile organic analysis vials provided by Eurofins that had been filled with de-ionized water and sealed at the lab prior to the field investigation. The trip blank was placed in the cooler with the samples and transported to the lab where it was analyzed for VOCs (8260B) only. No VOCs were detected above the laboratory reporting limit in the trip blank.

One equipment blank was collected to confirm the effectiveness of the decontamination procedure during the sub-surface investigation. The equipment blank was collected by pouring de-ionized water over the soil sampling equipment and into laboratory-provided sample containers. The sample was delivered to the lab and analyzed for VOCs (8260B) along with Title 22 metals and mercury (6010B/7471A). No detections above the laboratory reporting limit were noted in the equipment blank.

10. CONCLUSIONS AND RECOMMENDATIONS

Geosyntec performed a limited Phase II environmental investigation on behalf of MDR in support of the future residential redevelopment plans for the Site. The scope of work involved the collection and analysis of soil, soil vapor, groundwater, and indoor & ambient air samples at the Site. Based on the findings discussed in this report, the Site appears to have been impacted by historic operations, as described in detail below.

MDR has actively engaged with the likely environmental regulatory agency with jurisdiction to provide oversight of environmental conditions at the Site (Oversight Agency), including any required assessment, testing, mitigation and/or remedial measures as may be directed by the Oversight Agency. For this project, it is anticipated that oversight will be provided through the project duration by the Los Angeles County Fire Department (LACFD) Site Mitigation Unit's (SMU) voluntary oversight program. SMU's voluntary oversight program operates under State of California Health and Safety Code §101480-101490 which grants SMU oversight of specified contaminated sites. Pursuant to the California Environmental Quality Act (CEQA), this project is also engaged in a Sustainable Communities Environmental Assessment (SCEA) process.

Considering the results of this investigation and historic Site data, it is anticipated that the Oversight Agency may require additional investigation of soil, soil vapor, and groundwater conditions at the Site, as well as the preparation and implementation of a soil management plan during redevelopment activities and the installation of a vapor barrier beneath the proposed new construction. These actions would be incorporated into the project's SCEA as required mitigation measures. Geosyntec's recommendations for addressing these items are discussed in Section 10.2 of this report, though the Oversight Agency's final directives may vary.

10.1 Conclusions

As outlined in this report, the Site was found to have environmental impacts to soil, groundwater, and soil vapor based on the results of this investigation. The significance of these environmental results and conclusions are summarized by environmental media (i.e., soil, soil vapor, groundwater, indoor air) in the following sections.

10.1.1 Soil

Previous investigations identified elevated concentrations of metals in soil beneath the Site. Environmental results of this limited Phase II ESA are consistent with the previous ESA findings, though detections from this assessment are generally below residential screening levels. No VOCs were detected in soil at concentrations exceeded regulatory screening levels, consistent with previous findings. Single (i.e., localized) detections of lead and antimony in shallow soil exceeded residential screening levels, but do not appear indicative of Site-wide environmental conditions.

Due to access restrictions during the initial field sampling program, Geosyntec was unable to gain access inside the buildings to perform a subsurface investigation. Considering the detections of antimony and lead in shallow soil samples near the 4112 and 4136 Del Rey buildings, the lack of

soil data within the building footprints represents a data gap, particularly at 4136 Del Rey, where the historical "clarify pits" were identified.

10.1.2 Groundwater

Previous investigations identified VOCs, primarily PCE, TCE, and chloroform, in groundwater beneath the Site. Results from this limited Phase II ESA are consistent with previous Site investigations, which identified PCE, TCE, and associated breakdown products *cis*-1,2-DCE and vinyl chloride in groundwater beneath the Site. During this investigation, TCE and *cis*-1,2-DCE were detected at concentrations which exceeded their California drinking water MCLs of 5 and 6 µg/L, respectively. The highest detections of TCE and PCE were observed in the groundwater sample collected adjacent to 4136 Del Rey and, due to the nature of grab sample collection, will likely need further assessment to define potential sources. It is noted that chloroform was not detected in any of the groundwater samples collected at the Site; however, previous investigations by Rincon [2020] that detected chloroform in groundwater samples collected offsite at neighboring properties

Metals concentrations detected in groundwater were elevated compared to previous investigations. Geosyntec notes that unlike groundwater samples collected from an established monitoring well, samples collected using the Hydropunch™ method typically demonstrate higher turbidity (i.e., suspended and/or colloidal soil particles) which can bias analytical results high for metals. When transferred into the laboratory-provided containers, the nitric acid used as a preservative in the container will promote leaching of metals out of these suspended solids and into the sample which is injected into the laboratory analytical device. As such, the elevated metals concentrations compared to previous investigations' results are not considered indicative of significant changes in Site conditions. Concentration trends were consistent with previous results. Previous investigations had observed elevated mercury concentrations; however, mercury was not detected in the groundwater samples collected as part of this investigation.

10.1.3 Soil Vapor

Consistent with previous investigations, VOCs, specifically PCE and TCE, were detected at elevated concentrations in each soil vapor sample beneath the Site. When applying the conservative regulatory attenuation factors and associated screening levels, several VOCs were present in soil vapor above residential screening levels. It is noted that for the chlorinated solvents, which include PCE and TCE, and chloroform, the VOC concentrations were consistently higher in the deep soil vapor probes than in the shallow probes. For the non-chlorinated VOCs (including benzene, toluene, ethylbenzene, and m,p-xylene) the highest concentrations were observed in the shallow vapor samples.

10.1.4 Indoor Air

The results of the indoor air assessment are generally consistent with those presented in Partner's 2021 indoor air and sub-slab vapor investigation [Partner, 2021]. Several VOCs were detected at concentrations exceeding applicable screening levels for indoor air in commercial/industrial properties.

Considering the presence of benzene/ethylbenzene in the ambient air samples, the low-level detections in indoor air may not be representative of subsurface contributions from soil vapor but instead could be due to ambient conditions at/surrounding the property including traffic in the parking lot, which was observed to be active and nearly full for much of the day during sampling. The elevated concentrations of benzene at 4112 Del Rey could be attributed to exhaust emissions and off gassing of gasoline contained in the fuel tanks of the vehicles stored within the building, which included 15 to 20 vehicles on the date of sampling. This is supported by the presence of other fuel additives (e.g., 1,2,4-trimethylbenzene) that were also detected at elevated concentrations in the samples from this building relative to other buildings. At this location benzene concentrations were also above the DTSC-SL of 13 µg/m^3 based on noncancer effects; however, detected concentrations are below the California Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs) for worker exposures. While ambient sources likely contributed to the detections observed in the samples, previous detections of benzene in soil vapor at the Site indicate that a vapor intrusion risk cannot be ruled out.

Previous investigations by Rincon [2020], Partner [2021] along with this assessment did not identify ethylbenzene in soil vapor or sub-slab vapor samples at the Site. Considering the lack of soil vapor detections of ethylbenzene, it is likely that its presence in indoor air at the Site is not indicative of a vapor intrusion source, but rather ambient contributions, or in the case of 4112 Del Rey, the indoor storage of motor vehicles.

TCE was detected in samples collected at the 4112, 4132, 4134, and 4136 buildings, with detections exceeding the EPA RSL for indoor commercial/industrial air at 4112 and 4132 Del Rey. For the samples collected at 4112 Del Rey, TCE was detected at concentrations above the exposure limits for TCE in commercial air (8-hour workday) of 8 µg/m3 [DTSC, 2014]. Considering the elevated concentrations of TCE in soil vapor beneath the site, these indoor air conditions are considered indicative of vapor intrusion.

The elevated concentration of chloroform in the sample from 4130 Del Rey is consistent with detections observed during Partner's indoor air assessment [Partner, 2021]. In Partner's assessment, chloroform was only detected in the indoor air samples from 4130 Del Rey, however detections of chloroform were reported in sub-slab vapor samples from each of the six buildings at the Site [Partner, 2021]. Rincon also reported detections of chloroform in soil vapor samples beneath 4112, 4132, and 4136 Del Rey [Rincon, 2020]. Detections at the site are generally low (below laboratory reporting limits), with the highest concentrations observed in two samples collected in the bathrooms at 4130 and 4136 Del Rey Avenue.

Bromodichloromethane has not been detected in previous soil vapor [Rincon, 2020, Partner, 2021, Geosyntec, 2022] or indoor air sampling [Partner, 2021] at the Site. Additionally, both detections were observed in samples collected in bathrooms and Geosyntec notes that bromodichloromethane is a common additive to potable water. As such, it is unlikely that detections in indoor air are indicative of vapor intrusion from a sub-surface source.

10.2 Recommendations

Considering the above conclusions and State of California environmental regulations, the Oversight Agency may require additional discrete investigations of soil and groundwater at the Site, as well as the preparation and implementation of a Soils and Materials Management Plan (SMMP) during redevelopment activities and the installation of a vapor barrier beneath the proposed new construction.

Geosyntec makes the following recommendations for addressing contaminated environmental media at the site, although the Oversight Agency's final requirements may vary.

10.2.1 Soil

The lack of soil data within the footprints of buildings at the Site presents a data gap, especially due to the exceedances of lead and antimony in soil samples near 4112 and 4136 Del Rey. It is recommended that MDR obtain Oversight Agency approval of additional soil investigation consisting of the collection of soil samples within the footprints of the buildings at 4112, 4132, and 4136 Del Rey. The soil samples from these locations should be analyzed for metals, though samples collected near the historical clarifier at 4136 Del Rey should include analysis of VOCs.

It is further recommended that MDR obtain Oversight Agency approval of a SMMP to be implemented during Site ground disturbance activities. The SMMP will include information related to the Site history, previous investigation results (including the additional soil investigations at 4112, 4132, and 4136 Del Rey), and impacts to soil, and outline protocols for identifying, handling, and disposing of impacted soil in conformance with all applicable regulatory requirements. An example SMMP table of contents is included as **Appendix 8**.

10.2.2 Groundwater

As discussed above, groundwater data collected at the Site as part of this investigation and previous assessments have been derived from groundwater grab samples obtained from temporary installations (i.e., Hydropunch™). Any additional groundwater investigations, if required, will be developed in coordination with the Oversight Agency and completed in general accordance with State of California environmental regulations.

10.2.3 Soil Vapor and Indoor Air

VOCs, particularly PCE and TCE, were observed in soil vapor at concentrations exceeding commercial screening levels. While PCE was not detected in indoor air samples collected as part of this investigation, TCE concentrations in indoor air exceeded commercial levels at 4112 and 4132 Del Rey. Results of the investigation indicate that there is a vapor intrusion risk at the Site. It is recommended that MDR obtain Oversight Agency approval of a vapor barrier to be installed beneath the new proposed construction.

For the indoor air samples collected at 4112 Del Rey, TCE was detected at concentrations above the ARAL for commercial air (8-hour workday) [DTSC, 2014]. Any additional evaluations of

indoor air, if required, will be developed in coordination with the Oversight Agency and completed in general accordance with State of California environmental regulations.

11. REFERENCES

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TABLES

Table 1
Summary of Soil Analytical Results - TPH, Cyanide, and VOCs
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Sample Location	Sample Depth (feet below grade)	Sample Date	Concentration (mg/kg)		Concentration (µg/kg)											
			TPH - EPA Method 8015B(M)	Cyanide - EPA Method 9012A	VOCs-EPA Method 8260B											
			TPH - Gasoline (C6-C10)	Cyanide	1,1,1-TCA	1,1,2-TCA	1,1-DCA	Acetone	Benzene	cis-1,2-DCE	PCE	Toluene	trans-1,2-DCE	TCE	Alcohol (TBA)	Other VOCs
EDI 2019 Investigation																
SB1	**1**	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	**12**	ND	ND	**160**	ND	ND
	5	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND	ND
SB2	**1**	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	**16**	ND	ND	**90**	ND	ND
	5	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND	ND
SB4	**1**	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	10/9/2019	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rincon 2020 Investigation																
RB9	1	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB10	1	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	7/27/2020	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB11	1	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB12	1	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	7/27/2020	–	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB13	1	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**37**	ND	ND
	5	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**65**	ND	ND
RB14	1	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND
	5	7/27/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**32**	**28**	ND
RB15	1	7/29/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	ND	ND
	5	7/29/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.7**	ND	ND
RB16	1	7/29/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**47**	ND	ND
	5	7/29/2020	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**21**	ND	ND
Geosyntec 2022 Investigation																
HP-01	2	3/29/2022	–	–	ND	ND	ND	**52**	ND	ND	ND	ND	ND	ND	ND	ND
	10	3/29/2022	–	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HP-02	2	3/29/2022	–	–	ND	ND	ND	**23**	ND	ND	ND	ND	ND	ND	ND	ND
	10	3/29/2022	–	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HP-03	2	3/29/2022	–	–	ND	ND	ND	**66**	ND	ND	ND	ND	ND	ND	ND	ND
	10	3/29/2022	–	–	ND	ND	ND	ND	ND	ND	**1.4**	ND	ND	ND	ND	ND
SV-01	2	3/29/2022	–	–	ND	ND	ND	ND	**12**	ND	**2**	**2.1**	**2.1**	**38**	ND	ND
SV-02	2	3/29/2022	–	–	ND	ND	ND	**23**	ND	ND	ND	ND	ND	ND	ND	ND
SV-03	2	3/29/2022	–	–	**33**	**1.4**	**3.1**	**57**	ND	**7**	**97**	ND	**2.6**	**740**	ND	ND
RSL (Residential)			520	NE	8,100,000	1,100	3,600	70,000,000	1,200	160,000	24,000	4,900,000	70,000	940	1,400,000	Various
RSL (Commercial)			2,200	NE	36,000,000	5,000	16,000	1,100,000,000	5,100	2,300,000	100,000	47,000,000	300,000	6,000	6,500,000	Various
ESL (Residential)			430	5.5	NE	1,200	3,600	NE	330	NE	590	NE	NE	950	NE	Various
ESL (Commercial/Industrial)			2,000	25	NE	5,100	16,000	NE	1,400	NE	2,700	NE	NE	6,100	NE	Various

Notes:

bold	Constituent detected at or above laboratory reporting limit
–	Not analyzed
mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram
ND	Constituent not detected at or above associated laboratory reporting Limit
NE	Screening level not established
RSL	EPA Regional Screening Level (May 2021)
ESL	San Francisco Bay Regional Water Quality Control Board Screening Level (July 2020)

Table 2
Summary of Soil Analytical Results - Metals
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Sample ID	Sample Depth (feet below grade)	Sample Date	Concentration (mg/kg)																					
			Metals - EPA Method 6010B/7471A/7199																					
				Arsenic								Copper		Lead										
			Antimony	TTLC (mg/kg)	STLC (mg/L)	TCLP (mg/L)	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	TTLC (mg/kg)	STLC (mg/L)	TTLC (mg/kg)	STLC (mg/L)	TCLP (mg/L)	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium*	Vanadium	Zinc
EDI 2019 Investigation																								
SB1	**1**	10/9/2019	ND	ND	--	--	**112**	ND	ND	**9.66**	--	**3.18**	**7.4**	--	**1.72**	--	--	--	ND	**5.09**	ND	ND	ND	**32.7**	**21.3**
	5	10/9/2019	ND	**4.5**	--	--	**81.6**	ND	ND	**23.1**	--	**6.27**	**16**	--	**3.32**	--	--	--	**2.97**	**16.6**	ND	ND	ND	**52.3**	**34.3**
SB2	**1**	10/9/2019	ND	ND	--	--	**182**	ND	**0.926**	**61.3**	--	**7.48**	**7.48**	--	**14.8**	--	--	--	**1**	**14.6**	ND	ND	ND	**48.2**	**92.3**
	5	10/9/2019	ND	**3.17**	--	--	**69.9**	ND	ND	**24.7**	--	**6.26**	**16.3**	--	**3.52**	--	--	--	**2.06**	**20.6**	ND	ND	ND	**51**	**35.2**
SB4	**1**	10/9/2019	ND	**3.36**	--	--	**108**	ND	ND	**23**	--	**6.22**	**19.5**	--	**27.9**	--	--	--	**1.32**	**14.9**	ND	ND	ND	**47.4**	**268**
	5	10/9/2019	ND	**4.47**	--	--	**82.2**	ND	ND	**25.4**	--	**6.61**	**16.2**	--	**3.18**	--	--	--	**1.35**	**21.5**	ND	ND	ND	**56.4**	**38.8**
Rincon 2020 Investigation																								
RB11	1	7/27/2020	ND	**7.1**	–	–	**110**	**0.48**	ND	**28**	ND	**16**	**23**	–	**12**	–	–	ND	**1.3**	**22**	ND	ND	ND	**50**	**57**
	5	7/27/2020	ND	**9.3**	–	–	**120**	**0.56**	**0.82**	**31**	ND	**7.8**	**32**	–	**140**	**65**	ND	ND	**2**	**26**	ND	ND	ND	**56**	**89**
	10	7/27/2020	ND	**6.3**	–	–	**63**	ND	ND	**23**	ND	**6.5**	**15**	–	**3.5**	–	–	ND	ND	**20**	ND	ND	ND	**37**	**36**
	15	7/27/2020	ND	**5.9**	–	–	**110**	**0.58**	ND	**29**	ND	**8.6**	**18**	–	**4.9**	–	–	ND	ND	**24**	ND	ND	ND	**55**	**58**
	20	7/27/2020	ND	**16**	–	–	**140**	**1.1**	ND	**49**	ND	**13**	**41**	–	**8.6**	–	–	ND	**2.6**	**41**	ND	ND	ND	**95**	**87**
RB12	1	7/27/2020	ND	**11**	–	–	**140**	**0.67**	ND	**36**	ND	**11**	**26**	–	**5.2**	–	–	ND	**2.1**	**32**	ND	ND	ND	**67**	**55**
	5	7/27/2020	ND	**11**	–	–	**120**	**0.7**	ND	**38**	ND	**9.7**	**28**	–	**5.2**	–	–	ND	**2.1**	**32**	ND	ND	ND	**68**	**56**
	10	7/27/2020	ND	**8.3**	–	–	**100**	**0.5**	ND	**31**	ND	**7.7**	**22**	–	**4.4**	–	–	ND	**1.7**	**26**	ND	ND	ND	**54**	**50**
	15	7/27/2020	ND	**6.7**	–	–	**610**	**0.59**	**0.83**	**28**	ND	**11**	**19**	–	**4.9**	–	–	ND	**1.7**	**26**	ND	ND	ND	**54**	**55**
	20	7/27/2020	ND	**8**	–	–	**79**	**0.61**	ND	**31**	ND	**9.4**	**22**	–	**4.6**	–	–	ND	ND	**22**	ND	ND	ND	**57**	**47**
RB13	1	7/28/2020	ND	**6.3**	–	–	**140**	**0.55**	**0.71**	**39**	ND	**11**	**32**	–	**24**	–	–	ND	**2.6**	**32**	ND	ND	ND	**50**	**92**
	5	7/28/2020	ND	**5.3**	–	–	**72**	ND	**0.62**	**29**	ND	**7.8**	**21**	–	**7.9**	–	–	ND	**1.5**	**22**	ND	**0.7**	ND	**46**	**61**
RB14	1	7/28/2020	ND	**32**	–	–	**110**	ND	ND	**23**	**0.45**	**4**	**860**	**33**	**29**	–	–	ND	ND	**16**	ND	**0.67**	ND	**41**	**52**
	5	7/28/2020	ND	**78**	**1.1**	–	**95**	ND	ND	**5.9**	ND	**65**	**220**	–	**56**	**0.3**	–	ND	**1.5**	**5**	ND	ND	ND	**11**	**11**
RB15	1	7/29/2020	ND	**8.9**	–	–	**150**	**0.65**	ND	**36**	**0.44**	**12**	**32**	–	**23**	–	–	ND	ND	**29**	ND	**0.71**	ND	**59**	**95**
	5	7/29/2020	ND	**6.3**	–	–	**220**	**0.84**	ND	**47**	**0.47**	**14**	**39**	–	**16**	–	–	ND	ND	**40**	ND	ND	ND	**67**	**120**
RB16	1	7/29/2020	ND	**5.9**	–	–	**94**	ND	ND	**28**	**0.5**	**6.7**	**20**	–	**3.5**	–	–	ND	ND	**19**	ND	**0.59**	ND	**45**	**49**
	5	7/29/2020	ND	**6.3**	–	–	**74**	ND	ND	**29**	**0.46**	**7.6**	**19**	–	**4.3**	–	–	ND	ND	**20**	ND	ND	ND	**49**	**47**
Geosyntec 2022 Investigation																								
HP-01	2	3/29/2022	ND<10.1	**7.21**	–	–	**115**	ND	**0.729**	**28.1**	–	**7.9**	**37.8**	–	**34.2**	–	–	ND	ND	**22.1**	ND	ND	ND	**42.9**	**118**
	10	3/29/2022	ND<10.2	**7.22**	–	–	**63.2**	ND	ND	**24.4**	–	**5.57**	**19.3**	–	**3.74**	–	–	ND	ND	**18.8**	ND	ND	ND	**38.9**	**36.8**
HP-02	2	3/29/2022	ND<9.90	**6.18**	–	–	**91.9**	ND	**0.619**	**26.8**	–	**7.4**	**24.5**	–	**16.3**	–	–	ND	ND	**19.2**	ND	ND	ND	**40**	**58.9**
	10	3/29/2022	ND<10.2	**7.67**	–	–	**66.1**	ND	ND	**23.4**	–	**5.33**	**17**	–	**4.25**	–	–	ND	ND	**19**	ND	ND	ND	**37.5**	**36.2**
HP-03	2	3/29/2022	ND<9.90	**7.25**	–	–	**70.8**	ND	ND	**26.5**	–	**9.25**	**45.1**	–	**5.16**	–	–	ND	ND	**20.3**	ND	ND	ND	**40.5**	**37.2**
	10	3/29/2022	ND<9.85	**6.5**	–	–	**76.1**	ND	ND	**31.4**	–	**5.63**	**19.4**	–	**2.81**	–	–	ND	ND	**22**	ND	ND	ND	**46.8**	**45**
SV-01	2	3/29/2022	ND<10.1	**9.06**	–	–	**156**	ND	**0.955**	**30.2**	–	**7.55**	**48**	–	**161**	–	–	**0.117**	**2.24**	**19.1**	ND	ND	ND	**39.1**	**218**
SV-02	2	3/29/2022	ND<10.0	**6.68**	–	–	**80.8**	ND	ND	**23.3**	–	**6.65**	**18.6**	–	**3.28**	–	–	ND	ND	**15.8**	ND	ND	ND	**35.7**	**44.3**
SV-03	2	3/29/2022	**37.7**	**9.69**	–	–	**96.5**	ND	**1.06**	**30.9**	–	**6.47**	**56**	–	**79.6**	–	–	ND	ND	**18.8**	ND	ND	ND	**34.4**	**499**
Background Concentration			0.15-1.95	0.6-11	NA	NA	133-1,400	0.25 - 2.70	0.05-1.70	23-1,579	NE	27-46.9	9.1-96.4	NA	12.4-97.1	NA	NA	0.05 - 0.90	0.1-9.6	9.0 - 509	0.015 - 0.430	0.10-8.3	0.17-1.1	39 - 288	88 - 236
DTSC SL (Residential Soil)			NE	0.11	NA	NA	NE	16	910	NE	0.3	NE	NE	NA	80	NA	NA	1	NE	820	NE	NE	NE	NE	NE
DTSC SL (Commercial-Industrial Soil)			NE	0.35	NA	NA	NE	230	4,000	NE	6.2	NE	NE	NA	320	NA	NA	4.4	NE	11,000	NE	NE	NE	NE	NE
RSL (Residential Soil)			31	0.68	NA	NA	15,000	160	71	NE	0.3	23	3,100	NA	400	NA	NA	11	390	1,500	390	390	0.78	390	23,000
RSL (Industrial Soil)			470	3	NA	NA	220,000	2,300	980	NE	63	350	47,000	NA	800	NA	NA	46	5,800	22,000	5,800	5,800	12	5,800	350,000
ESL (Residential)			11	0 067	NA	NA	15,000	16	78	NE	0.3	23	3,100	NA	80	NA	NA	13	390	820	390	390	0.78	390	23,000
ESL (Commercial Industrial)			160	0.31	NA	NA	220,000	230	1,100	NE	6.2	350	47,000	NA	320	NA	NA	190	5,800	11,000	5,800	5,800	12	5,800	350,000
Most Conservative Screening Level			11	0.11	NA	NA	15,000	16	71	NA	0.3	23	3,100	NA	80	NA	NA	1	390	820	390	390	0.78	390	23,000

Notes:
* - The laboratory reporting limit for thallium is less than the residential screening levels/background concentration range

bold	Constituent detected at or above laboratory reporting limit
shaded	Constituent detected at or above screening level
–	Not analyzed
mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram
NA	Not applicable
ND<	Constituent not detected at or above associated laboratory reporting Limit
NE	Screening level not established
TTLC	Toxicity Characteristic Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Total Threshold Limit Concentration
RSL	EPA Regional Screening Level (May 2021)
ESL	San Francisco Bay Regional Water Quality Control Board Screening Level (July 2020)
DTSC-SL	California Department of Toxic Substance Control Screening Level (June 2020)

Table 3
Summary of Groundwater Analytical Results - TPH and VOCs
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Sample Location	Groundwater Depth (ft bgs)	Sample Date	Concentration (µg/L)					
			TPH - EPA Method 8015B(M)	VOCs - EPA Method 8260B				
			TPH - Gasoline (C6-C10)	Chloroform	cis-1,2-DCE	PCE	TCE	Vinyl Chloride
EDI 2019 Investigation								
GW2	25	10/9/2019	–	**7.5**	ND	ND	ND	ND
GW3	25	10/9/2019	–	ND	ND	ND	ND	ND
GW4	25	10/9/2019	–	ND	ND	ND	ND	ND
Rincon 2020 Investigation								
RB4	26	7/27/2020	–	ND	ND	ND	**5.5**	ND
RB5	26	7/27/2020	–	ND	ND	ND	ND	ND
RB6	23	7/27/2020	–	**7.9**	ND	ND	ND	ND
RB7	23	7/27/2020	–	**8.2**	ND	ND	ND	ND
RB8	23	7/27/2020	–	ND	ND	ND	ND	ND
RB9	20	7/27/2020	ND	ND	ND	ND	ND	ND
R810	20	7/27/2020	ND	ND	ND	ND	ND	ND
R811	25	7/27/2020	–	**9.5**	ND	ND	ND	ND
RB12	25	7/27/2020	–	**11**	ND	ND	ND	ND
R817	28	9/10/2020	–	ND	ND	ND	ND	ND
R818	28	9/10/2020	–	ND	ND	ND	ND	ND
R819	28	9/10/2020	–	ND	ND	ND	ND	ND
RB20	28	9/10/2020	–	ND	ND	**7.2**	ND	ND
Geosyntec 2022 Investigation								
HP-01	21	3/29/2022	–	ND	ND	ND	**5.8**	ND
HP-02	24	3/29/2022	–	ND	**62**	ND	ND	**2.9**
HP-03	24	3/29/2022	–	ND	ND	**1.1**	**28**	ND
California MCL			NE	NE	6	5	5	5
ESL (Direct Exposure)			760	0.22	NE	0.06	0.49	0.0097
ESL (Residential Groundwater Vapor Intrusion)			NE	0.81	NE	0.64	1.2	0.0086
ESL (Commercial Industrial Groundwater Vapor Intrusion)			NE	3.6	NE	2.8	7.5	0.14

Notes:

bold	Constituent detected at or above laboratory reporting limit
shaded	Constituent detected at or above screening level
–	Not analyzed
mg/L	milligrams per liter
µg/L	micrograms per liter
ND<	Constituent not detected at or above associated laboratory reporting Limit
NE	Screening level not established
MCL	California Environmental Protection Agency Maximum Containment Level, updated March 2019
ESL	San Francisco Bay Regional Water Quality Control Board Screening Level (July 2020)

Table 4
Summary of Groundwater Analytical Results - Metals
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Sample ID	Sample Depth (ft bgs)	Sample Date	Concentration (µg/L)																	
			Metals - EPA Method 6010B/7471A/7199																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molyb--denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Rincon 2020 Investigation																				
RB11-GW	25	7/27/2020	**0.077**	**0.85**	**13**	**0.073**	ND	**3.9**	ND	**1.5**	**2.8**	**0.56**	**11**	**0.33**	**2.2**	ND	**0.028**	**0.059**	**4.7**	**3.7**
RB12-GW	25	7/27/2020	**0.05**	**0.42**	**7.1**	**0.033**	**0.019**	**1.4**	ND	**0.43**	**1.3**	**029**	**7.9**	**0.22**	**1.3**	ND	ND	ND	**2.3**	**2.1**
RB17-GW	28	9/10/2020	–	–	–	–	–	–	–	–	–	–	**10**	–	–	–	–	–	–	–
RB18-GW	28	9/10/2020	–	–	–	–	–	**7.0**	–	–	–	–	**7.0**	–	–	–	–	–	–	–
RB19-GW	28	9/10/2020	–	–	–	–	–	–	–	–	–	–	**7 1**	–	–	–	–	–	–	–
RB20-6W	28	9/10/2020	–	–	–	–	–	-	–	–	–	–	**7.9**	–	–	–	–	–	–	–
Geosyntec 2022 Investigation																				
HP-01	21	3/29/2022	ND	ND	**821**	**6**	**8.9**	**114**	–	**84.1**	**114**	**8.2**	ND	ND	**111**	ND	ND	ND	**260**	**585**
HP-02	24	3/29/2022	ND	**44.7**	**606**	**3.3**	**12.9**	**204**	–	**60.3**	**154**	**14**	ND	**48.9**	**141**	ND	ND	ND	**219**	**1140**
HP-03	24	3/29/2022	ND	ND	**234**	ND	ND	**44.5**	–	**20.8**	**39.3**	ND	ND	ND	**35.6**	ND	ND	ND	**69.9**	**102**
		California MCL	6	10	1,000	4	5	50	NE	NE	1,300	15	2	NE	100	50	NE	2	NE	NE

Notes:

bold	Constituent detected at or above laboratory reporting limit
shaded	Constituent detected at or above screening level
–	Not analyzed
µg/L	micrograms per liter
ND<	Constituent not detected at or above associated laboratory reporting Limit
NE	Screening level not established
MCL	California Environmental Protection Agency Maximum Containment Level, updated March 2019

Table 5
Summary of Soil Vapor Analytical Results - VOCs
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Location	Depth (ft bgs)	Sample Date	Concentration (µg/L)													
			VOCs - EPA Method 8260B													
			Benzene	Chloroform	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,2,4-Trimethylbenzene	4-Isopropyltoluene	PCE	Toluene	TCE	m,p-Xylene	o-Xylene
EDI 2019 Investigation																
SV-1	5	10/9/2019	ND	ND	ND	**1.6**	ND	ND	ND	ND	ND	**2.5**	ND	**40**	ND	ND
SV-1-I	sub-slab	10/9/2019	ND	ND	ND	ND	ND	ND	ND	**0.44J**	ND	ND	**2.4**	**8.3**	**2**	**0.76**
SV-2	5	10/9/2019	ND	ND	ND	**0.89**	ND	ND	**3.2**	ND	ND	**7.3**	ND	**75**	ND	ND
SV-2-I	sub-slab	10/9/2019	ND	ND	ND	ND	ND	ND	ND	**0.25J**	ND	ND	**0.73**	**8.7**	**0.99**	**0.76**
SV-3	5	10/9/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.4**	ND	ND
Rincon 2020 Investigation																
RB1	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB2	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB3	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB4	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.12**	ND	ND
RB5	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.22**	ND	**0.36**	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.02**	ND	**0.02**	ND	ND
RB6	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB7	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB8	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.03**	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.03**	ND	ND	ND	ND
RB9	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB10	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	ND	**0.08**	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.32**	ND	**0.15**	ND	ND
RB11	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.04**	ND	ND
	15	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV rSL-EPA Default [1]			0.003	0.004	0.060	2.4	0.277	1.40	33.33	2.1	NE	0.015	10	0.016	0.016	0.016
SV cSL-EPA Default [1]			0.014	0.018	0.257	10.3	1.17	6.00	146.67	8.67	NE	0.067	43	0.10	0.100	0.100
SV rSL-Exst. Bldgs. [2]			0.097	0.120	1.80	73.00	8.30	42	1000	63	NE	0.46	310	0.48	0.480	0.480
SV cSL-Exst. Bldgs. [2]			0.420	0.530	7.70	310.00	35.00	180	4400	260	NE	2.0	1,300	3.0	3.00	3.00
SV rSL-Fut. Bldgs. [3]			0.194	0.240	3.60	146.00	16.60	84	2000	126	NE	0.92	620	0.96	0.960	0.960
SV cSL-Fut. Bldgs. [3]			0.840	1.06	15.40	620.00	70.00	360	8800	520	NE	4.0	2,600	6.0	6.00	6.00

Notes:

Only analytes with one or more detections are shown in the table

bold - Constituent detected at or above laboratory reporting limit

shaded	Detection above residential soil vapor screening level but below commercial/industrial derived using EPA default attenuation factor (0.03)
shaded	Detection above commercial soil vapor screening level derived using EPA default attenuation factor (0.03)

NE - Screening level Not Established

ND< - Constituent not detected at or above associated laboratory reporting Limit

µg/L - microgram per liter

Indoor air screening level values used to calculate the soil vapor screening levels for the different analytes are the lower of the California DTSC Note 3 Screening Levels (CA DTSC-SLs), June 2020, or USEPA RSLs, May 2021, for commercial/industrial soil vapor

(1) Residential or commercial soil vapor screening level derived using EPA default attenuation factor (0.03)

(2) Residential or commercial soil vapor screening level derived using existing commercial buildings attenuation factor (0.001, [CalEPA, 2011])

(3) Residential or commercial soil vapor screening level derived using future commercial buildings attenuation factor (0.0005, [CalEPA, 2011])

Table 5 (continued)
Summary of Soil Vapor Analytical Results - VOCs
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Location	Depth (ft bgs)	Sample Date	Concentration (µg/L)													
			VOCs - EPA Method 8260B													
			Benzene	Chloroform	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,2,4-Trimethylbenzene	4-Isopropyltoluene	PCE	Toluene	TCE	m,p-Xylene	o-Xylene
Rincon 2020 Investigation																
RB12	5	7/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.05**	ND	ND
	15	7/30/2020	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.56**	ND	ND
RB13	5	7/30/2020	ND	**0.04**	ND	ND	ND	ND	ND	ND	ND	**0.11**	ND	**4.41**	ND	ND
RB14	5	7/30/2020	ND	**0.28**	ND	ND	ND	ND	ND	ND	ND	**0.19**	ND	**6.72**	ND	ND
RB15	5	7/30/2020	ND	**0.01**	ND	ND	ND	ND	ND	ND	ND	**0.03**	ND	**1.97**	ND	ND
RB16	5	7/30/2020	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	**0.1**	ND	**4.12**	ND	ND
RB17	5	9/11/2020	ND	**0.03**	ND	ND	ND	ND	ND	ND	ND	**0.12**	ND	**4.85**	ND	ND
	15	9/11/2020	ND	**0.04**	ND	ND	ND	ND	ND	ND	ND	**0.23**	ND	**6.73**	ND	ND
RB18	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.07**	ND	**0.1**	ND	ND
	15	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.02**	ND	**0.05**	ND	ND
RB19	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.06**	ND	ND
	15	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.01**	ND	**0.09**	ND	ND
RB20	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.03**	ND	ND	ND	ND
	15	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	ND	ND	ND	ND
RB21	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.73**	ND	**1.05**	ND	ND
RB22	4	9/11/2020	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	**2.99**	ND	**4.04**	ND	ND
RB23	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.41**	ND	**0.33**	ND	ND
RB24	5	9/11/2020	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.35**	ND	ND
RB25	5	9/11/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.24**	ND	**9.88**	ND	ND
RB26	5	9/11/2020	ND	**0.27**	ND	ND	ND	ND	**7.71**	ND	ND	**1.8**	ND	**179.82**	ND	ND
Geosyntec 2022 Investigation																
SV-01	6	3/30/2022	**0.052**	ND	ND	ND	ND	ND	**0.122**	ND	ND	**0.078**	**0.059**	**0.728**	ND	ND
	12.5	3/30/2022	**0.009**	ND	ND	ND	ND	ND	**0.104**	ND	ND	**0.737**	**0.025**	**1.30**	ND	ND
SV-02	6	3/30/2022	**0.021**	ND	ND	ND	ND	ND	ND	ND	ND	**0.041**	**0.039**	**0.028**	**0.017**	ND
	11.5	3/30/2022	ND	ND	ND	ND	ND	ND	**0.016**	ND	ND	**0.246**	**0.015**	**0.182**	ND	ND
SV-03	6	3/30/2022	**0.018**	**0.052**	**0.419**	**0.215**	**0.279**	**0.141**	**0.443**	ND	ND	**1.04**	**0.022**	**19.0**	ND	ND
	13.5	3/30/2022	**0.010**	**0.166**	**1.91**	**0.371**	**1.68**	**0.225**	**0.714**	ND	**0.048**	**3.98**	**0.023**	**54.5**	ND	ND
SV-04	6	3/30/2022	ND	ND	ND	ND	ND	ND	ND	ND	**0.061**	**0.016**	**0.016**	**0.144**	ND	ND
	11.5	3/30/2022	ND	ND	**0.014**	ND	ND	ND	ND	ND	**0.026**	**0.043**	**0.015**	**0.093**	ND	ND
SV rSL-EPA Default [1]			0.003	0.004	0.060	2.4	0.277	1.40	33.33	2.1	NE	0.015	10	0.016	0.016	0.016
SV cSL-EPA Default [1]			0.014	0.018	0.257	10.3	1.17	6.00	146.67	8.67	NE	0.067	43	0.10	0.100	0.100
SV rSL-Exst. Bldgs. [2]			0.097	0.120	1.8	73	8	42	1000	63	NE	0.46	310	0.48	0.480	0.480
SV cSL-Exst. Bldgs. [2]			0.420	0.530	7.7	310	35	180	4,400	260	NE	2.0	1,300	3.0	3.00	3.00
SV rSL-Fut. Bldgs. [3]			0.194	0.240	3.6	146	17	84	2,000	126	NE	0.92	620	0.96	0.960	0.960
SV cSL-Fut. Bldgs. [3]			0.840	1.06	15.4	620	70	360	8,800	520	NE	4.0	2,600	6.0	6.00	6.00

Notes:

Only analytes with one or more detections are shown in the table

bold - Constituent detected at or above laboratory reporting limit

shaded	Detection above residential soil vapor screening level but below commercial/industrial derived using EPA default attenuation factor (0.03)
shaded	Detection above commercial soil vapor screening level derived using EPA default attenuation factor (0.03)

NE - Screening level Not Established

ND< - Constituent not detected at or above associated laboratory reporting Limit

µg/L - microgram per liter

Indoor air screening level values used to calculate the soil vapor screening levels for the different analytes are the lower of the California DTSC Note 3 Screening Levels (CA DTSC-SLs), June 2020, or USEPA RSLs, May 2021, for commercial/industrial soil vapor

(1) Residential or commercial soil vapor screening level derived using EPA default attenuation factor (0.03)

(2) Residential or commercial soil vapor screening level derived using existing commercial buildings attenuation factor (0.001, [CalEPA, 2011])

(3) Residential or commercial soil vapor screening level derived using future commercial buildings attenuation factor (0.0005, [CalEPA, 2011])

70

293.3

Table 6
Indoor/Ambient Air Sampling Locations
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Sample ID	Building Number	Tenant	Location	Notes
AA_1	N/A	Parking lot	West Exit Gate	Heavy traffic at the Site. Larger number of vehicles in the parking lot due to filming activity at Rouge MoCap
AA_2			North Parking Lot	
AA_3			South Parking Lot	
IA_4112_1	4112	The Motoring Club	Men's Bathroom	Approximately 15-20 vehicles stored in the building at the time of sampling
IA_4112_2			Lounge Area	
IA_4112_3			Conference Room	
IA_4120_1	4120	Vacant	Open Office Area	Building is vacant. HVAC/AC not running during the time of sampling
IA_4120_2			Office on west end	
IA_4120_3			Men's Bathroom	
IA_4130_1	4130	Rouge MoCap	Audio Capture Room	
IA_4130_2			1st floor open office area	Heavier than normal traffic due to filming activities
IA_4130_3			Men's bathroom	
IA_4132_1	4132	BizHaus	BizHaus Open Office Area	
IA_4132_2			Vacant Open office area	Vacant half of building not running HVAC/AC
IA_4132_3			Kitchen	
IA_4134_1	4134	Vacant	East Open Office Area	Building is vacant. HVAC/AC not running during the time of sampling
IA_4134_2			Women's Bathroom	
IA_4134_3			Reception Desk	
IA_4136_1	4136	BizHaus	Open Office Area	Sample not analyzed due to cannister failure
IA_4136_2			Reception Lounge	
IA_4136_3			Men's Bathroom	

Table 7
Summary of VOC Detections in Indoor and Ambient Air
4112 Del Rey Avenue Project
4112-4136 Del Rey Avenue
Marina Del Rey, Califorina

Geosyntec consultants

Sample ID	Sample Address (Del Rey Avenue)	Sample Date	Concentration (µg/m³)																																			
			VOCs - EPA Method 8260B																																					
			1,1,1-Trichloroethane	1,1,2-Cl 1,2,2-F ethane (113)	1,2,4-Trimethylbenzene	1,2-Cl-1,1,2,2-F ethane (114)	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Ethyl Toluene	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromomethane	c-1,2-Dichloroethene	c-1,3-Dichloropropene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloromethane	Dibromochloromethane	Dichlorodifluoromethane (12)	Ethylbenzene	Methylene Chloride	o-Xylene	p,&m-Xylene	Styrene	t-1,3-Dichloropropene	t-Butyl Methyl Ether (MTBE)	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (11)
Partner 2021 Investigation (µg/m³)																																						
NWBG (Ambient Air)	Parking Lot	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.39 J**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.2**	NA	**2.5**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.64 J**	<1.4	**1.6**
SWBU (Ambient Air)		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1**	NA	**2.4**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.69 J**	<1.4	**1.6**
CBA (Ambient Air)		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.4**	NA	**2.4**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.53 J**	<1.4	**1.5**
IAQ-1A	4136	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.5 J**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.3**	NA	**2.3**	<1.1	NA	<1.1	**1.7 J**	<1.1	NA	NA	<1.7	**2.1**	**1.1 J**	**1.6**
IAQ-1B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**1.2**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.2**	NA	**2.7**	**1.6**	NA	**2.1**	**6.7**	<1.1	NA	NA	<1.7	**7.7**	<1.4	**1.7**
IAQ-1C		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.44 J**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.3**	NA	**2.1**	<1.1	NA	<1.1	**1.4 J**	<1.1	NA	NA	<1.7	**2.2**	**0.87 J**	**1.4**
IAQ-2A	4132	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.4**	NA	**2.3**	<1.1	NA	<1.1	**1 J**	<1.1	NA	NA	<1.7	**1.7**	**1.1 J**	**1.5**
IAQ-2B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.5**	NA	**2.2**	<1.1	NA	<1.1	**1.1 J**	<1.1	NA	NA	<1.7	**1.9**	**1.1 J**	**1.6**
IAQ-2C		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**0.86**	NA	**2.3**	<1.1	NA	<1.1	**0.87 J**	**1.9**	NA	NA	<1.7	**1.4**	**2.9**	**1.5**
IAQ-3A	4134	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.4**	NA	**2.3**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	<0.96	<1.4	**1.5**
IAQ-3B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.5**	NA	**2.3**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	<0.96	<1.4	**1.5**
IAQ-3C		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1**	NA	**2.4**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	<0.96	<1.4	**1.6**
IAQ-4A	4112	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**6.5**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.5**	NA	**2.9**	**6.4**	NA	**9.6**	**31**	<1.1	NA	NA	<1.7	**52**	**4.3**	**1.6**
IAQ-4B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**9.6**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.5**	NA	**3.2**	**9.1**	NA	**14**	**44**	<1.1	NA	NA	<1.7	**74**	**5.5**	**1.5**
IAQ-4C		6/2/2021	<1.4	NA	NA	NA	**0.62 J**	NA	NA	NA	NA	NA	NA	NA	**32**	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.4**	NA	**5.7**	**26**	NA	**38**	**120**	**0.82 J**	NA	NA	<1.7	**200**	**7.4**	**1.6**
IAQ-5A	4130	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.55 J**	<1.7	NA	NA	NA	NA	NA	NA	**0.72 J**	**0.66**	NA	**2.2**	**1 J**	NA	**1.1**	**3.6**	<1.1	NA	NA	<1.7	**4**	<1.4	**1.6**
IAQ-5B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.46 J**	<1.7	NA	NA	NA	NA	NA	NA	**1.1 J**	**1.4**	NA	**2.2**	**1.1**	NA	**1.3**	**3.9**	<1.1	NA	NA	<1.7	**3.8**	<1.4	**1.5**
IAQ-5C		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	**0.52 J**	<1.7	NA	NA	NA	NA	NA	NA	**0.74 J**	**1.3**	NA	**2.2**	**1.3**	NA	**1.6**	**4.5**	**0.64 J**	NA	NA	<1.7	**5**	<1.4	**1.5**
IAQ-6A	4120	6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.1**	NA	**2.4**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.49 J**	<1.4	**1.6**
IAQ-6B		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.2**	NA	**2.5**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.58 J**	<1.4	**1.6**
IAQ-6B DUPLICATE		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.5**	NA	**2.3**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	<0.96	<1.4	**1.5**
IAQ-6C		6/2/2021	<1.4	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<0.81	<1.7	NA	NA	NA	NA	NA	NA	<1.2	**1.4**	NA	**2.3**	<1.1	NA	<1.1	<2.2	<1.1	NA	NA	<1.7	**0.48 J**	<1.4	**1.6**
Geosyntec 2022 Investigation (µg/m³)																																						
AA_1	Parking Lot	11/30/2022	<1.1	**0.24 J**	**0.38 J**	<1.4	<0.81	**0.095 J**	<1.2	**3.6**	<0.8	**0.39 J**	**0.48**	**13**	**0.93**	<1.3	<0.8	<0.8	<0.9	**8.3**	**0.23 J**	<0.92	<0.98	**1.2**	<1.7	**1.9**	**0.34 J**	**0.42 J**	**0.41 J**	**1**	**0.11 J**	<1.8	<0.7	<1.4	**1.8**	<1.1	**0.94 J**
AA_2		11/30/2022	<1.1	**0.48 J**	**0.47 J**	**0.13 J**	<0.81	**0.13 J**	<1.2	**28**	**0.29 J**	**0.49 J**	**0.84**	**32**	**0.98**	<1.3	**0.26 J**	<0.8	<0.9	**9.4**	**0.34 J**	<0.92	**0.13 J**	**1.2**	<1.7	**2**	**0.41 J**	**0.47 J**	**0.52 J**	**1.3**	**0.12 J**	<1.8	<0.7	<1.4	**2.3**	<1.1	**1**
AA_3		11/30/2022	<1.1	**0.47 J**	**0.38 J**	**0.087 J**	<0.81	**0.1 J**	<1.2	**5.8**	<0.8	**0.36 J**	<0.8	**12**	**0.83**	<1.3	**0.2 J**	<0.8	<0.9	**3.5**	**0.35 J**	<0.92	**0.056 J**	**1.3**	<1.7	**2**	**0.32 J**	**0.43 J**	**0.41 J**	**1**	**0.14 J**	<1.8	<0.7	<1.4	**1.7**	<1.1	**1**
IA_4136_2	4136	11/30/2022	<1.1	**0.39 J**	**1**	**0.078 J**	<0.81	**0.27 J**	<1.2	**5.3**	<0.8	**0.91 J**	**2.2**	**14**	**1.1**	<1.3	<0.8	<0.8	<0.9	**49**	**0.29 J**	<0.92	**0.16 J**	<0.8	<1.7	**1.8**	**0.97**	**0.41 J**	**1.1**	**3.1**	**0.48 J**	<1.8	<0.7	<1.4	**3.3**	**1.2**	**0.89 J**
IA_4136_3		11/30/2022	<1.1	**0.29 J**	**1.2**	**0.097 J**	<0.81	**0.26 J**	<1.2	**7.9**	**0.42 J**	**0.97 J**	**2.6**	**66**	**1.2**	**0.67 J**	**0.18 J**	<0.8	<0.9	**3.6**	**0.38 J**	<0.92	**0.8 J**	**1.5**	**0.9 J**	**2**	**0.96**	**0.47 J**	**1.2**	**3.6**	**0.19 J**	<1.8	<0.7	**0.089 J**	**3.9**	**2.2**	**0.97 J**
IA_4132_1	4132	11/30/2022	**0.37 J**	**0.24 J**	**0.88 J**	**0.1 J**	<0.81	**0.23 J**	**0.21 J**	**7**	<0.8	**0.76 J**	**0.6**	**42**	**1.3**	<1.3	**0.28 J**	<0.8	<0.9	**11**	**0.35 J**	<0.92	**0.25 J**	**1.5**	<1.7	**2**	**0.92**	**2.1**	**1.1**	**3**	**1.1**	<1.8	<0.7	**0.74 J**	**4.6**	**5.2**	**0.74 J**
IA_4132_2		11/30/2022	**0.071 J**	**0.48 J**	**0.66 J**	**0.079 J**	<0.81	**0.18 J**	**0.23 J**	**4.1**	**0.22 J**	**0.59 J**	<0.8	**27**	**1.3**	<1.3	**0.19 J**	<0.8	<0.9	**4.9**	**0.34 J**	<0.92	**0.21 J**	**1.4**	<1.7	**2**	**0.63 J**	**1.2**	**0.79 J**	**2.1**	**0.5 J**	<1.8	<0.7	**1.1 J**	**2.9**	**2.7**	**0.95 J**
IA_4132_3		11/30/2022	**0.38 J**	**0.42 J**	**0.81 J**	<1.4	**0.13 J**	**0.21 J**	**0.25 J**	**15**	**0.51 J**	**0.76 J**	**1.1**	**56**	**1.4**	<1.3	<0.8	<0.8	<0.9	**2.3**	**0.36 J**	<0.92	**0.28 J**	**1.5**	<1.7	**1.9**	**0.91**	**2.3**	**1.1**	**3**	**0.9**	<1.8	<0.7	**0.88 J**	**3.9**	**5**	**1.1**
IA_4134_1	4134	11/30/2022	<1.1	**0.4 J**	**0.58 J**	<1.4	<0.81	**0.14 J**	**0.19 J**	**3**	<0.8	**0.55 J**	<0.8	**17**	**1.3**	<1.3	<0.8	<0.8	<0.9	**1.3**	**0.3 J**	<0.92	**0.17 J**	**1.2**	<1.7	**1.8**	**0.52 J**	**0.38 J**	**0.63 J**	**1.6**	**0.44 J**	<1.8	<0.7	<1.4	**2.3**	<1.1	**0.92 J**
IA_4134_2		11/30/2022	<1.1	<1.5	**0.56 J**	**0.11 J**	<0.81	**0.17 J**	**0.17 J**	**2.8**	<0.8	**0.55 J**	**0.5**	**17**	**1.2**	<1.3	**0.2 J**	<0.8	<0.9	**3.8**	**0.32 J**	<0.92	**0.3 J**	**1.2**	<1.7	**1.9**	**0.53 J**	**0.48 J**	**0.67 J**	**1.8**	**0.51 J**	<1.8	<0.7	**0.22 J**	**2.2**	**2.8**	**0.93 J**
IA_4134_3		11/30/2022	<1.1	**0.41 J**	**0.55 J**	**0.12 J**	<0.81	**0.16 J**	**0.17 J**	**4.8**	**0.22 J**	**0.54 J**	**0.56**	**19**	**1.3**	<1.3	**0.26 J**	<0.8	<0.9	**2.7**	**0.31 J**	<0.92	**0.2 J**	**1.3**	<1.7	**1.9**	**0.54 J**	**0.43 J**	**0.63 J**	**1.6**	**0.52 J**	<1.8	<0.7	<1.4	**2.3**	**0.098 J**	**0.91 J**
IA_4112_1	4112	11/30/2022	**0.3 J**	**0.35 J**	**30**	**0.1 J**	**0.12 J**	**8.2**	**0.18 J**	**6.6**	**0.35 J**	**29**	<0.8	**51**	**30**	<1.3	**0.38 J**	**0.38 J**	<0.9	**11**	**0.29 J**	<0.92	**0.3 J**	**1.6**	<1.7	**2.6**	**27**	<0.7	**33**	**70**	**8.7**	<1.8	<0.7	**0.074 J**	**100**	**9.3**	**0.92 J**
IA_4112_2		11/30/2022	**0.23 J**	**0.44 J**	**27**	**0.11 J**	<0.81	**7.1**	<1.2	**6.9**	**0.36 J**	**25**	**20**	**28**	**26**	<1.3	**0.31 J**	**0.33 J**	<0.9	**4.3**	**0.3 J**	**0.14 J**	**0.19 J**	**1.3**	<1.7	**2.5**	**23**	<0.7	**29**	**67**	**8.9**	<1.8	<0.7	**0.24 J**	**98**	**8**	**0.92 J**
IA_4112_3		11/30/2022	**0.18 J**	**0.41 J**	**29**	**0.1 J**	<0.81	**7.7**	**0.16 J**	**6**	**0.89**	**28**	**10**	**30**	**28**	<1.3	**0.26 J**	**0.33 J**	<0.9	<1.2	**0.28 J**	**0.17 J**	**0.088 J**	**1.3**	<1.7	**2.5**	**25**	<0.7	**31**	**68**	**6.2**	<1.8	<0.7	<1.4	**100**	**7**	**0.92 J**
IA_4112_3_DUP		11/30/2022	**0.19 J**	**0.25 J**	**31**	<1.4	**0.12 J**	**8.5**	**0.17 J**	**9.9**	**0.48 J**	**30**	**23**	**31**	**31**	<1.3	<0.8	**0.33 J**	<0.9	**5.6**	**0.32 J**	<0.92	**0.23 J**	<0.8	<1.7	**2.7**	**27**	<0.7	**33**	**71**	**6.6**	<1.8	<0.7	**0.22 J**	**110**	**8.1**	**0.95 J**
IA-4130_1	4130	11/30/2022	<1.1	**0.45 J**	**1.5**	<1.4	**0.16 J**	**0.45 J**	**0.17 J**	**9.9**	**0.64 J**	**1.3**	**2.3**	**65**	**1.6**	<1.3	**0.37 J**	<0.8	<0.9	**29**	**0.34 J**	<0.92	**0.26 J**	**1.6**	<1.7	**1.8**	**1.1**	**0.75**	**1.5**	**4**	**0.84 J**	<1.8	<0.7	**0.17 J**	**5**	<1.4	**0.92 J**
IA-4130_2		11/30/2022	<15	<21	**1.8**	<19	<11	<13	<16	**20**	<11	**1.2**	<11	**58**	**5.2**	<18	<11	<11	<12	**10**	<17	<13	<13	<11	<23	**2**	**1.5**	<9.5	**1.3**	**4.1**	<12	<25	<9.9	<19	**6.3**	<15	<15
IA-4130_3		11/30/2022	<1.1	**0.48 J**	**1.2**	**0.11 J**	**0.13 J**	**0.35 J**	**0.21 J**	**5.4**	**0.47 J**	**1.1**	**1.6**	**51**	**1.5**	**0.49 J**	**0.25 J**	<0.8	<0.9	**3.2**	**1.5**	<0.92	**1**	**1.5**	**0.63 J**	**1.9**	**0.87**	**0.9**	**1.3**	**3.3**	**0.91**	<1.8	<0.7	**0.15 J**	**4.2**	<1.1	**0.99 J**
IA_4120_1	4120	11/30/2022	<1.1	**0.47 J**	**0.63 J**	**0.098 J**	<0.81	**0.17 J**	**0.16 J**	**6.9**	**0.84**	**0.56 J**	<0.8	**32**	**1.2**	<1.3	**0.34 J**	<0.8	<0.9	**2.4**	**0.29 J**	<0.92	**0.13 J**	**1.2**	<1.7	**2.1**	**0.52 J**	**0.43 J**	**0.57 J**	**1.7**	**0.2 J**	<1.8	<0.7	<1.4	**2.4**	<1.1	**0.97 J**
IA_4120_2		11/30/2022	<1.1	**0.41 J**	**0.68 J**	**0.087 J**	<0.81	**0.22 J**	**0.21 J**	**3.8**	<0.8	**0.69 J**	**0.23**	**19**	**1.2**	<1.3	**0.37 J**	<0.8	<0.9	**15**	**0.34 J**	<0.92	**0.14 J**	**1.3**	<1.7	**1.9**	**0.61 J**	**0.49 J**	**0.81 J**	**2**	**0.37 J**	<1.8	<0.7	<1.4	**2.6**	<1.1	**0.95 J**
IA_4120_3		11/30/2022	<1.1	<1.5	**1.7**	**0.091 J**	<0.81	**0.63 J**	**0.47 J**	**21**	**2**	**1.5**	**2.1**	**30**	**1.2**	<1.3	**0.29 J**	<0.8	**0.22 J**	**12**	**0.36 J**	**0.065 J**	<0.98	**1.4**	<1.7	**1.8**	**1.8**	**0.44 J**	**1.5**	**4**	**0.91**	**0.23 J**	**0.14 J**	**0.11 J**	**3.8**	<1.1	**0.96 J**
EPA RSL (Industrial/Commercial Air)			22000	22000	260	--	0.47	260	1.1	22000	130	--	13000	--	1.6	0.33	22	180	--	3100	2	220	0.53	390	--	440	4.9	1200	440	440	4400	--	47	47	22000	3	--
DTSC-SL (Industrial/Commercial Air)			4400	--	--	--	--	--	--	--	--	--	--	--	0.42	0.33	--	35	--	--	2	--	--	--	0.58	--	--	12	--	--	3900	--	--	2	1300	--	5300
EPA Region 9 Accelerated Response Action Level (Commercial 8-hour)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--

Notes:
Only analytes with one or more detections are shown in the table
bold - Constituent detected at or above laboratory reporting limit
NA - Not applicable
µg/m3 - microgram per cubic meter

shaded	Detection above either EPA RSL or DTSC-SL for commercial air
shaded	Detection above the EPA Accelerated Response Action Level for commercial air (8-hour workday)

Detections above the MDL but below the laboratory reporting limit (RL) are considered estimated and qualified with a "J"
DTSC-SLs are provided in the DTSC Human Health Risk Assessment (HHRA) Note Number 3, released June 2020 - Revised May 2022
EPA RSLs are provided in the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) November 2022 Summary Tables
EPA Region 9 Interim TCE Indoor Air Response Action Levels are provided in DTSC HHRA Note Number 5, released August 2014

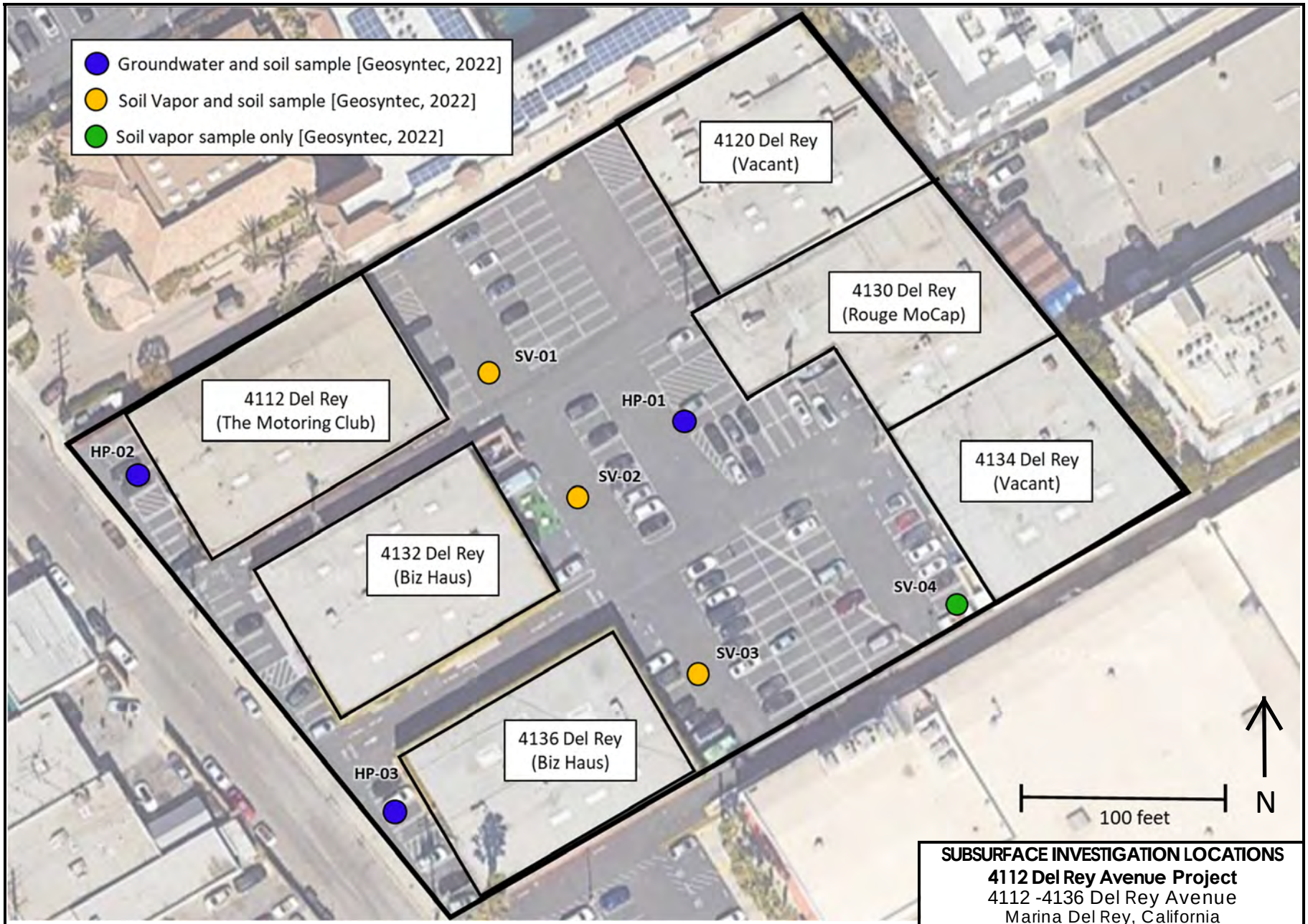
FIGURES

Site Location Map
4112 Del Rey Avenue Project
Marina del Rey, CA 90292

Geosyntec consultants

Project No: HR1863A | February 2023

Figure 1

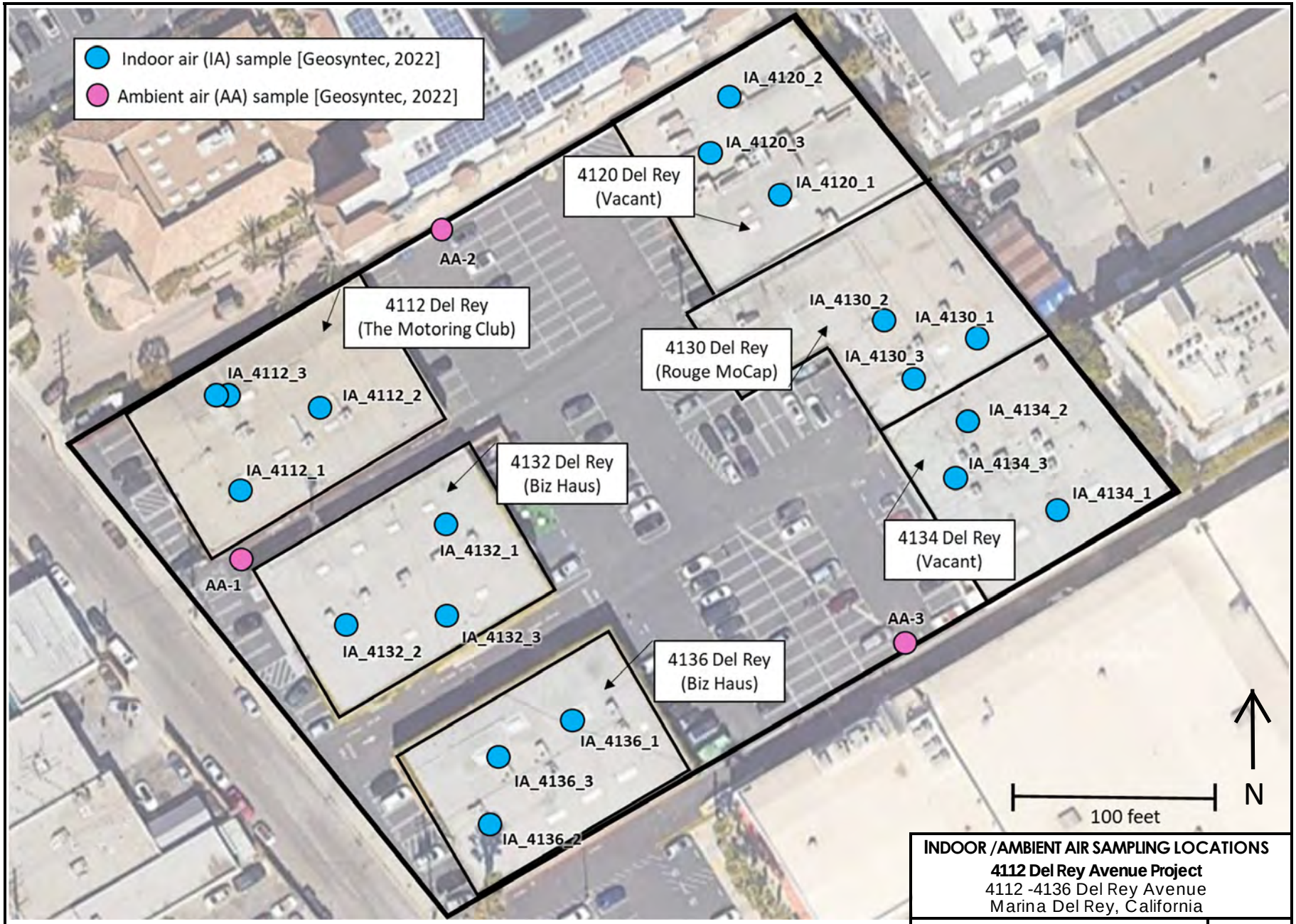


SUBSURFACE INVESTIGATION LOCATIONS
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Figure **2**

Project No: HR1863A | February 2023



INDOOR /AMBIENT AIR SAMPLING LOCATIONS

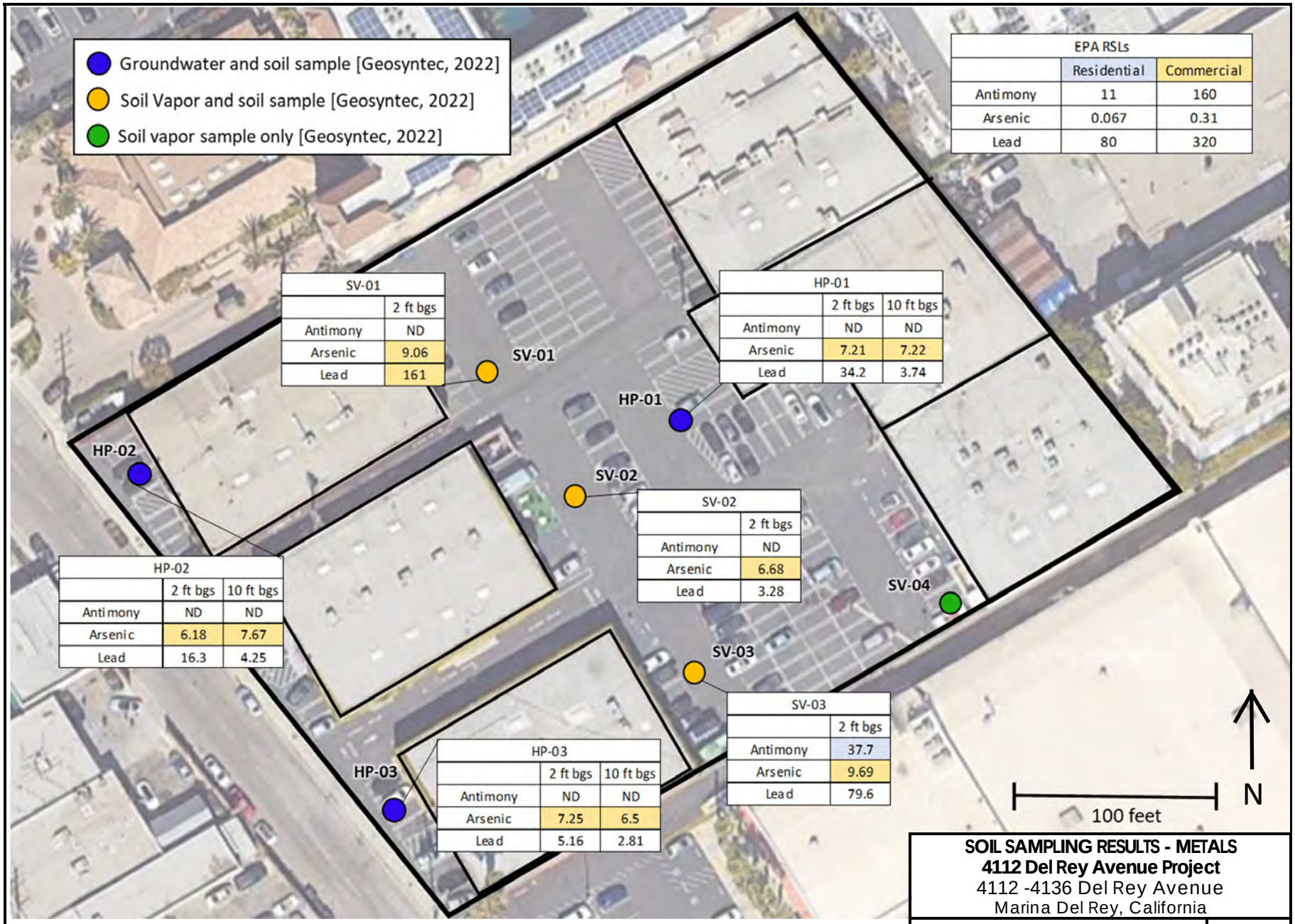
4112 Del Rey Avenue Project

4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Figure **3**

Project No: HR1863A | February 2023



EPA RSLs	Residential	Commercial
Antimony	11	160
Arsenic	0.067	0.31
Lead	80	320

SV-01	2 ft bgs
Antimony	ND
Arsenic	9.06
Lead	161

HP-01	2 ft bgs	10 ft bgs
Antimony	ND	ND
Arsenic	7.21	7.22
Lead	34.2	3.74

SV-02	2 ft bgs
Antimony	ND
Arsenic	6.68
Lead	3.28

HP-02	2 ft bgs	10 ft bgs
Antimony	ND	ND
Arsenic	6.18	7.67
Lead	16.3	4.25

SV-03	2 ft bgs
Antimony	37.7
Arsenic	9.69
Lead	79.6

HP-03	2 ft bgs	10 ft bgs
Antimony	ND	ND
Arsenic	7.25	6.5
Lead	5.16	2.81

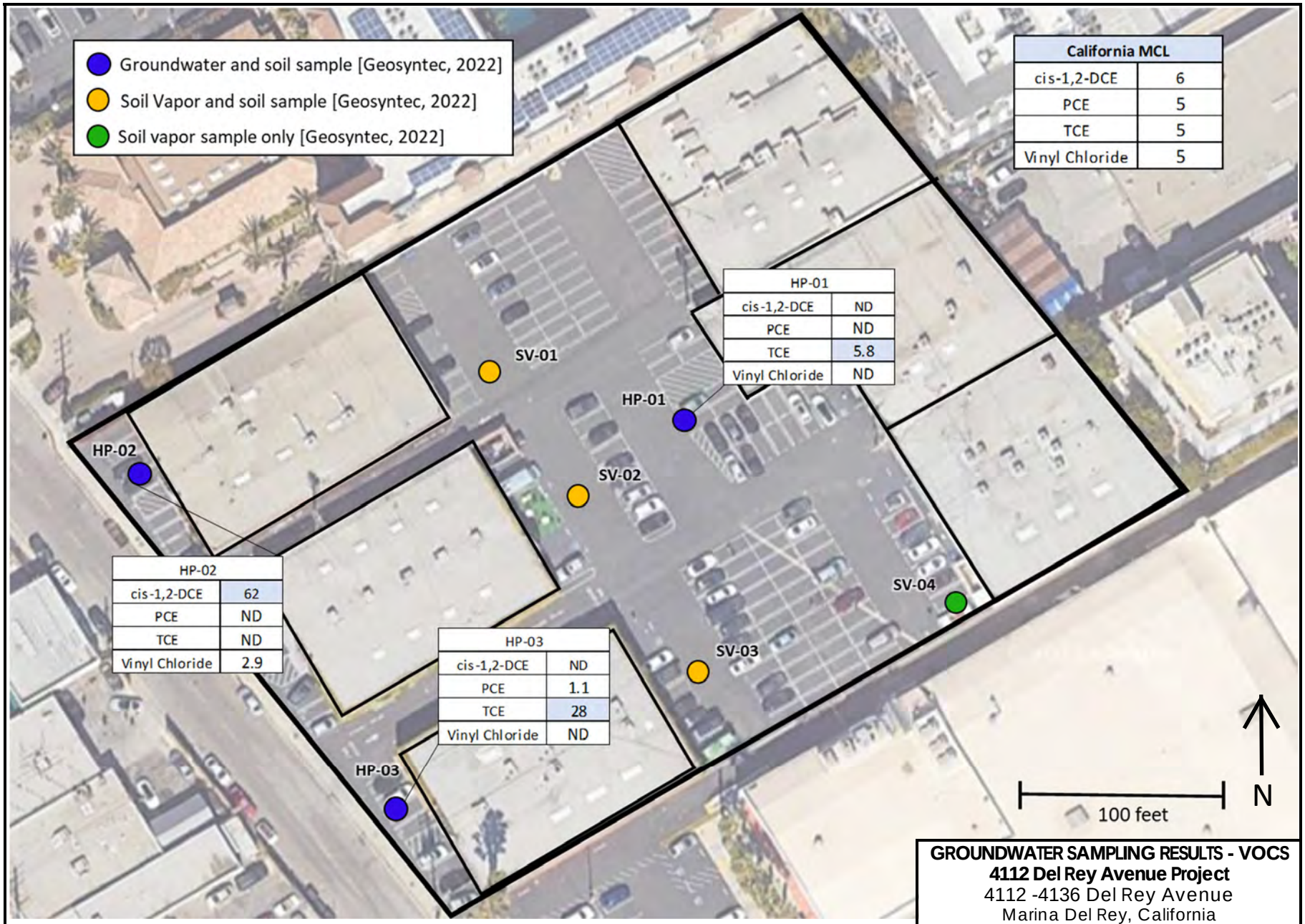
Notes: Detections exceeding the EPA RSL for residential soil are highlighted blue
Detections exceeding the EPA RSL for commercial soil are highlighted yellow
Results and screening levels in milligrams per kilogram

SOIL SAMPLING RESULTS - METALS
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Project No: HR1863A | February 2023

Figure 4



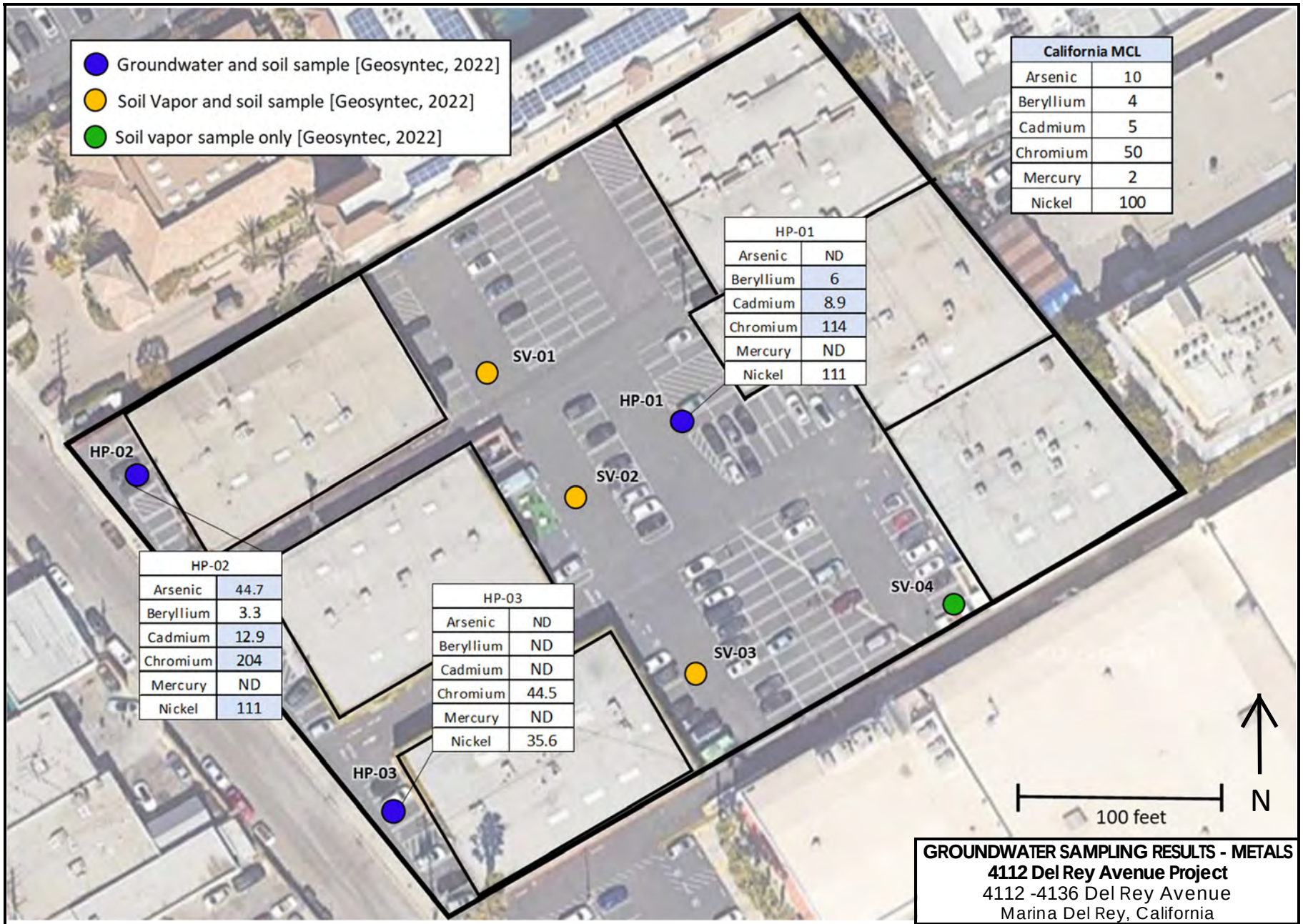
Notes: Detections exceeding the California MCL for drinking water are highlighted blue
Results and screening levels in micrograms per liter

GROUNDWATER SAMPLING RESULTS - VOCS
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Project No: HR1863A | February 2023

Figure **5**



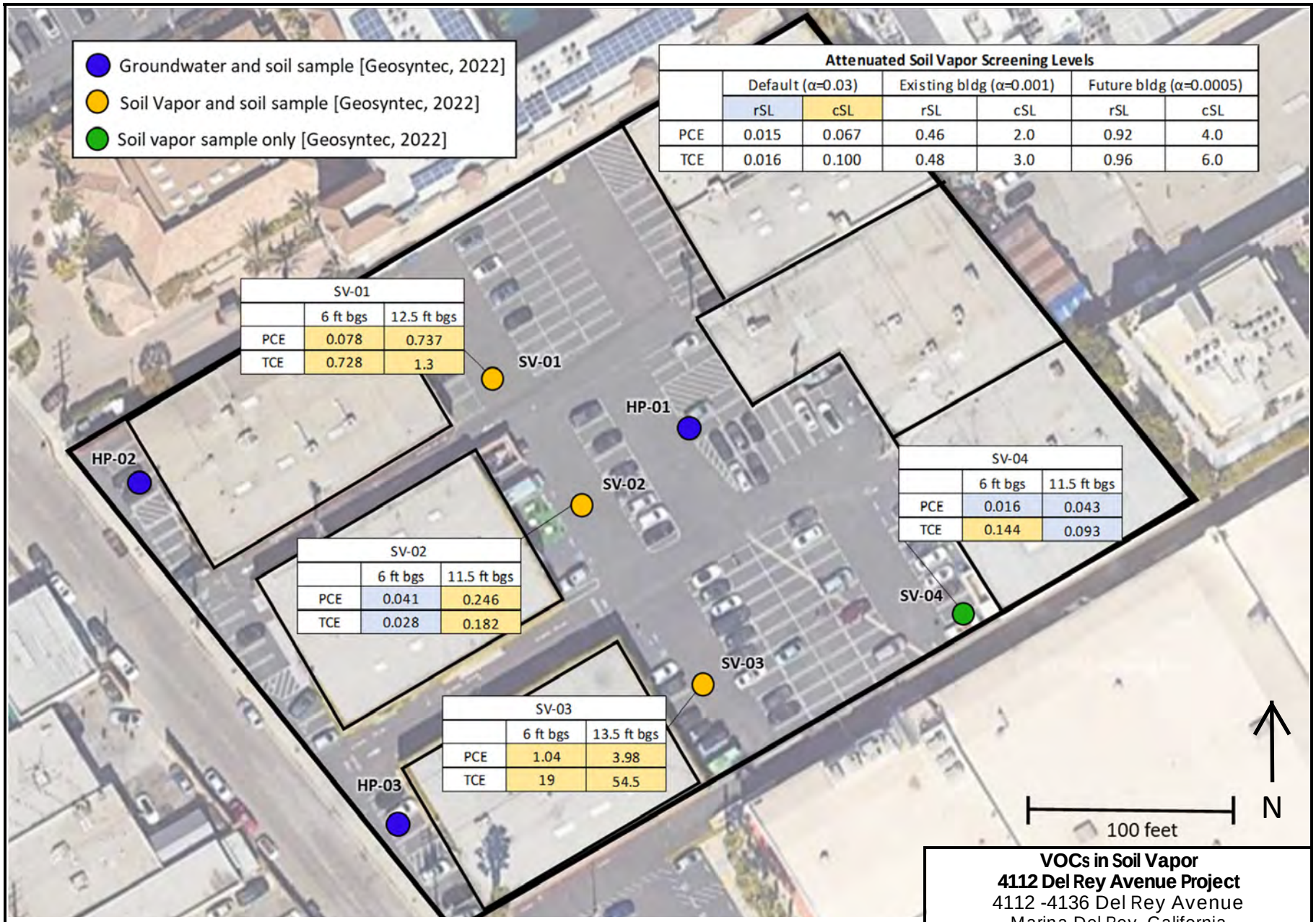
Notes: Detections exceeding the California MCL for drinking water are highlighted blue
Results and screening levels in micrograms per liter

GROUNDWATER SAMPLING RESULTS - METALS
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Project No: HR1863A | February 2023

Figure **6**



Attenuated Soil Vapor Screening Levels

	Default (α=0.03)		Existing bldg (α=0.001)		Future bldg (α=0.0005)	
	rSL	cSL	rSL	cSL	rSL	cSL
PCE	0.015	0.067	0.46	2.0	0.92	4.0
TCE	0.016	0.100	0.48	3.0	0.96	6.0

Notes: Detections exceeding the EPA-attenuated RSL for residential air are highlighted blue

Detections exceeding the EPA-attenuated RSL for commercial air are highlighted yellow

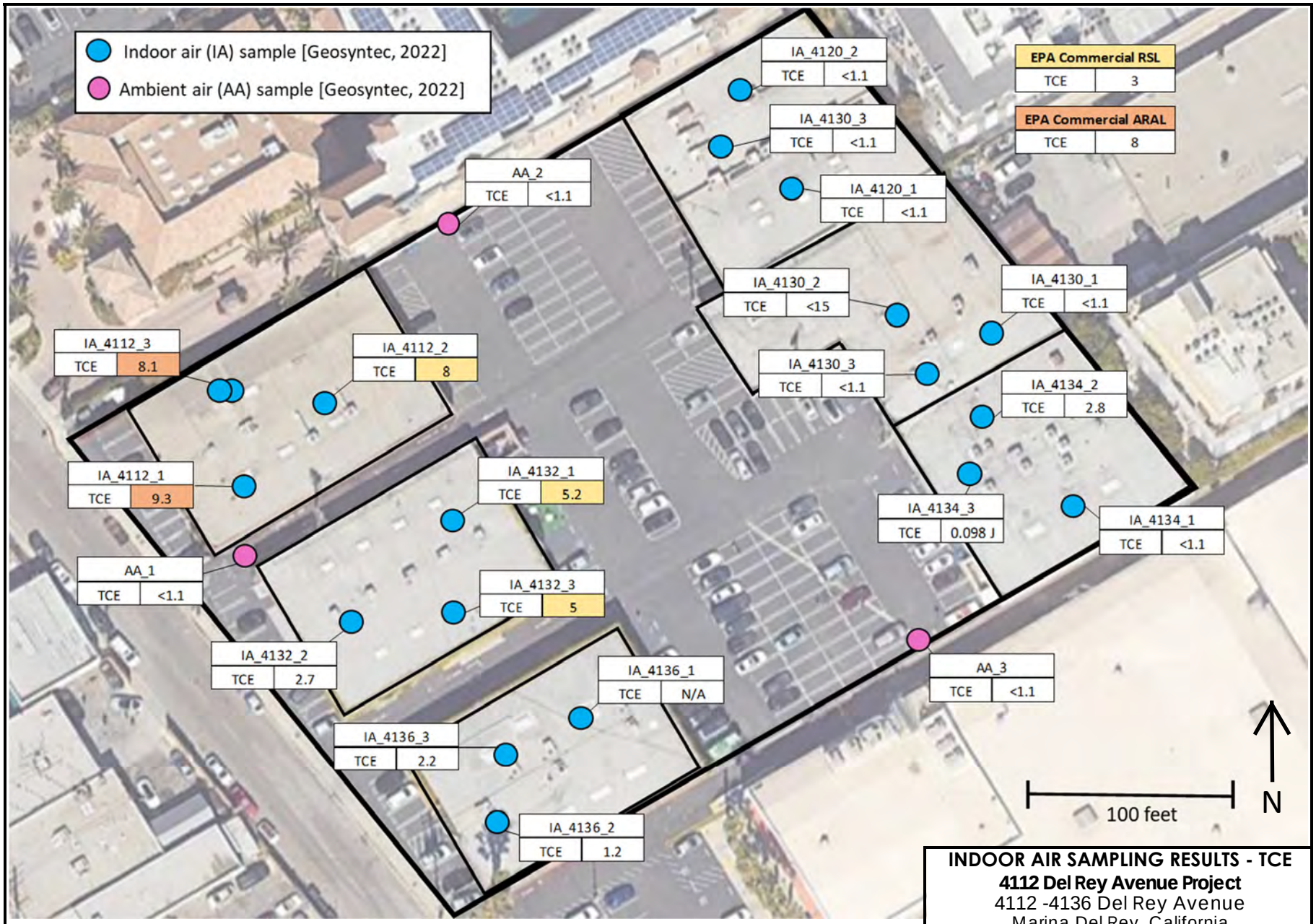
Results and screening levels in micrograms per liter

VOCs in Soil Vapor
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Project No: HR1863A | February 2023

Figure 7



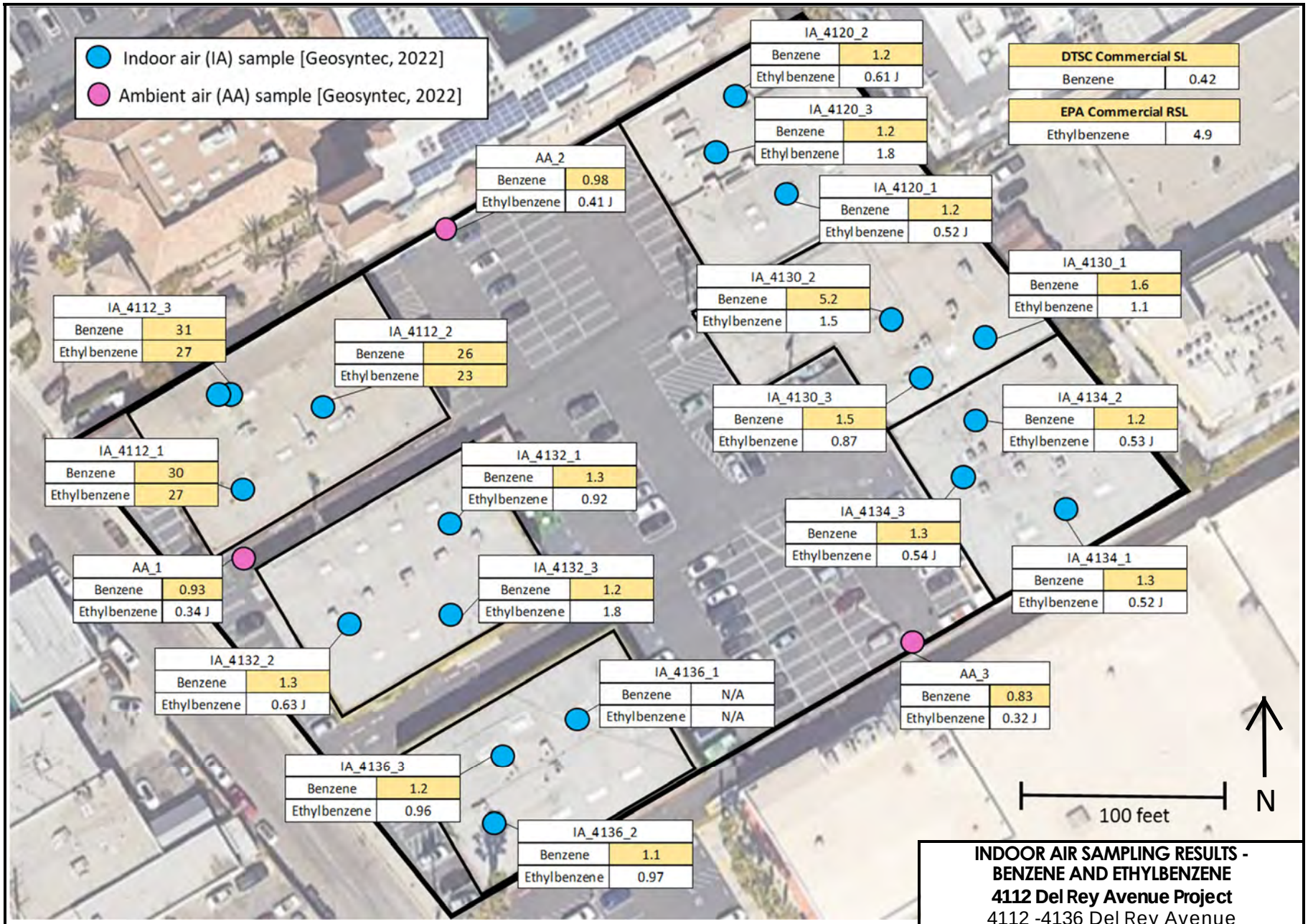
Notes: Detections exceeding the EPA RSL for commercial air are highlighted yellow
Detections exceeding the EPA ARAL for commercial (8-hour workday) are highlighted orange
Results and screening levels in micrograms per cubic meter

INDOOR AIR SAMPLING RESULTS - TCE
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

Project No: HR1863A | February 2023

Figure **8**



Notes: Detections exceeding the EPA RSL for ethylbenzene or DTSC-SL for benzene in commercial air are highlighted yellow

Results and screening levels in micrograms per cubic meter

INDOOR AIR SAMPLING RESULTS - BENZENE AND ETHYLBENZENE
4112 Del Rey Avenue Project
4112 -4136 Del Rey Avenue
Marina Del Rey, California

Geosyntec consultants

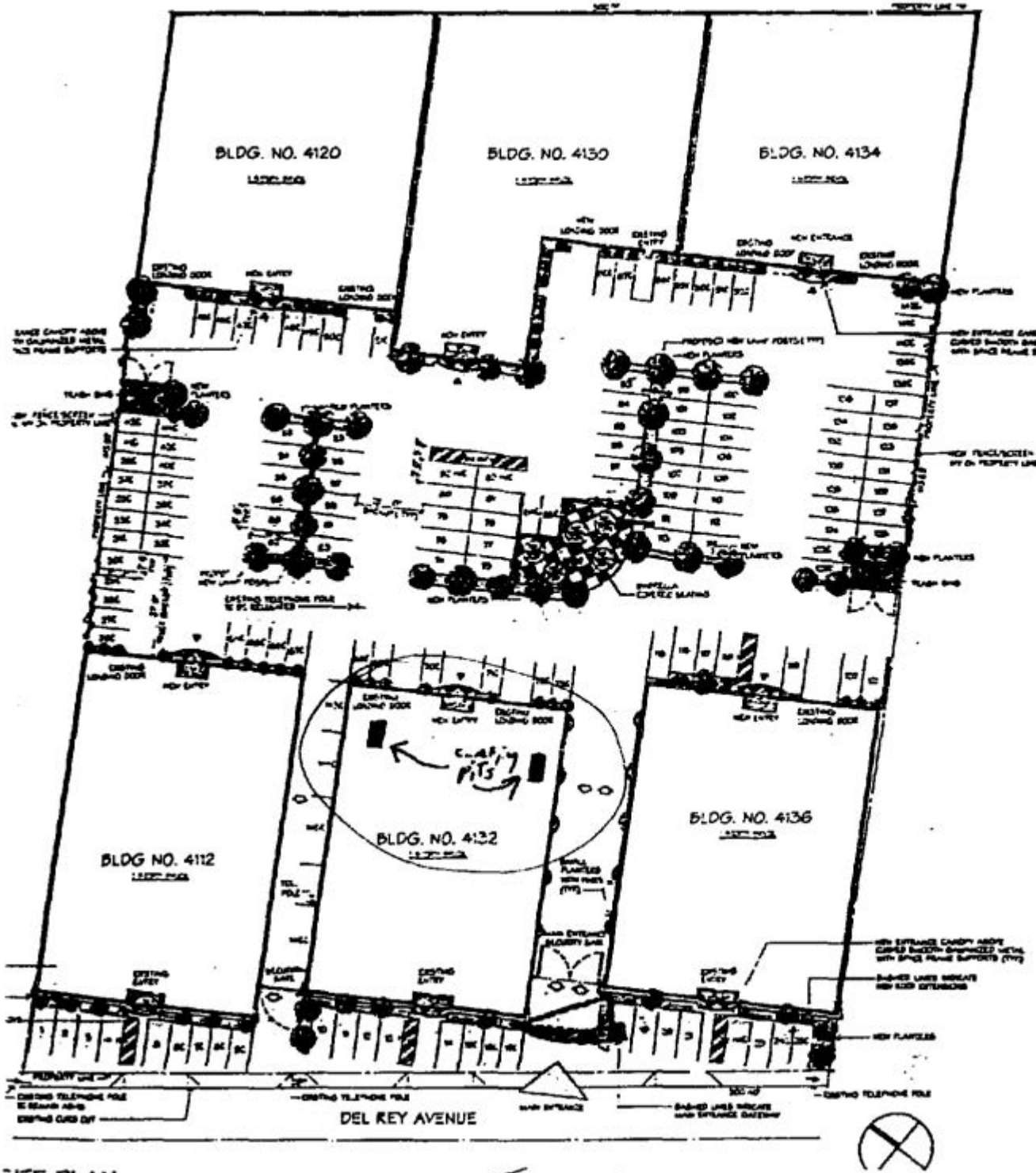
Figure **9**

Project No: HR1863A | February 2023

APPENDIX 1

Historic Site Plan

4112 - 4136 DEL REY AVENUE, MARINA DEL REY, CALIFORNIA



PARKING SUMMARY:

PARKING REQUIRED :
per City of Los Angeles

PARKING PROVIDED :
- Handicapped Stalls
- Compact Stalls
- Full-size Stalls

LOADING SPACES
(Existing)
TRASH CONTAINERS

TOTAL PARKING LOT AREA
TOTAL LANDSCAPED AREA
(Landscaping * metric minimum of Parking Lot Area)

PROJECT AREAS :

SITE :	AF
4112 DEL REY AVENUE	AF
4120 DEL REY AVENUE	AF
4130 DEL REY AVENUE	AF
4132 DEL REY AVENUE	AF
4134 DEL REY AVENUE	AF
4136 DEL REY AVENUE	AF
TOTAL	

BUILDING DATA:

LOCATION :

LEGAL DESCRIPTION :

ZONING : P

OWNER : TC

ARCHITECT :

SITE PLAN

EXHIBIT A

APPENDIX 2
Borehole Permit

ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS
4112,4132,4136 Del Rey Avenue	Marina Del Rey	90292	alex.rogaski@geosyntec.com

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

X	WORK PLAN APPROVED FOR: 3 Soil Boring/Exp. Hole	**PERMIT NUMBER:**	SR0288539	**DATE:**	March 22, 2022

ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- As discussed, please ensure the boring/exploration hole is backfilled within 24 hours of boring construction.
- Ensure to backfill using a tremie pipe under pressure or equivalent equipment with approved cement grout, proceeding upward from the bottom of the boring/exploration hole.
- Ensure soil borings are sealed per California Well Standards 74-90
  - Cement grout mix ratio of 5-6 gallons of water per 94-pound bag of Portland cement.
  - Up to 6% of Bentonite may be added to the cement-based mix.
  - No hydrated Bentonite chips and/or soil cuttings.
- Borings/Exploration holes must comply with all applicable requirements published in the California Well Standards (Bulletins 74-81 and 74-90) and the Los Angeles County Code, Title 11.

APPROVED BY:

Teri Hachey, REHS
26415 Carl Boyer Dr.
Santa Clarita, Ca 91350
(661) 287-7017

5770

APPENDIX 3

Borehole Logs

Geosyntec consultants
924 Anacapa St
Suite 4A
Santa Barbara, CA 93101
Tel: (805) 897-3800
Fax: (805) 899-8689

GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING HP-01 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
	Asphalt at surface									0.1	11:48	
	Silty SAND (SM); very dark gray (10YR 3/3); moist; fine sand; [0, 75, 25]											Begin cutting asphalt at 1118 and HA to 5' bgs. Collect soil sample at 2' bgs.
	At 4' bgs, SAA at 0.33' bgs; dark yellowish brown (10YR 3/4)											
5						1			100	0	11:45	
										0.1	11:45	
	At 6' bgs, SAND with silt (SP-SM); dark brown (10YR 3/3); moist; fine sand; [0, 90, 10]									0.2	11:46	
										0.0	11:46	
	At 7.5' bgs, Silty SAND (SM); dark brown (10YR 3/3); moist; fine sand; [0, 65, 35]											
						2			100	0.1	11:48	
10										0.0	11:48	
										0.1	11:49	Collect soil sample at 10' bgs.
	At 10.5' bgs, SAND (SP); yellowish brown (10YR 5/4); moist; fine to medium sand; [0, 100, 0]									0.3	11:49	
	At 12.5' bgs, SILT (ML); dark olive brown (2.5Y 3/4); moist; trace fine sand; [0, 5, 95]					3			100	0.1	11:50	
										0.1	11:51	
15	At 15.5' bgs, 1" lense of (SP)											
20				▽								Reach 20' bgs at 1150. Begin push to 24' bgs. Initial groundwater encountered, set hydropunch and collect GW samples.
25												Total depth reached at 24' bgs.
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
HA = Hand auger
SAA = Same as above
DTW = Depth to water

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

07-WELL BORE HR1305R-01.GPJ GEOSNTEC.GDT 4/10/22

Geosyntec consultants
924 Anacapa St
Suite 4A
Santa Barbara, CA 93101
Tel: (805) 897-3800
Fax: (805) 899-8689

GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING HP-02 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	SAMPLE TYPE	SAMPLE BLOWS PER 6"	SAMPLE RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
	Sandy SILT (ML); very dark grayish brown (2.5Y 3/2); moist; fine sand; [0,35,65]; low plasticity									0	14:39	Begin HA to 5' bgs at 1430.
5	At 5' bgs, SILT with sand (ML); olive brown (2.5Y 4/3); moist; fine sand; [0, 15, 85]					1			100%	0.0 0.0 0.0 0.0	14:31 14:52 14:52 14:53	Begin direct push drilling at 1440. Collect soil sample at 7' bgs at 1438.
10	At 9' bgs, SAND (SP); dark yellowish brown 10YR 3/4); moist; fine sand; trace gravel; [5, 95, 0]					2			100%	0 0	14:54 14:54	Collect sample HP-02-10 at 1454. Push from 10' tp 24' bgs.
	No Recovery, push to 24' bgs			▽								
15												
20												
25												Collect GW sample. Total depth reached at 24' bgs.
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
SAA = Same as above
HA = Hand auger

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING HP-03 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
	Asphalt at surface									0.3	13:47	
	At 0.3' bgs, SAND with silt (SP-SM); dark olive brown (2.5Y 3/3); moist; fine sand; [0, 90, 10]											Begin cutting asphalt at 1336 and HA to 5' bgs at 1340. Collect soil sample at 1346.
5	At 5' bgs, SAA at 0.3' bgs, [0, 85, 15]; olive brown (2.5Y 4/3)					1			100%	0.1 0.2 0.1 0.2	13:59 13:59 14:00 14:00	Begin DP drilling at 1355.
	SAND (SP); olive brown (2.5Y 4/4); moist; fine sand; trace silt; [0, 95, 5]					2			100%	0.0 0.0	14:01 14:01	
10	No recovery, push to 24 bgs.											
15												
20				▽								
25												Total depth reached at 24' bgs at 1402.
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
SAA = Same as above
HA = Hand auger

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING SV-01 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING** -
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	SAMPLE RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
0	4" Asphalt											At 0825, begin cutting asphalt and HA to 5' bgs. Collect soil sample at 2' bgs at 0846.
	SILT with sand (ML); dark olive brown (2.5Y 3/3); moist; fine sand; [0,10,90]; nonplastic											
5	At 5' bgs, SAA at 0.3' bgs.					1			100%			
	At 6.5' bgs, Sandy SILT (ML), increasing sand; [0, 45, 55]; olive brown (2.5Y 4/4)											Install probe at 6' bgs.
						2			100%			
10	At 9.5' bgs, SAND (SP); olive brown (2.5Y 3/3); moist; fine sand; trace silt; [0,95,5]											
	At 10.75' bgs, SAA at 9.5' bgs, medium sand											
	At 11.3' bgs, SAND (SP); olive brown (2.5Y 3/3); moist; fine sand; trace gravel and silt; [5, 90, 5]					3			100%			
	At 12.3' bgs, SILT (ML); dark olive brown (2.5Y 3/3); moist; trace fine sand; [0, 5, 95]; medium plasticity			▽								Install probe at 13' bgs
15												Reach total depth of 15' bgs at 0905. Backfill with soil cuttings and #3 sand.
20												
25												
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
SAA = Same as above
HA = Hand auger

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING SV-02 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
	Asphalt at surface											
	At 0.3' bgs, Silty SAND (SM); very dark gray (2.5Y 3/1); moist; fine sand; [0, 80, 20]; nonplastic											Begin cutting asphalt and HA to 5' bgs at 0937. Collect soil sample at 2' bgs.
	At 4' bgs, SAA at 0.3' bgs, dark brown (10YR 3/3)											
5	At 5' bgs, SILT (ML); dark brown (10YR 3/3); moist; trace fine sand; [0, 5, 95]; low plasticity					1			100%			Shallow probe installed at 6' bgs.
						2			100%			
10	At 9.25' bgs, SAND (SP); very dark grayish brown (10YR 3/3); moist; fine to medium sand; trace gravel; [5, 95, 0]											
	At 10.9' bgs, SAA at 9.25' bgs, olive brown (2.5Y 4/3); medium to coarse sand; [5, 95, 0]			▽								
	SILT (ML); dark brown (10YR 3/3); moist; trace fine sand; [0,5,95]; medium plasticity					3			100%			Deep probe installed at 11.5' bgs.
15												Reach total depth of 15' bgs at 0955.
20												
25												
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
SAA = Same as above
HA = Hand auger

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING SV-03 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION (1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	SAMPLE RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS (1) Rig Behavior 2) Air Monitoring
0	SILT (ML); dark brown (10YR 3/3); moist; trace fine sand; [0,5,95]; nonplastic									1.6	10:30	Begin cutting asphalt and HA to 5' bgs at 1020. Collect soil sample at 2' bgs at 1030.
5	At 5' bgs, Silty SAND (SM); dark olive brown (2.5Y 3/3); moist; fine sand; [0, 80, 20] At 6' bgs, SAA at 5' bgs, increasing silt; [0, 70, 30]					1			100%	0.3 0.3 0.3	10:41 10:42 10:42	Shallow probe installed at 6' bgs.
10	At 10' bgs, SAND with Silt (SP-SM); olive brown (2.5Y 4/3); moist; fine sand; [0, 90, 10]					2			100%	0.2 0.4 0.3 0.1	10:42 10:44 10:45 10:46	
	At 11' bgs, SAND (SP); olive brown (2.5Y 4/3); moist; fine to medium sand; trace silt; [0, 95, 5]; 2" lense of gravel up to 0.5'			▽		3			100%			Deep probe installed at 13.5' bgs in #3 sand pack.
15	At 14.25' bgs, SILT (ML); dark brown (10YR 3/3); moist; trace fine sand; [0, 5, 95]											Reach total depth of 15' bgs at 1039.
20												
25												
30												

CONTRACTOR Cascade Environmental
EQUIPMENT Geoprobe 6600
DRILL MTHD Direct Push
DIAMETER 2.25"
LOGGER B. Seymour, GIT
REVIEWER K. Gadley, PG
NORTHING
EASTING
COORDINATE SYSTEM:

NOTES: [%,%,%] = [% gravel, % sand, % fines]
SAA = Same as above
HA = Hand auger

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

07-WELL BORE HR1305R-01.GPJ GEOSNTEC.GDT 4/10/22

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GS FORM: WELL BORE 01/04

BOREHOLE LOG

BORING SV-04 **SHEET** 1 OF 1
START DRILL DATE Mar 29, 22 **ELEVATION DATA:**
FINISH DRILL DATE Mar 29, 22 **GROUND SURF.**
LOCATION **TOP OF CASING**
PROJECT Marina Del Ray **DATUM**
NUMBER HR1863

DEPTH (ft-bgs)	DESCRIPTION	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)	TIME (00:00)	COMMENTS
	Asphalt at surface									0	11:51	
	At 0.3' bgs, SILT (ML); very dark gray (10YR 3/1); moist; trace fine sand; [0, 5 95]											Begin cutting asphalt at 1240 and HA to 5' bgs at 1326. Collect soil sample at 2' bgs.
	At 4' bgs, SILT with sand (ML); black (10YR 2/1); wet; increasing fine sand; [0, 15, 85]											
5						1			100%	0	12:53	
										0	12:54	
	At 6' bgs, SILT (ML); dark olive brown (2.5Y 3/3); moist; trace fine sand; [0, 5, 95]									0	12:55	Shallow probe installed at 6' bgs.
										0	12:56	
	At 8' bgs, Silty SAND (SM); dark olive brown[2.5Y 3/3); moist; fine sand; [0, 80, 20]											
	At 9' bgs, increasing silt; [0, 70, 30]					2			100%	0	13:01	
10										0	13:02	
	At 10' bgs, SAND (SP); dark brown (10YR 3/3); moist; fine sand; [0, 95, 5]									0	13:02	
										0	13:03	Deep probe installed at 11.5' bgs in #3 sand pack.
	At 12.5' bgs, SILT (ML); dark olive brown (2.5Y 3/3); moist; trace fine sand; [0, 5, 95]					3			100%	0	13:03	
										0	13:03	
15												Reach total depth of 15' bgs at 1300. Begin probe install.
20												
25												
30												

CONTRACTOR Cascade Environmental **NORTHING**
EQUIPMENT Geoprobe 6600 **EASTING**
DRILL MTHD Direct Push **COORDINATE SYSTEM:**
DIAMETER 2.25"
LOGGER B. Seymour, GIT **REVIEWER** K. Gadley, PG

NOTES: [%,%,%] = [% gravel, % sand, % fines]
HA = Hand auger
SAA = Same as above
DTW = Depth to water

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

APPENDIX 4

Building Surveys

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Michael Rapetti
Contact Title:	Occupant
Phone Number:	917-428-9573
Email:	Michael@themotoring.club
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	The Motoring Club
*Building Address (Street, City):	4112 Del Rey Ave, Marina Del Rey
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Onsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	10,800 (approx)
Building Dimensions (at grade; feet by feet):	135x80 (approx)
*Ceiling Height of Ground Floor (Feet):	20
*Number of Floors (excluding the basement):	1

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Cooling only
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	N/A
Number of Rooms (average per unit for multi-unit buildings):	9
Number of Exterior Doors:	2
Number of Elevators:	0
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	2
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	12
Weather Sealed Windows and Exterior Doors?	Some Sealed
Average Area of Window Open to Outside Air (Feet2):	0
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	Yes
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	Yes
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	Yes
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	N/A
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Manufacturing
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	52-64
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Off

(End of Form)

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Shanette Madden
Contact Title:	Manager
Phone Number:	310-337-7075
Email:	smadden@jimcruzassociates.com
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	Formerly Guidance
*Building Address (Street, City):	4120 Del Rey Avenue
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Offsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	Approx 11,000
Building Dimensions (at grade; feet by feet):	100x110
*Ceiling Height of Ground Floor (Feet):	15-20 ft (sloped roof)
*Number of Floors (excluding the basement):	1 (plus small attic space in SW corner)

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Heating & Cooling
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	
Number of Rooms (average per unit for multi-unit buildings):	20-25
Number of Exterior Doors:	4
Number of Elevators:	None
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	0
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	6
Weather Sealed Windows and Exterior Doors?	Some Sealed
Average Area of Window Open to Outside Air (Feet2):	6
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	No
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	No
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	No
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	N/A
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Other
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	64
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Off

(End of Form)

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Jenna Melfi
Contact Title:	Occupant
Phone Number:	310-439-9721
Email:	jenna@roguemocap.com
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	Rogue MoCap
*Building Address (Street, City):	4130 Del Rey Ave, Marina Del Rey
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Onsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	11,650 (approx)
Building Dimensions (at grade; feet by feet):	irregular shape
*Ceiling Height of Ground Floor (Feet):	8 in offices, 25-30 in film studio (approx)
*Number of Floors (excluding the basement):	2

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Heating & Cooling
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	N/A
Number of Rooms (average per unit for multi-unit buildings):	15-20
Number of Exterior Doors:	2
Number of Elevators:	0
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	2
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	3
Weather Sealed Windows and Exterior Doors?	All Sealed
Average Area of Window Open to Outside Air (Feet2):	0
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	No
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	Yes
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	Yes
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	No
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Manufacturing
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	72
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Heating

(End of Form)

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Caroline (Receptionist)
Contact Title:	Occupant
Phone Number:	
Email:	
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	BizHaus
*Building Address (Street, City):	4132 Del Rey Ave, Marina Del Rey
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Onsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	9,600 (approx)
Building Dimensions (at grade; feet by feet):	80 x 120
*Ceiling Height of Ground Floor (Feet):	8 in closed offices, 20-25 in open office
*Number of Floors (excluding the basement):	1

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Heating & Cooling
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	N/A
Number of Rooms (average per unit for multi-unit buildings):	20-25
Number of Exterior Doors:	4
Number of Elevators:	0
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	2
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	10
Weather Sealed Windows and Exterior Doors?	All Sealed
Average Area of Window Open to Outside Air (Feet2):	0
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	No
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	No
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	Yes
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	No
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Manufacturing
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	72
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Heating

(End of Form)

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Shanette Madden
Contact Title:	Manager
Phone Number:	310-337-7075
Email:	smadden@jimcruzassociates.com
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	Formerly Guidance (vacant)
*Building Address (Street, City):	4134 Del Rey Avenue, Marina Del Rey
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Offsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	Approx 11,000
Building Dimensions (at grade; feet by feet):	100x110
*Ceiling Height of Ground Floor (Feet):	15-20 (sloped roof)
*Number of Floors (excluding the basement):	1

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Heating & Cooling
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	
Number of Rooms (average per unit for multi-unit buildings):	10
Number of Exterior Doors:	4
Number of Elevators:	0
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	0
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	8
Weather Sealed Windows and Exterior Doors?	Some Sealed
Average Area of Window Open to Outside Air (Feet2):	30
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	No
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	No
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	No
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	N/A
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Other
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	64
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Off

(End of Form)

Building Survey Form

Type in or select answers from drop-down lists in the righthand column.
Upload answers to GeoTracker database for criteria marked with an asterisks (*).
See Table 1 in the *Guidance on Uploading Vapor Intrusion Information into GeoTracker* (Attachment 4 of Supplemental Vapor Intrusion Guidance) for a description of Building Design Type input choices.

Person Conducting Survey	Input
Name:	Alex Rogaski
Company:	Geosyntec
Phone Number:	440-417-2218
Email:	Alex.Rogaski@geosyntec.com

Building Contact Information	Input
Name:	Caroline
Contact Title:	Occupant
Phone Number:	
Email:	
Building Occupant Interviewed?	Yes

Building Information	Input
Date of Building Survey (dd/mm/yy):	11/29/2022
*Building Name:	BizHaus
*Building Address (Street, City):	4136 Del Rey Ave, Marina Del Rey
Coordinates for Center of Building (Latitude, Longitude; decimal degrees to 0.00000):	
*Building Location Onsite/Offsite with respect to Site/Facility:	Onsite
*Year Built (yyyy; approximate if unsure):	
*Building Occupants:	Onsite

Building Survey Form

Building Dimensions	Input
*Building Footprint Area (within enclosed space; square feet [Ft2]):	9,600 (approx)
Building Dimensions (at grade; feet by feet):	80 x 120
*Ceiling Height of Ground Floor (Feet):	8 in offices, 15-20 in open office
*Number of Floors (excluding the basement):	1

Building Design	Input
*Building Design Type:	Single Unit Commercial
Has the design been modified?	Unknown
*Foundation Type:	Slab-on-Grade
*Building Vapor Intrusion Mitigation System:	None
*Heating, Ventilation, & Air Conditioning (HVAC) System:	Heating & Cooling
Type of Energy Used in Building?	Electricity
Energy Primarily Used For?	Other
Number of Units for Multi-Unit Buildings:	N/A
Number of Rooms (average per unit for multi-unit buildings):	15 (approx)
Number of Exterior Doors:	4
Number of Elevators:	0
Number of Active Exhaust Fans (e.g., kitchen/bathroom):	3
Chimney or Other Vertical Draft Source?	No

Building Slab	Input
Slab Thickness (inches; approximate if unsure):	8 (approximate)
Large Slab Penetrations (> 1 Foot Diameter):	None
Soil Type 0 to 3 Feet Below Building:	Fine and Coarse
Evidence of moisture intrusion from Below Slab?	No

Building Survey Form

Building Windows	Input
Number of Windows:	8
Weather Sealed Windows and Exterior Doors?	All Sealed
Average Area of Window Open to Outside Air (Feet2):	15
Ventilation During Sampling:	Closed windows

Building Crawl Space	Input
Crawl Space Height (Feet):	N/A
Number Crawl Space Vents:	N/A
Average Area per Crawl Space Vent (Feet2):	N/A
Evidence of moisture intrusion into Crawl Space from Soil?	N/A

Building Basement	Input
Basement Height (Feet):	N/A
Basement Footprint Area (Feet2):	N/A
Basement Wall Area Below Ground Surface (Feet2):	N/A
Exposed Basement above grade?	N/A
Vents or Windows above-grade in exposed basement?	N/A
Unfinished Basement?	N/A
Evidence of moisture intrusion into Basement from Soil?	N/A

Building Survey Form

Factors Potentially Influencing Indoor Air Quality	Input
Is there an attached garage?	No
Is there smoking in the building?	No
Is there new carpet or furniture?	No
Have clothes or drapes been recently dry cleaned?	No
Has painting or staining been done within the last six months?	No
Has the building been recently remodeled?	No
Has the building ever had a fire?	No
Is there a hobby or craft area in the building?	No
Are cleaning solvents stored in the building (e.g., spot cleaner, gun cleaner?	Yes
Is there a fuel oil tank on the property?	No
Is there a septic tank on the property?	No
Has the building been fumigated or sprayed for pests recently?	No
Historically the building was primarily used for?	Manufacturing
Do current building occupants use solvents at another location (e.g., work, hobby)?	None

Meteorological Conditions	Input
Weather:	Partly Cloudy
Outdoor Temperature - High (°F):	64
Outdoor Temperature - Low (°F):	52
Indoor Temperature (°F):	72
Barometric Pressure Reading (mmHg):	29.98-30.04
Wind Direction:	NE
Average Wind Speed (mph):	7
HVAC Setting for Current Season:	Heating

(End of Form)

APPENDIX 5

Soil and Groundwater Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-90510-1
Client Project/Site: Marina Del Ray Project

For:
Geosyntec Consultants, Inc.
3530 Hyland Avenue
Suite 100
Costa Mesa, California 92626

Attn: Girish Kumar

Authorized for release by:
4/12/2022 1:04:55 PM

Stephen Nowak, Project Manager I
(714)895-5494
Stephen.Nowak@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

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: 570-90510-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-90510-1

Comments
No additional comments.

Receipt
The samples were received on 3/29/2022 6:22 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 3.4º 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 570-224279. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-224377.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-225192.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with analytical batch 570-225385: Chloromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-225385 recovered outside control limits for the following analytes: Vinyl acetate.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-225385.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-225500.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

Metals
Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Mercury were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Barium, Lead and Antimony for preparation batch 440-670456 and analytical batch 440-670572 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: SV-01-2 — Lab Sample ID: 570-90510-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	12		1.0		ug/Kg	1		8260B	Total/NA
Tetrachloroethene	2.0		1.0		ug/Kg	1		8260B	Total/NA
Toluene	2.1		1.0		ug/Kg	1		8260B	Total/NA
Trichloroethene	38		2.0		ug/Kg	1		8260B	Total/NA
Arsenic	9.06		3.02		mg/Kg	5		6010B	Total/NA
Barium	156	F1	3.02		mg/Kg	5		6010B	Total/NA
Cadmium	0.955		0.503		mg/Kg	5		6010B	Total/NA
Chromium	30.2		1.01		mg/Kg	5		6010B	Total/NA
Cobalt	7.55		1.01		mg/Kg	5		6010B	Total/NA
Copper	48.0		2.01		mg/Kg	5		6010B	Total/NA
Lead	161	F1	2.01		mg/Kg	5		6010B	Total/NA
Molybdenum	2.24		2.01		mg/Kg	5		6010B	Total/NA
Nickel	19.1		2.01		mg/Kg	5		6010B	Total/NA
Vanadium	39.1		1.01		mg/Kg	5		6010B	Total/NA
Zinc	218		5.03		mg/Kg	5		6010B	Total/NA
Mercury	0.117		0.0806		mg/Kg	1		7471A	Total/NA

Client Sample ID: SV-02-2 — Lab Sample ID: 570-90510-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	23		17		ug/Kg	1		8260B	Total/NA
Arsenic	6.68		3.00		mg/Kg	5		6010B	Total/NA
Barium	80.8		3.00		mg/Kg	5		6010B	Total/NA
Chromium	23.3		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	6.65		1.00		mg/Kg	5		6010B	Total/NA
Copper	18.6		2.00		mg/Kg	5		6010B	Total/NA
Lead	3.28		2.00		mg/Kg	5		6010B	Total/NA
Nickel	15.8		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	35.7		1.00		mg/Kg	5		6010B	Total/NA
Zinc	44.3		5.00		mg/Kg	5		6010B	Total/NA

Client Sample ID: SV-03-2 — Lab Sample ID: 570-90510-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		0.93		ug/Kg	1		8260B	Total/NA
1,1,2-Trichloroethane	1.4		0.93		ug/Kg	1		8260B	Total/NA
1,1-Dichloroethane	3.1		0.93		ug/Kg	1		8260B	Total/NA
Acetone	57		19		ug/Kg	1		8260B	Total/NA
cis-1,2-Dichloroethene	7.0		0.93		ug/Kg	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.6		0.93		ug/Kg	1		8260B	Total/NA
Tetrachloroethene	97		0.93		ug/Kg	1		8260B	Total/NA
Trichloroethene - DL	740		87		ug/Kg	50		8260B	Total/NA
Antimony	37.7		10.2		mg/Kg	5		6010B	Total/NA
Arsenic	9.69		3.06		mg/Kg	5		6010B	Total/NA
Barium	96.5		3.06		mg/Kg	5		6010B	Total/NA
Cadmium	1.06		0.510		mg/Kg	5		6010B	Total/NA
Chromium	30.9		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	6.47		1.02		mg/Kg	5		6010B	Total/NA
Copper	56.0		2.04		mg/Kg	5		6010B	Total/NA
Lead	79.6		2.04		mg/Kg	5		6010B	Total/NA
Nickel	18.8		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	34.4		1.02		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-03-2 (Continued) — Lab Sample ID: 570-90510-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Zinc	499		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-01-2 — Lab Sample ID: 570-90510-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	52		17		ug/Kg	1		8260B	Total/NA
Arsenic	7.21		3.02		mg/Kg	5		6010B	Total/NA
Barium	115		3.02		mg/Kg	5		6010B	Total/NA
Cadmium	0.729		0.503		mg/Kg	5		6010B	Total/NA
Chromium	28.1		1.01		mg/Kg	5		6010B	Total/NA
Cobalt	7.90		1.01		mg/Kg	5		6010B	Total/NA
Copper	37.8		2.01		mg/Kg	5		6010B	Total/NA
Lead	34.2		2.01		mg/Kg	5		6010B	Total/NA
Nickel	22.1		2.01		mg/Kg	5		6010B	Total/NA
Vanadium	42.9		1.01		mg/Kg	5		6010B	Total/NA
Zinc	118		5.03		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-01-10 — Lab Sample ID: 570-90510-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.22		3.05		mg/Kg	5		6010B	Total/NA
Barium	63.2		3.05		mg/Kg	5		6010B	Total/NA
Chromium	24.4		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	5.57		1.02		mg/Kg	5		6010B	Total/NA
Copper	19.3		2.03		mg/Kg	5		6010B	Total/NA
Lead	3.74		2.03		mg/Kg	5		6010B	Total/NA
Nickel	18.8		2.03		mg/Kg	5		6010B	Total/NA
Vanadium	38.9		1.02		mg/Kg	5		6010B	Total/NA
Zinc	36.8		5.08		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-3-2 — Lab Sample ID: 570-90510-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	66		18		ug/Kg	1		8260B	Total/NA
Arsenic	7.25		2.97		mg/Kg	5		6010B	Total/NA
Barium	70.8		2.97		mg/Kg	5		6010B	Total/NA
Chromium	26.5		0.990		mg/Kg	5		6010B	Total/NA
Cobalt	9.25		0.990		mg/Kg	5		6010B	Total/NA
Copper	45.1		1.98		mg/Kg	5		6010B	Total/NA
Lead	5.16		1.98		mg/Kg	5		6010B	Total/NA
Nickel	20.3		1.98		mg/Kg	5		6010B	Total/NA
Vanadium	40.5		0.990		mg/Kg	5		6010B	Total/NA
Zinc	37.2		4.95		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-3-10 — Lab Sample ID: 570-90510-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.4		1.0		ug/Kg	1		8260B	Total/NA
Arsenic	6.50		2.96		mg/Kg	5		6010B	Total/NA
Barium	76.1		2.96		mg/Kg	5		6010B	Total/NA
Chromium	31.4		0.985		mg/Kg	5		6010B	Total/NA
Cobalt	5.63		0.985		mg/Kg	5		6010B	Total/NA
Copper	19.4		1.97		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HP-3-10 (Continued) — Lab Sample ID: 570-90510-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	2.81		1.97		mg/Kg	5		6010B	Total/NA
Nickel	22.0		1.97		mg/Kg	5		6010B	Total/NA
Vanadium	46.8		0.985		mg/Kg	5		6010B	Total/NA
Zinc	45.0		4.93		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-02-2 — Lab Sample ID: 570-90510-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	23		21		ug/Kg	1		8260B	Total/NA
Arsenic	6.18		2.97		mg/Kg	5		6010B	Total/NA
Barium	91.9		2.97		mg/Kg	5		6010B	Total/NA
Cadmium	0.619		0.495		mg/Kg	5		6010B	Total/NA
Chromium	26.8		0.990		mg/Kg	5		6010B	Total/NA
Cobalt	7.40		0.990		mg/Kg	5		6010B	Total/NA
Copper	24.5		1.98		mg/Kg	5		6010B	Total/NA
Lead	16.3		1.98		mg/Kg	5		6010B	Total/NA
Nickel	19.2		1.98		mg/Kg	5		6010B	Total/NA
Vanadium	40.0		0.990		mg/Kg	5		6010B	Total/NA
Zinc	58.9		4.95		mg/Kg	5		6010B	Total/NA

Client Sample ID: HP-02-10 — Lab Sample ID: 570-90510-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.67		3.06		mg/Kg	5		6010B	Total/NA
Barium	66.1		3.06		mg/Kg	5		6010B	Total/NA
Chromium	23.4		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	5.33		1.02		mg/Kg	5		6010B	Total/NA
Copper	17.0		2.04		mg/Kg	5		6010B	Total/NA
Lead	4.25		2.04		mg/Kg	5		6010B	Total/NA
Nickel	19.0		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	37.5		1.02		mg/Kg	5		6010B	Total/NA
Zinc	36.2		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: TB_032922 — Lab Sample ID: 570-90510-10

No Detections.

Client Sample ID: HP-01 — Lab Sample ID: 570-90510-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - RA	5.8		1.0		ug/L	1		8260B	Total/NA
Barium	821		10.0		ug/L	1		6010B	Total Recoverable
Beryllium	6.00		2.00		ug/L	1		6010B	Total Recoverable
Cadmium	8.90		5.00		ug/L	1		6010B	Total Recoverable
Chromium	114		5.00		ug/L	1		6010B	Total Recoverable
Cobalt	84.1		10.0		ug/L	1		6010B	Total Recoverable
Copper	114		10.0		ug/L	1		6010B	Total Recoverable
Lead	8.20		5.00		ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: HP-01 (Continued)

Lab Sample ID: 570-90510-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Nickel	111		10.0		ug/L	1		6010B	Total Recoverable
Vanadium	260		10.0		ug/L	1		6010B	Total Recoverable
Zinc	585		20.0		ug/L	1		6010B	Total Recoverable

Client Sample ID: HP-3

Lab Sample ID: 570-90510-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	28		1.0		ug/L	1		8260B	Total/NA
Barium	234		10.0		ug/L	1		6010B	Total Recoverable
Chromium	44.5		5.00		ug/L	1		6010B	Total Recoverable
Cobalt	20.8		10.0		ug/L	1		6010B	Total Recoverable
Copper	39.3		10.0		ug/L	1		6010B	Total Recoverable
Nickel	35.6		10.0		ug/L	1		6010B	Total Recoverable
Vanadium	69.9		10.0		ug/L	1		6010B	Total Recoverable
Zinc	102		20.0		ug/L	1		6010B	Total Recoverable

Client Sample ID: HP-02

Lab Sample ID: 570-90510-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	62		1.0		ug/L	1		8260B	Total/NA
Vinyl chloride	2.9		0.50		ug/L	1		8260B	Total/NA
Arsenic	44.7		20.0		ug/L	1		6010B	Total Recoverable
Barium	606		10.0		ug/L	1		6010B	Total Recoverable
Beryllium	3.30		2.00		ug/L	1		6010B	Total Recoverable
Cadmium	12.9		5.00		ug/L	1		6010B	Total Recoverable
Chromium	204		5.00		ug/L	1		6010B	Total Recoverable
Cobalt	60.3		10.0		ug/L	1		6010B	Total Recoverable
Copper	154		10.0		ug/L	1		6010B	Total Recoverable
Lead	14.0		5.00		ug/L	1		6010B	Total Recoverable
Molybdenum	48.9		20.0		ug/L	1		6010B	Total Recoverable
Nickel	141		10.0		ug/L	1		6010B	Total Recoverable
Vanadium	219		10.0		ug/L	1		6010B	Total Recoverable
Zinc	1140		20.0		ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: EB

Lab Sample ID: 570-90510-14

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: SV-01-2
Date Collected: 03/29/22 08:46
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,1-Dichloropropene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2-Dibromoethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,2-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,3-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
2,2-Dichloropropane	ND		5.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
2-Butanone	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
2-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
2-Hexanone	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
4-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
4-Methyl-2-pentanone	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Acetone	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Benzene	**12**		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Bromobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Bromochloromethane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Bromodichloromethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Bromoform	ND		5.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Bromomethane	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Carbon disulfide	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Carbon tetrachloride	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Chlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Chloroethane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Chloroform	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Chloromethane	ND		20		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Dibromochloromethane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Dibromomethane	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Ethylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Isopropylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Methylene Chloride	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1

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

Client Sample ID: SV-01-2
Date Collected: 03/29/22 08:46
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
n-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
N-Propylbenzene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
o-Xylene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
m,p-Xylene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
p-Isopropyltoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
sec-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Styrene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
tert-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Tetrachloroethene	**2.0**		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Toluene	**2.1**		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Trichloroethene	**38**		2.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Trichlorofluoromethane	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Vinyl acetate	ND		10		ug/Kg		03/31/22 16:20	04/04/22 22:40	1
Vinyl chloride	ND		1.0		ug/Kg		03/31/22 16:20	04/04/22 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 142*	*03/31/22 16:20*	*04/04/22 22:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/31/22 16:20*	*04/04/22 22:40*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*03/31/22 16:20*	*04/04/22 22:40*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/04/22 22:40*	*1*

Client Sample ID: SV-02-2
Date Collected: 03/29/22 09:43
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1,1-Trichloroethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1,2-Trichloroethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1-Dichloroethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1-Dichloroethene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,1-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2-Dibromo-3-Chloropropane	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2-Dibromoethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2-Dichlorobenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2-Dichloroethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,2-Dichloropropane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,3-Dichlorobenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,3-Dichloropropane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
1,4-Dichlorobenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
2,2-Dichloropropane	ND		4.3		ug/Kg		03/31/22 16:20	04/04/22 23:01	1

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

Client Sample ID: SV-02-2
Date Collected: 03/29/22 09:43
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
2-Chlorotoluene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
2-Hexanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
4-Chlorotoluene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
4-Methyl-2-pentanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Acetone	**23**		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Benzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Bromobenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Bromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Bromodichloromethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Bromoform	ND		4.3		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Bromomethane	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
cis-1,2-Dichloroethene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
cis-1,3-Dichloropropene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Carbon disulfide	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Carbon tetrachloride	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Chlorobenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Chloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Chloroform	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Chloromethane	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Dibromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Dibromomethane	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Ethylbenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Isopropylbenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Methylene Chloride	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Naphthalene	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
n-Butylbenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
N-Propylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
o-Xylene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
m,p-Xylene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
p-Isopropyltoluene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
sec-Butylbenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Styrene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
trans-1,2-Dichloroethene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
tert-Butylbenzene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Tetrachloroethene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Toluene	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Trichloroethene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Trichlorofluoromethane	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Vinyl acetate	ND		8.5		ug/Kg		03/31/22 16:20	04/04/22 23:01	1
Vinyl chloride	ND		0.85		ug/Kg		03/31/22 16:20	04/04/22 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 142*	*03/31/22 16:20*	*04/04/22 23:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:01*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 123*	*03/31/22 16:20*	*04/04/22 23:01*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:01*	*1*

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

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1,1-Trichloroethane	**33**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1,2-Trichloroethane	**1.4**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1-Dichloroethane	**3.1**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1-Dichloroethene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,1-Dichloropropene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2-Dibromo-3-Chloropropane	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2-Dibromoethane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2-Dichlorobenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2-Dichloroethane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,2-Dichloropropane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,3-Dichlorobenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,3-Dichloropropane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
1,4-Dichlorobenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
2,2-Dichloropropane	ND		4.6		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
2-Butanone	ND		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
2-Chlorotoluene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
2-Hexanone	ND		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
4-Chlorotoluene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
4-Methyl-2-pentanone	ND		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Acetone	**57**		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Benzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Bromobenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Bromochloromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Bromodichloromethane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Bromoform	ND		4.6		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Bromomethane	ND		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
cis-1,2-Dichloroethene	**7.0**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
cis-1,3-Dichloropropene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Carbon disulfide	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Carbon tetrachloride	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Chlorobenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Chloroethane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Chloroform	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Chloromethane	ND		19		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Dibromochloromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Dibromomethane	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Ethylbenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Isopropylbenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Methylene Chloride	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1

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

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
n-Butylbenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
N-Propylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
o-Xylene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
m,p-Xylene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
p-Isopropyltoluene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
sec-Butylbenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Styrene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
trans-1,2-Dichloroethene	**2.6**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
tert-Butylbenzene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Tetrachloroethene	**97**		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Toluene	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Trichlorofluoromethane	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Vinyl acetate	ND		9.3		ug/Kg		03/31/22 16:20	04/04/22 23:21	1
Vinyl chloride	ND		0.93		ug/Kg		03/31/22 16:20	04/04/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 142*	*03/31/22 16:20*	*04/04/22 23:21*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:21*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 123*	*03/31/22 16:20*	*04/04/22 23:21*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:21*	*1*

Client Sample ID: HP-01-2
Date Collected: 03/29/22 11:28
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1,1-Trichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1,2-Trichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1-Dichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,1-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2-Dibromoethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2-Dichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,2-Dichloropropane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,3-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,3-Dichloropropane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
1,4-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
2,2-Dichloropropane	ND		4.3		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
2-Butanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1

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

Client Sample ID: HP-01-2
Date Collected: 03/29/22 11:28
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
2-Hexanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
4-Chlorotoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
4-Methyl-2-pentanone	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Acetone	**52**		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Benzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Bromobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Bromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Bromodichloromethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Bromoform	ND		4.3		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Bromomethane	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
cis-1,2-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
cis-1,3-Dichloropropene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Carbon disulfide	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Carbon tetrachloride	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Chlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Chloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Chloroform	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Chloromethane	ND		17		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Dibromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Dibromomethane	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Ethylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Isopropylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Methylene Chloride	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Naphthalene	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
n-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
N-Propylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
o-Xylene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
m,p-Xylene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
p-Isopropyltoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
sec-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Styrene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
trans-1,2-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
tert-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Tetrachloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Toluene	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Trichloroethene	ND		1.7		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Trichlorofluoromethane	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Vinyl acetate	ND		8.6		ug/Kg		03/31/22 16:20	04/04/22 23:42	1
Vinyl chloride	ND		0.86		ug/Kg		03/31/22 16:20	04/04/22 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*03/31/22 16:20*	*04/04/22 23:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:42*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 123*	*03/31/22 16:20*	*04/04/22 23:42*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/04/22 23:42*	*1*

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

Client Sample ID: HP-01-10
Date Collected: 03/29/22 11:45
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1,1-Trichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1,2-Trichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1-Dichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,1-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2-Dibromoethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2-Dichloroethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,2-Dichloropropane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,3-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,3-Dichloropropane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
1,4-Dichlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
2,2-Dichloropropane	ND		4.3		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
2-Butanone	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
2-Chlorotoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
2-Hexanone	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
4-Chlorotoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
4-Methyl-2-pentanone	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Acetone	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Benzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Bromobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Bromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Bromodichloromethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Bromoform	ND		4.3		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Bromomethane	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
cis-1,2-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
cis-1,3-Dichloropropene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Carbon disulfide	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Carbon tetrachloride	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Chlorobenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Chloroethane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Chloroform	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Chloromethane	ND		17		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Dibromochloromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Dibromomethane	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Ethylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Isopropylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Methylene Chloride	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1

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

Client Sample ID: HP-01-10
Date Collected: 03/29/22 11:45
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
n-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
N-Propylbenzene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
o-Xylene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
m,p-Xylene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
p-Isopropyltoluene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
sec-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Styrene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
trans-1,2-Dichloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
tert-Butylbenzene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Tetrachloroethene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Toluene	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Trichloroethene	ND		1.7		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Trichlorofluoromethane	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Vinyl acetate	ND		8.6		ug/Kg		03/31/22 16:20	04/05/22 00:03	1
Vinyl chloride	ND		0.86		ug/Kg		03/31/22 16:20	04/05/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*03/31/22 16:20*	*04/05/22 00:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:03*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*03/31/22 16:20*	*04/05/22 00:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:03*	*1*

Client Sample ID: HP-3-2
Date Collected: 03/29/22 13:44
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1,1-Trichloroethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1,2-Trichloroethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1-Dichloroethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1-Dichloroethene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,1-Dichloropropene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2-Dibromoethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2-Dichlorobenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2-Dichloroethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,2-Dichloropropane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,3-Dichlorobenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,3-Dichloropropane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
1,4-Dichlorobenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
2,2-Dichloropropane	ND		4.6		ug/Kg		03/31/22 16:20	04/05/22 00:24	1

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

Client Sample ID: HP-3-2
Date Collected: 03/29/22 13:44
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
2-Chlorotoluene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
2-Hexanone	ND		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
4-Chlorotoluene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
4-Methyl-2-pentanone	ND		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Acetone	**66**		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Benzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Bromobenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Bromochloromethane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Bromodichloromethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Bromoform	ND		4.6		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Bromomethane	ND		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
cis-1,2-Dichloroethene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
cis-1,3-Dichloropropene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Carbon disulfide	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Carbon tetrachloride	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Chlorobenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Chloroethane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Chloroform	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Chloromethane	ND		18		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Dibromochloromethane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Dibromomethane	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Ethylbenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Isopropylbenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Methylene Chloride	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Naphthalene	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
n-Butylbenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
N-Propylbenzene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
o-Xylene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
m,p-Xylene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
p-Isopropyltoluene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
sec-Butylbenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Styrene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
trans-1,2-Dichloroethene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
tert-Butylbenzene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Tetrachloroethene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Toluene	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Trichloroethene	ND		1.8		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Trichlorofluoromethane	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Vinyl acetate	ND		9.2		ug/Kg		03/31/22 16:20	04/05/22 00:24	1
Vinyl chloride	ND		0.92		ug/Kg		03/31/22 16:20	04/05/22 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*03/31/22 16:20*	*04/05/22 00:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:24*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 123*	*03/31/22 16:20*	*04/05/22 00:24*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:24*	*1*

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

Client Sample ID: HP-3-10
Date Collected: 03/29/22 14:01
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,1-Dichloropropene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2-Dibromoethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,2-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,3-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
2,2-Dichloropropane	ND		5.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
2-Butanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
2-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
2-Hexanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
4-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
4-Methyl-2-pentanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Acetone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Benzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Bromobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Bromochloromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Bromodichloromethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Bromoform	ND		5.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Bromomethane	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Carbon disulfide	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Carbon tetrachloride	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Chlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Chloroethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Chloroform	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Chloromethane	ND		21		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Dibromochloromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Dibromomethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Ethylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Isopropylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Methylene Chloride	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1

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

Client Sample ID: HP-3-10
Date Collected: 03/29/22 14:01
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
n-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
N-Propylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
o-Xylene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
m,p-Xylene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
p-Isopropyltoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
sec-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Styrene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
tert-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Tetrachloroethene	**1.4**		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Toluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Trichloroethene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Trichlorofluoromethane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Vinyl acetate	ND		10		ug/Kg		03/31/22 16:20	04/05/22 00:45	1
Vinyl chloride	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 142*	*03/31/22 16:20*	*04/05/22 00:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:45*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*03/31/22 16:20*	*04/05/22 00:45*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/05/22 00:45*	*1*

Client Sample ID: HP-02-2
Date Collected: 03/29/22 14:38
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,1-Dichloropropene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2-Dibromoethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2-Dichloroethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,2-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,3-Dichloropropane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
2,2-Dichloropropane	ND		5.2		ug/Kg		03/31/22 16:20	04/05/22 01:05	1

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

Client Sample ID: HP-02-2
Date Collected: 03/29/22 14:38
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
2-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
2-Hexanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
4-Chlorotoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
4-Methyl-2-pentanone	ND		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Acetone	**23**		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Benzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Bromobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Bromochloromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Bromodichloromethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Bromoform	ND		5.2		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Bromomethane	ND		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Carbon disulfide	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Carbon tetrachloride	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Chlorobenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Chloroethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Chloroform	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Chloromethane	ND		21		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Dibromochloromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Dibromomethane	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Ethylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Isopropylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Methylene Chloride	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Naphthalene	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
n-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
N-Propylbenzene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
o-Xylene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
m,p-Xylene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
p-Isopropyltoluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
sec-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Styrene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
tert-Butylbenzene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Tetrachloroethene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Toluene	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Trichloroethene	ND		2.1		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Trichlorofluoromethane	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Vinyl acetate	ND		10		ug/Kg		03/31/22 16:20	04/05/22 01:05	1
Vinyl chloride	ND		1.0		ug/Kg		03/31/22 16:20	04/05/22 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 142*	*03/31/22 16:20*	*04/05/22 01:05*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*	*03/31/22 16:20*	*04/05/22 01:05*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 123*	*03/31/22 16:20*	*04/05/22 01:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/05/22 01:05*	*1*

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

Client Sample ID: HP-02-10
Date Collected: 03/29/22 14:54
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1,1-Trichloroethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1,2-Trichloroethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1-Dichloroethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1-Dichloroethene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,1-Dichloropropene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2-Dibromo-3-Chloropropane	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2-Dibromoethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2-Dichlorobenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2-Dichloroethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,2-Dichloropropane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,3-Dichlorobenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,3-Dichloropropane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
1,4-Dichlorobenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
2,2-Dichloropropane	ND		4.8		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
2-Butanone	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
2-Chlorotoluene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
2-Hexanone	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
4-Chlorotoluene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
4-Methyl-2-pentanone	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Acetone	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Benzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Bromobenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Bromochloromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Bromodichloromethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Bromoform	ND		4.8		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Bromomethane	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
cis-1,2-Dichloroethene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
cis-1,3-Dichloropropene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Carbon disulfide	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Carbon tetrachloride	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Chlorobenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Chloroethane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Chloroform	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Chloromethane	ND		19		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Dibromochloromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Dibromomethane	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Ethylbenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Isopropylbenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Methylene Chloride	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1

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

Client Sample ID: HP-02-10
Date Collected: 03/29/22 14:54
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
n-Butylbenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
N-Propylbenzene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
o-Xylene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
m,p-Xylene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
p-Isopropyltoluene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
sec-Butylbenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Styrene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
trans-1,2-Dichloroethene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
tert-Butylbenzene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Tetrachloroethene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Toluene	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Trichloroethene	ND		1.9		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Trichlorofluoromethane	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Vinyl acetate	ND		9.6		ug/Kg		03/31/22 16:20	04/05/22 01:26	1
Vinyl chloride	ND		0.96		ug/Kg		03/31/22 16:20	04/05/22 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 142*	*03/31/22 16:20*	*04/05/22 01:26*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*03/31/22 16:20*	*04/05/22 01:26*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 123*	*03/31/22 16:20*	*04/05/22 01:26*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/31/22 16:20*	*04/05/22 01:26*	*1*

Client Sample ID: TB_032922
Date Collected: 03/29/22 11:23
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-10
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/09/22 13:39	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/09/22 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/09/22 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/09/22 13:39	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/09/22 13:39	1
1,1-Dichloroethane	ND		1.0		ug/L			04/09/22 13:39	1
1,1-Dichloroethene	ND		1.0		ug/L			04/09/22 13:39	1
1,1-Dichloropropene	ND		1.0		ug/L			04/09/22 13:39	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/09/22 13:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/09/22 13:39	1
1,2-Dibromoethane	ND		1.0		ug/L			04/09/22 13:39	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,2-Dichloroethane	ND		0.50		ug/L			04/09/22 13:39	1
1,2-Dichloropropane	ND		1.0		ug/L			04/09/22 13:39	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
1,3-Dichloropropane	ND		1.0		ug/L			04/09/22 13:39	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
2,2-Dichloropropane	ND		1.0		ug/L			04/09/22 13:39	1

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

Client Sample ID: TB_032922
Date Collected: 03/29/22 11:23
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-10
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			04/09/22 13:39	1
2-Chlorotoluene	ND		1.0		ug/L			04/09/22 13:39	1
2-Hexanone	ND		10		ug/L			04/09/22 13:39	1
4-Chlorotoluene	ND		1.0		ug/L			04/09/22 13:39	1
4-Methyl-2-pentanone	ND		10		ug/L			04/09/22 13:39	1
Acetone	ND		20		ug/L			04/09/22 13:39	1
Benzene	ND		0.50		ug/L			04/09/22 13:39	1
Bromobenzene	ND		1.0		ug/L			04/09/22 13:39	1
Bromochloromethane	ND		2.0		ug/L			04/09/22 13:39	1
Bromodichloromethane	ND		1.0		ug/L			04/09/22 13:39	1
Bromoform	ND		5.0		ug/L			04/09/22 13:39	1
Bromomethane	ND		25		ug/L			04/09/22 13:39	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 13:39	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 13:39	1
Carbon disulfide	ND		10		ug/L			04/09/22 13:39	1
Carbon tetrachloride	ND		0.50		ug/L			04/09/22 13:39	1
Chlorobenzene	ND		1.0		ug/L			04/09/22 13:39	1
Chloroethane	ND		5.0		ug/L			04/09/22 13:39	1
Chloroform	ND		1.0		ug/L			04/09/22 13:39	1
Chloromethane	ND		10		ug/L			04/09/22 13:39	1
Dibromochloromethane	ND		2.0		ug/L			04/09/22 13:39	1
Dibromomethane	ND		1.0		ug/L			04/09/22 13:39	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/09/22 13:39	1
Ethylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
Isopropylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
Methylene Chloride	ND		10		ug/L			04/09/22 13:39	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/09/22 13:39	1
Naphthalene	ND		10		ug/L			04/09/22 13:39	1
n-Butylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
N-Propylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
o-Xylene	ND		1.0		ug/L			04/09/22 13:39	1
m,p-Xylene	ND		2.0		ug/L			04/09/22 13:39	1
p-Isopropyltoluene	ND		1.0		ug/L			04/09/22 13:39	1
sec-Butylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
Styrene	ND		1.0		ug/L			04/09/22 13:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 13:39	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 13:39	1
tert-Butylbenzene	ND		1.0		ug/L			04/09/22 13:39	1
Tetrachloroethene	ND		1.0		ug/L			04/09/22 13:39	1
Toluene	ND		1.0		ug/L			04/09/22 13:39	1
Trichloroethene	ND		1.0		ug/L			04/09/22 13:39	1
Trichlorofluoromethane	ND		10		ug/L			04/09/22 13:39	1
Vinyl acetate	ND		10		ug/L			04/09/22 13:39	1
Vinyl chloride	ND		0.50		ug/L			04/09/22 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 123*		*04/09/22 13:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/09/22 13:39*	*1*
Dibromofluoromethane (Surr)	*104*		*78 - 120*		*04/09/22 13:39*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/09/22 13:39*	*1*

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

Client Sample ID: HP-01
Date Collected: 03/29/22 12:13
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-11
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/08/22 13:22	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/08/22 13:22	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/08/22 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/08/22 13:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/08/22 13:22	1
1,1-Dichloroethane	ND		1.0		ug/L			04/08/22 13:22	1
1,1-Dichloroethene	ND		1.0		ug/L			04/08/22 13:22	1
1,1-Dichloropropene	ND		1.0		ug/L			04/08/22 13:22	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/08/22 13:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/08/22 13:22	1
1,2-Dibromoethane	ND		1.0		ug/L			04/08/22 13:22	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,2-Dichloroethane	ND		0.50		ug/L			04/08/22 13:22	1
1,2-Dichloropropane	ND		1.0		ug/L			04/08/22 13:22	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
1,3-Dichloropropane	ND		1.0		ug/L			04/08/22 13:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
2,2-Dichloropropane	ND		1.0		ug/L			04/08/22 13:22	1
2-Butanone	ND		20		ug/L			04/08/22 13:22	1
2-Chlorotoluene	ND		1.0		ug/L			04/08/22 13:22	1
2-Hexanone	ND		10		ug/L			04/08/22 13:22	1
4-Chlorotoluene	ND		1.0		ug/L			04/08/22 13:22	1
4-Methyl-2-pentanone	ND		10		ug/L			04/08/22 13:22	1
Acetone	ND		20		ug/L			04/08/22 13:22	1
Benzene	ND		0.50		ug/L			04/08/22 13:22	1
Bromobenzene	ND		1.0		ug/L			04/08/22 13:22	1
Bromochloromethane	ND		2.0		ug/L			04/08/22 13:22	1
Bromodichloromethane	ND		1.0		ug/L			04/08/22 13:22	1
Bromoform	ND		5.0		ug/L			04/08/22 13:22	1
Bromomethane	ND		25		ug/L			04/08/22 13:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 13:22	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 13:22	1
Carbon disulfide	ND		10		ug/L			04/08/22 13:22	1
Carbon tetrachloride	ND		0.50		ug/L			04/08/22 13:22	1
Chlorobenzene	ND		1.0		ug/L			04/08/22 13:22	1
Chloroethane	ND		5.0		ug/L			04/08/22 13:22	1
Chloroform	ND		1.0		ug/L			04/08/22 13:22	1
Chloromethane	ND		10		ug/L			04/08/22 13:22	1
Dibromochloromethane	ND		2.0		ug/L			04/08/22 13:22	1
Dibromomethane	ND		1.0		ug/L			04/08/22 13:22	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/08/22 13:22	1
Ethylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
Isopropylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
Methylene Chloride	ND		10		ug/L			04/08/22 13:22	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/08/22 13:22	1

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

Client Sample ID: HP-01
Date Collected: 03/29/22 12:13
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-11
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/L			04/08/22 13:22	1
n-Butylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
N-Propylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
o-Xylene	ND		1.0		ug/L			04/08/22 13:22	1
m,p-Xylene	ND		2.0		ug/L			04/08/22 13:22	1
p-Isopropyltoluene	ND		1.0		ug/L			04/08/22 13:22	1
sec-Butylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
Styrene	ND		1.0		ug/L			04/08/22 13:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 13:22	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 13:22	1
tert-Butylbenzene	ND		1.0		ug/L			04/08/22 13:22	1
Tetrachloroethene	ND		1.0		ug/L			04/08/22 13:22	1
Toluene	ND		1.0		ug/L			04/08/22 13:22	1
Trichlorofluoromethane	ND		10		ug/L			04/08/22 13:22	1
Vinyl acetate	ND		10		ug/L			04/08/22 13:22	1
Vinyl chloride	ND		0.50		ug/L			04/08/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 123*		*04/08/22 13:22*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/08/22 13:22*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 120*		*04/08/22 13:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/08/22 13:22*	*1*

Client Sample ID: HP-3
Date Collected: 03/29/22 14:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-12
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/09/22 05:57	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/09/22 05:57	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/09/22 05:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/09/22 05:57	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/09/22 05:57	1
1,1-Dichloroethane	ND		1.0		ug/L			04/09/22 05:57	1
1,1-Dichloroethene	ND		1.0		ug/L			04/09/22 05:57	1
1,1-Dichloropropene	ND		1.0		ug/L			04/09/22 05:57	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/09/22 05:57	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/09/22 05:57	1
1,2-Dibromoethane	ND		1.0		ug/L			04/09/22 05:57	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,2-Dichloroethane	ND		0.50		ug/L			04/09/22 05:57	1
1,2-Dichloropropane	ND		1.0		ug/L			04/09/22 05:57	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
1,3-Dichloropropane	ND		1.0		ug/L			04/09/22 05:57	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
2,2-Dichloropropane	ND		1.0		ug/L			04/09/22 05:57	1
2-Butanone	ND		20		ug/L			04/09/22 05:57	1

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

Client Sample ID: HP-3
Date Collected: 03/29/22 14:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-12
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.0		ug/L			04/09/22 05:57	1
2-Hexanone	ND		10		ug/L			04/09/22 05:57	1
4-Chlorotoluene	ND		1.0		ug/L			04/09/22 05:57	1
4-Methyl-2-pentanone	ND		10		ug/L			04/09/22 05:57	1
Acetone	ND		20		ug/L			04/09/22 05:57	1
Benzene	ND		0.50		ug/L			04/09/22 05:57	1
Bromobenzene	ND		1.0		ug/L			04/09/22 05:57	1
Bromochloromethane	ND		2.0		ug/L			04/09/22 05:57	1
Bromodichloromethane	ND		1.0		ug/L			04/09/22 05:57	1
Bromoform	ND		5.0		ug/L			04/09/22 05:57	1
Bromomethane	ND		25		ug/L			04/09/22 05:57	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 05:57	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 05:57	1
Carbon disulfide	ND		10		ug/L			04/09/22 05:57	1
Carbon tetrachloride	ND		0.50		ug/L			04/09/22 05:57	1
Chlorobenzene	ND		1.0		ug/L			04/09/22 05:57	1
Chloroethane	ND		5.0		ug/L			04/09/22 05:57	1
Chloroform	ND		1.0		ug/L			04/09/22 05:57	1
Chloromethane	ND	*+	10		ug/L			04/09/22 05:57	1
Dibromochloromethane	ND		2.0		ug/L			04/09/22 05:57	1
Dibromomethane	ND		1.0		ug/L			04/09/22 05:57	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/09/22 05:57	1
Ethylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
Isopropylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
Methylene Chloride	ND		10		ug/L			04/09/22 05:57	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/09/22 05:57	1
Naphthalene	ND		10		ug/L			04/09/22 05:57	1
n-Butylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
N-Propylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
o-Xylene	ND		1.0		ug/L			04/09/22 05:57	1
m,p-Xylene	ND		2.0		ug/L			04/09/22 05:57	1
p-Isopropyltoluene	ND		1.0		ug/L			04/09/22 05:57	1
sec-Butylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
Styrene	ND		1.0		ug/L			04/09/22 05:57	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 05:57	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 05:57	1
tert-Butylbenzene	ND		1.0		ug/L			04/09/22 05:57	1
Tetrachloroethene	**1.1**		1.0		ug/L			04/09/22 05:57	1
Toluene	ND		1.0		ug/L			04/09/22 05:57	1
Trichloroethene	**28**		1.0		ug/L			04/09/22 05:57	1
Trichlorofluoromethane	ND		10		ug/L			04/09/22 05:57	1
Vinyl acetate	ND	*1	10		ug/L			04/09/22 05:57	1
Vinyl chloride	ND		0.50		ug/L			04/09/22 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*		*04/09/22 05:57*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/09/22 05:57*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 120*		*04/09/22 05:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/09/22 05:57*	*1*

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

Client Sample ID: HP-02
Date Collected: 03/29/22 15:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-13
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/09/22 06:25	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/09/22 06:25	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/09/22 06:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/09/22 06:25	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/09/22 06:25	1
1,1-Dichloroethane	ND		1.0		ug/L			04/09/22 06:25	1
1,1-Dichloroethene	ND		1.0		ug/L			04/09/22 06:25	1
1,1-Dichloropropene	ND		1.0		ug/L			04/09/22 06:25	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/09/22 06:25	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/09/22 06:25	1
1,2-Dibromoethane	ND		1.0		ug/L			04/09/22 06:25	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,2-Dichloroethane	ND		0.50		ug/L			04/09/22 06:25	1
1,2-Dichloropropane	ND		1.0		ug/L			04/09/22 06:25	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
1,3-Dichloropropane	ND		1.0		ug/L			04/09/22 06:25	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
2,2-Dichloropropane	ND		1.0		ug/L			04/09/22 06:25	1
2-Butanone	ND		20		ug/L			04/09/22 06:25	1
2-Chlorotoluene	ND		1.0		ug/L			04/09/22 06:25	1
2-Hexanone	ND		10		ug/L			04/09/22 06:25	1
4-Chlorotoluene	ND		1.0		ug/L			04/09/22 06:25	1
4-Methyl-2-pentanone	ND		10		ug/L			04/09/22 06:25	1
Acetone	ND		20		ug/L			04/09/22 06:25	1
Benzene	ND		0.50		ug/L			04/09/22 06:25	1
Bromobenzene	ND		1.0		ug/L			04/09/22 06:25	1
Bromochloromethane	ND		2.0		ug/L			04/09/22 06:25	1
Bromodichloromethane	ND		1.0		ug/L			04/09/22 06:25	1
Bromoform	ND		5.0		ug/L			04/09/22 06:25	1
Bromomethane	ND		25		ug/L			04/09/22 06:25	1
cis-1,2-Dichloroethene	**62**		1.0		ug/L			04/09/22 06:25	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 06:25	1
Carbon disulfide	ND		10		ug/L			04/09/22 06:25	1
Carbon tetrachloride	ND		0.50		ug/L			04/09/22 06:25	1
Chlorobenzene	ND		1.0		ug/L			04/09/22 06:25	1
Chloroethane	ND		5.0		ug/L			04/09/22 06:25	1
Chloroform	ND		1.0		ug/L			04/09/22 06:25	1
Chloromethane	ND	*+	10		ug/L			04/09/22 06:25	1
Dibromochloromethane	ND		2.0		ug/L			04/09/22 06:25	1
Dibromomethane	ND		1.0		ug/L			04/09/22 06:25	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/09/22 06:25	1
Ethylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
Isopropylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
Methylene Chloride	ND		10		ug/L			04/09/22 06:25	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/09/22 06:25	1

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

Client Sample ID: HP-02
Date Collected: 03/29/22 15:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-13
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/L			04/09/22 06:25	1
n-Butylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
N-Propylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
o-Xylene	ND		1.0		ug/L			04/09/22 06:25	1
m,p-Xylene	ND		2.0		ug/L			04/09/22 06:25	1
p-Isopropyltoluene	ND		1.0		ug/L			04/09/22 06:25	1
sec-Butylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
Styrene	ND		1.0		ug/L			04/09/22 06:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 06:25	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 06:25	1
tert-Butylbenzene	ND		1.0		ug/L			04/09/22 06:25	1
Tetrachloroethene	ND		1.0		ug/L			04/09/22 06:25	1
Toluene	ND		1.0		ug/L			04/09/22 06:25	1
Trichloroethene	ND		1.0		ug/L			04/09/22 06:25	1
Trichlorofluoromethane	ND		10		ug/L			04/09/22 06:25	1
Vinyl acetate	ND	*1	10		ug/L			04/09/22 06:25	1
Vinyl chloride	**2.9**		0.50		ug/L			04/09/22 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 123*		*04/09/22 06:25*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/09/22 06:25*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 120*		*04/09/22 06:25*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/09/22 06:25*	*1*

Client Sample ID: EB
Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/08/22 11:59	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/08/22 11:59	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/08/22 11:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/08/22 11:59	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/08/22 11:59	1
1,1-Dichloroethane	ND		1.0		ug/L			04/08/22 11:59	1
1,1-Dichloroethene	ND		1.0		ug/L			04/08/22 11:59	1
1,1-Dichloropropene	ND		1.0		ug/L			04/08/22 11:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/08/22 11:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/08/22 11:59	1
1,2-Dibromoethane	ND		1.0		ug/L			04/08/22 11:59	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,2-Dichloroethane	ND		0.50		ug/L			04/08/22 11:59	1
1,2-Dichloropropane	ND		1.0		ug/L			04/08/22 11:59	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
1,3-Dichloropropane	ND		1.0		ug/L			04/08/22 11:59	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
2,2-Dichloropropane	ND		1.0		ug/L			04/08/22 11:59	1

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

Client Sample ID: EB
Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			04/08/22 11:59	1
2-Chlorotoluene	ND		1.0		ug/L			04/08/22 11:59	1
2-Hexanone	ND		10		ug/L			04/08/22 11:59	1
4-Chlorotoluene	ND		1.0		ug/L			04/08/22 11:59	1
4-Methyl-2-pentanone	ND		10		ug/L			04/08/22 11:59	1
Acetone	ND		20		ug/L			04/08/22 11:59	1
Benzene	ND		0.50		ug/L			04/08/22 11:59	1
Bromobenzene	ND		1.0		ug/L			04/08/22 11:59	1
Bromochloromethane	ND		2.0		ug/L			04/08/22 11:59	1
Bromodichloromethane	ND		1.0		ug/L			04/08/22 11:59	1
Bromoform	ND		5.0		ug/L			04/08/22 11:59	1
Bromomethane	ND		25		ug/L			04/08/22 11:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 11:59	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 11:59	1
Carbon disulfide	ND		10		ug/L			04/08/22 11:59	1
Carbon tetrachloride	ND		0.50		ug/L			04/08/22 11:59	1
Chlorobenzene	ND		1.0		ug/L			04/08/22 11:59	1
Chloroethane	ND		5.0		ug/L			04/08/22 11:59	1
Chloroform	ND		1.0		ug/L			04/08/22 11:59	1
Chloromethane	ND		10		ug/L			04/08/22 11:59	1
Dibromochloromethane	ND		2.0		ug/L			04/08/22 11:59	1
Dibromomethane	ND		1.0		ug/L			04/08/22 11:59	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/08/22 11:59	1
Ethylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
Isopropylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
Methylene Chloride	ND		10		ug/L			04/08/22 11:59	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/08/22 11:59	1
Naphthalene	ND		10		ug/L			04/08/22 11:59	1
n-Butylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
N-Propylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
o-Xylene	ND		1.0		ug/L			04/08/22 11:59	1
m,p-Xylene	ND		2.0		ug/L			04/08/22 11:59	1
p-Isopropyltoluene	ND		1.0		ug/L			04/08/22 11:59	1
sec-Butylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
Styrene	ND		1.0		ug/L			04/08/22 11:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 11:59	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 11:59	1
tert-Butylbenzene	ND		1.0		ug/L			04/08/22 11:59	1
Tetrachloroethene	ND		1.0		ug/L			04/08/22 11:59	1
Toluene	ND		1.0		ug/L			04/08/22 11:59	1
Trichlorofluoromethane	ND		10		ug/L			04/08/22 11:59	1
Vinyl acetate	ND		10		ug/L			04/08/22 11:59	1
Vinyl chloride	ND		0.50		ug/L			04/08/22 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 123*		*04/08/22 11:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*04/08/22 11:59*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 120*		*04/08/22 11:59*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/08/22 11:59*	*1*

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

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

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	740		87		ug/Kg		03/31/22 16:17	04/05/22 19:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 142*	*03/31/22 16:17*	*04/05/22 19:38*	*50*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*03/31/22 16:17*	*04/05/22 19:38*	*50*
Dibromofluoromethane (Surr)	*98*		*80 - 123*	*03/31/22 16:17*	*04/05/22 19:38*	*50*
Toluene-d8 (Surr)	*108*		*80 - 120*	*03/31/22 16:17*	*04/05/22 19:38*	*50*

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

Client Sample ID: HP-01
Date Collected: 03/29/22 12:13
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-11
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**5.8**		1.0		ug/L			04/09/22 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 123*		*04/09/22 05:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*04/09/22 05:29*	*1*
Dibromofluoromethane (Surr)	*107*		*78 - 120*		*04/09/22 05:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/09/22 05:29*	*1*

Client Sample ID: EB
Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0		ug/L			04/08/22 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 123*		*04/08/22 22:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/08/22 22:32*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 120*		*04/08/22 22:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/08/22 22:32*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: SV-01-2
Date Collected: 03/29/22 08:46
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	10.1		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Arsenic	**9.06**		3.02		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Barium	**156**	**F1**	3.02		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Beryllium	ND		0.503		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Cadmium	**0.955**		0.503		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Chromium	**30.2**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Cobalt	**7.55**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Copper	**48.0**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Lead	**161**	**F1**	2.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Molybdenum	**2.24**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Nickel	**19.1**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Selenium	ND		3.02		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Silver	ND		1.51		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Thallium	ND		10.1		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Vanadium	**39.1**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:38	5
Zinc	**218**		5.03		mg/Kg		04/05/22 10:00	04/06/22 14:38	5

Client Sample ID: SV-02-2
Date Collected: 03/29/22 09:43
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Arsenic	**6.68**		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Barium	**80.8**		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Beryllium	ND		0.500		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Cadmium	ND		0.500		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Chromium	**23.3**		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Cobalt	**6.65**		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Copper	**18.6**		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Lead	**3.28**		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Molybdenum	ND		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Nickel	**15.8**		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Selenium	ND		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Silver	ND		1.50		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Thallium	ND		10.0		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Vanadium	**35.7**		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5
Zinc	**44.3**		5.00		mg/Kg		04/05/22 10:00	04/06/22 14:50	5

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**37.7**		10.2		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Arsenic	**9.69**		3.06		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Barium	**96.5**		3.06		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Beryllium	ND		0.510		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Cadmium	**1.06**		0.510		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Chromium	**30.9**		1.02		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Cobalt	**6.47**		1.02		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Copper	**56.0**		2.04		mg/Kg		04/05/22 10:00	04/06/22 14:53	5

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

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**79.6**		2.04		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Molybdenum	ND		2.04		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Nickel	**18.8**		2.04		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Selenium	ND		3.06		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Silver	ND		1.53		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Thallium	ND		10.2		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Vanadium	**34.4**		1.02		mg/Kg		04/05/22 10:00	04/06/22 14:53	5
Zinc	**499**		5.10		mg/Kg		04/05/22 10:00	04/06/22 14:53	5

Client Sample ID: HP-01-2
Date Collected: 03/29/22 11:28
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Arsenic	**7.21**		3.02		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Barium	**115**		3.02		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Beryllium	ND		0.503		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Cadmium	**0.729**		0.503		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Chromium	**28.1**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Cobalt	**7.90**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Copper	**37.8**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Lead	**34.2**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Molybdenum	ND		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Nickel	**22.1**		2.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Selenium	ND		3.02		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Silver	ND		1.51		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Thallium	ND		10.1		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Vanadium	**42.9**		1.01		mg/Kg		04/05/22 10:00	04/06/22 14:55	5
Zinc	**118**		5.03		mg/Kg		04/05/22 10:00	04/06/22 14:55	5

Client Sample ID: HP-01-10
Date Collected: 03/29/22 11:45
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Arsenic	**7.22**		3.05		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Barium	**63.2**		3.05		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Beryllium	ND		0.508		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Cadmium	ND		0.508		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Chromium	**24.4**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Cobalt	**5.57**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Copper	**19.3**		2.03		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Lead	**3.74**		2.03		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Molybdenum	ND		2.03		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Nickel	**18.8**		2.03		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Selenium	ND		3.05		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Silver	ND		1.52		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Thallium	ND		10.2		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Vanadium	**38.9**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:04	5
Zinc	**36.8**		5.08		mg/Kg		04/05/22 10:00	04/06/22 15:04	5

Method: 6010B - Metals (ICP)

Client Sample ID: HP-3-2
Date Collected: 03/29/22 13:44
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Arsenic	**7.25**		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Barium	**70.8**		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Beryllium	ND		0.495		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Cadmium	ND		0.495		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Chromium	**26.5**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Cobalt	**9.25**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Copper	**45.1**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Lead	**5.16**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Molybdenum	ND		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Nickel	**20.3**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Selenium	ND		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Silver	ND		1.49		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Thallium	ND		9.90		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Vanadium	**40.5**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:07	5
Zinc	**37.2**		4.95		mg/Kg		04/05/22 10:00	04/06/22 15:07	5

Client Sample ID: HP-3-10
Date Collected: 03/29/22 14:01
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Arsenic	**6.50**		2.96		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Barium	**76.1**		2.96		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Beryllium	ND		0.493		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Cadmium	ND		0.493		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Chromium	**31.4**		0.985		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Cobalt	**5.63**		0.985		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Copper	**19.4**		1.97		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Lead	**2.81**		1.97		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Molybdenum	ND		1.97		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Nickel	**22.0**		1.97		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Selenium	ND		2.96		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Silver	ND		1.48		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Thallium	ND		9.85		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Vanadium	**46.8**		0.985		mg/Kg		04/05/22 10:00	04/06/22 15:09	5
Zinc	**45.0**		4.93		mg/Kg		04/05/22 10:00	04/06/22 15:09	5

Client Sample ID: HP-02-2
Date Collected: 03/29/22 14:38
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Arsenic	**6.18**		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Barium	**91.9**		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Beryllium	ND		0.495		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Cadmium	**0.619**		0.495		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Chromium	**26.8**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Cobalt	**7.40**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Copper	**24.5**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:11	5

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

Client Sample ID: HP-02-2
Date Collected: 03/29/22 14:38
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**16.3**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Molybdenum	ND		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Nickel	**19.2**		1.98		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Selenium	ND		2.97		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Silver	ND		1.49		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Thallium	ND		9.90		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Vanadium	**40.0**		0.990		mg/Kg		04/05/22 10:00	04/06/22 15:11	5
Zinc	**58.9**		4.95		mg/Kg		04/05/22 10:00	04/06/22 15:11	5

Client Sample ID: HP-02-10
Date Collected: 03/29/22 14:54
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Arsenic	**7.67**		3.06		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Barium	**66.1**		3.06		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Beryllium	ND		0.510		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Cadmium	ND		0.510		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Chromium	**23.4**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Cobalt	**5.33**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Copper	**17.0**		2.04		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Lead	**4.25**		2.04		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Molybdenum	ND		2.04		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Nickel	**19.0**		2.04		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Selenium	ND		3.06		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Silver	ND		1.53		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Thallium	ND		10.2		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Vanadium	**37.5**		1.02		mg/Kg		04/05/22 10:00	04/06/22 15:14	5
Zinc	**36.2**		5.10		mg/Kg		04/05/22 10:00	04/06/22 15:14	5

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: HP-01
Date Collected: 03/29/22 12:13
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-11
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Arsenic	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Barium	**821**		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Beryllium	**6.00**		2.00		ug/L		04/07/22 08:18	04/08/22 19:29	1
Cadmium	**8.90**		5.00		ug/L		04/07/22 08:18	04/08/22 19:29	1
Chromium	**114**		5.00		ug/L		04/07/22 08:18	04/08/22 19:29	1
Cobalt	**84.1**		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Copper	**114**		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Lead	**8.20**		5.00		ug/L		04/07/22 08:18	04/08/22 19:29	1
Molybdenum	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Nickel	**111**		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Selenium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Silver	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Thallium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Vanadium	**260**		10.0		ug/L		04/07/22 08:18	04/08/22 19:29	1
Zinc	**585**		20.0		ug/L		04/07/22 08:18	04/08/22 19:29	1

Client Sample ID: HP-3
Date Collected: 03/29/22 14:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-12
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Arsenic	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Barium	**234**		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Beryllium	ND		2.00		ug/L		04/07/22 08:18	04/08/22 19:32	1
Cadmium	ND		5.00		ug/L		04/07/22 08:18	04/08/22 19:32	1
Chromium	**44.5**		5.00		ug/L		04/07/22 08:18	04/08/22 19:32	1
Cobalt	**20.8**		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Copper	**39.3**		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Lead	ND		5.00		ug/L		04/07/22 08:18	04/08/22 19:32	1
Molybdenum	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Nickel	**35.6**		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Selenium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Silver	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Thallium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Vanadium	**69.9**		10.0		ug/L		04/07/22 08:18	04/08/22 19:32	1
Zinc	**102**		20.0		ug/L		04/07/22 08:18	04/08/22 19:32	1

Client Sample ID: HP-02
Date Collected: 03/29/22 15:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-13
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Arsenic	**44.7**		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Barium	**606**		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Beryllium	**3.30**		2.00		ug/L		04/07/22 08:18	04/08/22 19:34	1
Cadmium	**12.9**		5.00		ug/L		04/07/22 08:18	04/08/22 19:34	1
Chromium	**204**		5.00		ug/L		04/07/22 08:18	04/08/22 19:34	1
Cobalt	**60.3**		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Copper	**154**		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1

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

Client Sample ID: HP-02
Date Collected: 03/29/22 15:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-13
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**14.0**		5.00		ug/L		04/07/22 08:18	04/08/22 19:34	1
Molybdenum	**48.9**		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Nickel	**141**		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Selenium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Silver	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Thallium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Vanadium	**219**		10.0		ug/L		04/07/22 08:18	04/08/22 19:34	1
Zinc	**1140**		20.0		ug/L		04/07/22 08:18	04/08/22 19:34	1

Client Sample ID: EB
Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Arsenic	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Barium	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Beryllium	ND		2.00		ug/L		04/07/22 08:18	04/08/22 19:37	1
Cadmium	ND		5.00		ug/L		04/07/22 08:18	04/08/22 19:37	1
Chromium	ND		5.00		ug/L		04/07/22 08:18	04/08/22 19:37	1
Cobalt	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Copper	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Lead	ND		5.00		ug/L		04/07/22 08:18	04/08/22 19:37	1
Molybdenum	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Nickel	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Selenium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Silver	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Thallium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Vanadium	ND		10.0		ug/L		04/07/22 08:18	04/08/22 19:37	1
Zinc	ND		20.0		ug/L		04/07/22 08:18	04/08/22 19:37	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: HP-01
Date Collected: 03/29/22 12:13
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-11
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		04/11/22 09:00	04/11/22 18:19	1

Client Sample ID: HP-3
Date Collected: 03/29/22 14:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-12
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		04/11/22 09:00	04/11/22 18:21	1

Client Sample ID: HP-02
Date Collected: 03/29/22 15:10
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-13
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		04/11/22 09:00	04/11/22 18:23	1

Client Sample ID: EB
Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		04/11/22 09:00	04/11/22 18:24	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SV-01-2
Date Collected: 03/29/22 08:46
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.117**		0.0806		mg/Kg		04/01/22 14:18	04/04/22 14:59	1

Client Sample ID: SV-02-2
Date Collected: 03/29/22 09:43
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		04/01/22 14:18	04/04/22 15:01	1

Client Sample ID: SV-03-2
Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		04/01/22 14:18	04/04/22 15:03	1

Client Sample ID: HP-01-2
Date Collected: 03/29/22 11:28
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		04/01/22 15:41	04/04/22 18:00	1

Client Sample ID: HP-01-10
Date Collected: 03/29/22 11:45
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0877		mg/Kg		04/01/22 15:41	04/04/22 18:02	1

Client Sample ID: HP-3-2
Date Collected: 03/29/22 13:44
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		04/01/22 15:41	04/04/22 18:07	1

Client Sample ID: HP-3-10
Date Collected: 03/29/22 14:01
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		04/01/22 15:41	04/04/22 18:09	1

Client Sample ID: HP-02-2
Date Collected: 03/29/22 14:38
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		04/01/22 15:41	04/04/22 18:11	1

Client Sample ID: HP-02-10
Date Collected: 03/29/22 14:54
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		04/01/22 15:41	04/04/22 18:13	1

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-142)	(80-120)	(80-123)	(80-120)
570-90510-1	SV-01-2	106	98	101	95
570-90510-2	SV-02-2	106	99	104	94
570-90510-3	SV-03-2	107	93	105	93
570-90510-3 - DL	SV-03-2	95	105	98	108
570-90510-4	HP-01-2	109	98	107	95
570-90510-5	HP-01-10	109	99	108	95
570-90510-6	HP-3-2	109	100	110	94
570-90510-7	HP-3-10	112	100	108	95
570-90510-8	HP-02-2	110	96	109	95
570-90510-9	HP-02-10	112	100	109	95
LCS 570-224279/3	Lab Control Sample	95	97	97	96
LCS 570-224377/3	Lab Control Sample	98	100	98	101
LCSD 570-224279/4	Lab Control Sample Dup	94	96	96	96
LCSD 570-224377/4	Lab Control Sample Dup	95	101	96	106
MB 570-224279/6	Method Blank	96	98	101	95
MB 570-224377/7	Method Blank	89	106	95	109

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-123)	(80-120)	(78-120)	(80-120)
570-90510-10	TB_032922	102	96	104	101
570-90510-11	HP-01	103	98	105	98
570-90510-11 - RA	HP-01	107	95	107	97
570-90510-12	HP-3	101	96	102	101
570-90510-13	HP-02	98	97	101	102
570-90510-14	EB	99	95	102	103
570-90510-14 - RA	EB	103	97	105	100
LCS 570-225192/5	Lab Control Sample	99	104	103	105
LCS 570-225385/8	Lab Control Sample	100	103	101	103
LCS 570-225500/4	Lab Control Sample	98	102	101	104
LCSD 570-225192/9	Lab Control Sample Dup	104	104	98	103
LCSD 570-225385/9	Lab Control Sample Dup	98	103	100	102
LCSD 570-225500/5	Lab Control Sample Dup	97	103	100	105
MB 570-225192/8	Method Blank	100	96	102	103
MB 570-225385/13	Method Blank	100	95	105	102
MB 570-225500/9	Method Blank	100	96	103	103

Surrogate Legend

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

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

Lab Sample ID: MB 570-224279/6
Matrix: Solid
Analysis Batch: 224279

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			04/04/22 21:37	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			04/04/22 21:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			04/04/22 21:37	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,1-Dichloroethane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,1-Dichloroethene	ND		1.0		ug/Kg			04/04/22 21:37	1
1,1-Dichloropropene	ND		2.0		ug/Kg			04/04/22 21:37	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			04/04/22 21:37	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			04/04/22 21:37	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			04/04/22 21:37	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			04/04/22 21:37	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			04/04/22 21:37	1
1,2-Dibromoethane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
1,2-Dichloroethane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,2-Dichloropropane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			04/04/22 21:37	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
1,3-Dichloropropane	ND		1.0		ug/Kg			04/04/22 21:37	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
2,2-Dichloropropane	ND		5.0		ug/Kg			04/04/22 21:37	1
2-Butanone	ND		20		ug/Kg			04/04/22 21:37	1
2-Chlorotoluene	ND		1.0		ug/Kg			04/04/22 21:37	1
2-Hexanone	ND		20		ug/Kg			04/04/22 21:37	1
4-Chlorotoluene	ND		1.0		ug/Kg			04/04/22 21:37	1
4-Methyl-2-pentanone	ND		20		ug/Kg			04/04/22 21:37	1
Acetone	ND		20		ug/Kg			04/04/22 21:37	1
Benzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Bromobenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Bromochloromethane	ND		2.0		ug/Kg			04/04/22 21:37	1
Bromodichloromethane	ND		1.0		ug/Kg			04/04/22 21:37	1
Bromoform	ND		5.0		ug/Kg			04/04/22 21:37	1
Bromomethane	ND		20		ug/Kg			04/04/22 21:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			04/04/22 21:37	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			04/04/22 21:37	1
Carbon disulfide	ND		10		ug/Kg			04/04/22 21:37	1
Carbon tetrachloride	ND		1.0		ug/Kg			04/04/22 21:37	1
Chlorobenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Chloroethane	ND		2.0		ug/Kg			04/04/22 21:37	1
Chloroform	ND		1.0		ug/Kg			04/04/22 21:37	1
Chloromethane	ND		20		ug/Kg			04/04/22 21:37	1
Dibromochloromethane	ND		2.0		ug/Kg			04/04/22 21:37	1
Dibromomethane	ND		1.0		ug/Kg			04/04/22 21:37	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			04/04/22 21:37	1
Ethylbenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Isopropylbenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Methylene Chloride	ND		10		ug/Kg			04/04/22 21:37	1

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

Lab Sample ID: MB 570-224279/6
Matrix: Solid
Analysis Batch: 224279

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			04/04/22 21:37	1
Naphthalene	ND		10		ug/Kg			04/04/22 21:37	1
n-Butylbenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
N-Propylbenzene	ND		2.0		ug/Kg			04/04/22 21:37	1
o-Xylene	ND		1.0		ug/Kg			04/04/22 21:37	1
m,p-Xylene	ND		2.0		ug/Kg			04/04/22 21:37	1
p-Isopropyltoluene	ND		1.0		ug/Kg			04/04/22 21:37	1
sec-Butylbenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Styrene	ND		1.0		ug/Kg			04/04/22 21:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			04/04/22 21:37	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			04/04/22 21:37	1
tert-Butylbenzene	ND		1.0		ug/Kg			04/04/22 21:37	1
Tetrachloroethene	ND		1.0		ug/Kg			04/04/22 21:37	1
Toluene	ND		1.0		ug/Kg			04/04/22 21:37	1
Trichloroethene	ND		2.0		ug/Kg			04/04/22 21:37	1
Trichlorofluoromethane	ND		10		ug/Kg			04/04/22 21:37	1
Vinyl acetate	ND		10		ug/Kg			04/04/22 21:37	1
Vinyl chloride	ND		1.0		ug/Kg			04/04/22 21:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 142*		*04/04/22 21:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/04/22 21:37*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*04/04/22 21:37*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/04/22 21:37*	*1*

Lab Sample ID: LCS 570-224279/3
Matrix: Solid
Analysis Batch: 224279

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	51.65		ug/Kg		103	80 - 123
1,1,1-Trichloroethane	50.0	45.60		ug/Kg		91	80 - 121
1,1,2,2-Tetrachloroethane	50.0	47.65		ug/Kg		95	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.27		ug/Kg		89	79 - 120
1,1,2-Trichloroethane	50.0	52.46		ug/Kg		105	80 - 121
1,1-Dichloroethane	50.0	48.11		ug/Kg		96	80 - 120
1,1-Dichloroethene	50.0	46.61		ug/Kg		93	70 - 120
1,1-Dichloropropene	50.0	48.99		ug/Kg		98	77 - 123
1,2,3-Trichlorobenzene	50.0	47.49		ug/Kg		95	80 - 128
1,2,3-Trichloropropane	50.0	46.69		ug/Kg		93	80 - 120
1,2,4-Trichlorobenzene	50.0	46.47		ug/Kg		93	80 - 127
1,2,4-Trimethylbenzene	50.0	45.85		ug/Kg		92	80 - 120
1,2-Dibromo-3-Chloropropane	50.0	41.71		ug/Kg		83	59 - 120
1,2-Dibromoethane	50.0	47.93		ug/Kg		96	80 - 120
1,2-Dichlorobenzene	50.0	46.88		ug/Kg		94	80 - 120
1,2-Dichloroethane	50.0	44.40		ug/Kg		89	80 - 120
1,2-Dichloropropane	50.0	53.48		ug/Kg		107	78 - 126
1,3,5-Trimethylbenzene	50.0	44.31		ug/Kg		89	80 - 120

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

Lab Sample ID: LCS 570-224279/3
Matrix: Solid
Analysis Batch: 224279

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	45.29		ug/Kg		91	80 - 120
1,3-Dichloropropane	50.0	51.14		ug/Kg		102	80 - 120
1,4-Dichlorobenzene	50.0	45.40		ug/Kg		91	80 - 120
2,2-Dichloropropane	50.0	49.68		ug/Kg		99	71 - 126
2-Butanone	50.0	46.26		ug/Kg		93	59 - 136
2-Chlorotoluene	50.0	44.19		ug/Kg		88	80 - 120
2-Hexanone	50.0	47.42		ug/Kg		95	45 - 137
4-Chlorotoluene	50.0	44.36		ug/Kg		89	80 - 120
4-Methyl-2-pentanone	50.0	47.77		ug/Kg		96	58 - 132
Acetone	50.0	44.69		ug/Kg		89	49 - 138
Benzene	50.0	48.70		ug/Kg		97	80 - 120
Bromobenzene	50.0	47.45		ug/Kg		95	80 - 120
Bromochloromethane	50.0	45.28		ug/Kg		91	80 - 122
Bromodichloromethane	50.0	48.54		ug/Kg		97	80 - 127
Bromoform	50.0	50.39		ug/Kg		101	73 - 125
Bromomethane	50.0	45.32		ug/Kg		91	53 - 180
cis-1,2-Dichloroethene	50.0	47.73		ug/Kg		95	80 - 121
cis-1,3-Dichloropropene	50.0	48.48		ug/Kg		97	80 - 122
Carbon disulfide	50.0	42.27		ug/Kg		85	76 - 120
Carbon tetrachloride	50.0	46.63		ug/Kg		93	80 - 125
Chlorobenzene	50.0	49.26		ug/Kg		99	80 - 120
Chloroethane	50.0	43.16		ug/Kg		86	74 - 132
Chloroform	50.0	46.69		ug/Kg		93	75 - 128
Chloromethane	50.0	44.60		ug/Kg		89	40 - 135
Dibromochloromethane	50.0	49.54		ug/Kg		99	80 - 123
Dibromomethane	50.0	44.78		ug/Kg		90	80 - 121
Dichlorodifluoromethane	50.0	48.43		ug/Kg		97	40 - 126
Ethylbenzene	50.0	45.67		ug/Kg		91	80 - 120
Isopropylbenzene	50.0	45.72		ug/Kg		91	80 - 120
Methylene Chloride	50.0	44.86		ug/Kg		90	76 - 121
Methyl-t-Butyl Ether (MTBE)	50.0	51.39		ug/Kg		103	73 - 137
Naphthalene	50.0	42.45		ug/Kg		85	73 - 122
n-Butylbenzene	50.0	43.15		ug/Kg		86	76 - 120
N-Propylbenzene	50.0	44.22		ug/Kg		88	80 - 120
o-Xylene	50.0	44.44		ug/Kg		89	80 - 120
m,p-Xylene	100	86.94		ug/Kg		87	80 - 120
p-Isopropyltoluene	50.0	43.84		ug/Kg		88	80 - 120
sec-Butylbenzene	50.0	45.73		ug/Kg		91	75 - 120
Styrene	50.0	46.33		ug/Kg		93	80 - 120
trans-1,2-Dichloroethene	50.0	45.05		ug/Kg		90	79 - 120
trans-1,3-Dichloropropene	50.0	51.46		ug/Kg		103	80 - 125
tert-Butylbenzene	50.0	45.33		ug/Kg		91	73 - 120
Tetrachloroethene	50.0	48.71		ug/Kg		97	69 - 124
Toluene	50.0	46.09		ug/Kg		92	80 - 120
Trichloroethene	50.0	50.23		ug/Kg		100	80 - 120
Trichlorofluoromethane	50.0	43.11		ug/Kg		86	52 - 161
Vinyl acetate	50.0	48.78		ug/Kg		98	71 - 133
Vinyl chloride	50.0	45.12		ug/Kg		90	77 - 138

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

Lab Sample ID: LCS 570-224279/3
Matrix: Solid
Analysis Batch: 224279

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 142
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	97		80 - 123
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: LCSD 570-224279/4
Matrix: Solid
Analysis Batch: 224279

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	53.06		ug/Kg		106	80 - 123	3	20
1,1,1-Trichloroethane			50.0	45.18		ug/Kg		90	80 - 121	1	20
1,1,2,2-Tetrachloroethane			50.0	49.41		ug/Kg		99	80 - 120	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	44.02		ug/Kg		88	79 - 120	1	20
1,1,2-Trichloroethane			50.0	54.83		ug/Kg		110	80 - 121	4	20
1,1-Dichloroethane			50.0	47.24		ug/Kg		94	80 - 120	2	20
1,1-Dichloroethene			50.0	45.74		ug/Kg		91	70 - 120	2	20
1,1-Dichloropropene			50.0	48.92		ug/Kg		98	77 - 123	0	20
1,2,3-Trichlorobenzene			50.0	48.74		ug/Kg		97	80 - 128	3	20
1,2,3-Trichloropropane			50.0	48.16		ug/Kg		96	80 - 120	3	20
1,2,4-Trichlorobenzene			50.0	46.80		ug/Kg		94	80 - 127	1	20
1,2,4-Trimethylbenzene			50.0	45.84		ug/Kg		92	80 - 120	0	20
1,2-Dibromo-3-Chloropropane			50.0	43.97		ug/Kg		88	59 - 120	5	20
1,2-Dibromoethane			50.0	49.41		ug/Kg		99	80 - 120	3	20
1,2-Dichlorobenzene			50.0	46.78		ug/Kg		94	80 - 120	0	20
1,2-Dichloroethane			50.0	44.44		ug/Kg		89	80 - 120	0	20
1,2-Dichloropropane			50.0	53.04		ug/Kg		106	78 - 126	1	20
1,3,5-Trimethylbenzene			50.0	44.70		ug/Kg		89	80 - 120	1	20
1,3-Dichlorobenzene			50.0	45.46		ug/Kg		91	80 - 120	0	20
1,3-Dichloropropane			50.0	52.77		ug/Kg		106	80 - 120	3	20
1,4-Dichlorobenzene			50.0	45.24		ug/Kg		90	80 - 120	0	20
2,2-Dichloropropane			50.0	49.25		ug/Kg		99	71 - 126	1	20
2-Butanone			50.0	51.24		ug/Kg		102	59 - 136	10	20
2-Chlorotoluene			50.0	44.85		ug/Kg		90	80 - 120	1	20
2-Hexanone			50.0	48.35		ug/Kg		97	45 - 137	2	20
4-Chlorotoluene			50.0	44.23		ug/Kg		88	80 - 120	0	20
4-Methyl-2-pentanone			50.0	50.64		ug/Kg		101	58 - 132	6	20
Acetone			50.0	44.38		ug/Kg		89	49 - 138	1	24
Benzene			50.0	49.03		ug/Kg		98	80 - 120	1	20
Bromobenzene			50.0	47.96		ug/Kg		96	80 - 120	1	20
Bromochloromethane			50.0	45.31		ug/Kg		91	80 - 122	0	20
Bromodichloromethane			50.0	48.91		ug/Kg		98	80 - 127	1	20
Bromoform			50.0	51.43		ug/Kg		103	73 - 125	2	20
Bromomethane			50.0	44.70		ug/Kg		89	53 - 180	1	20
cis-1,2-Dichloroethene			50.0	48.03		ug/Kg		96	80 - 121	1	20
cis-1,3-Dichloropropene			50.0	48.86		ug/Kg		98	80 - 122	1	20
Carbon disulfide			50.0	41.90		ug/Kg		84	76 - 120	1	20
Carbon tetrachloride			50.0	46.68		ug/Kg		93	80 - 125	0	20

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

Lab Sample ID: LCSD 570-224279/4
Matrix: Solid
Analysis Batch: 224279

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	49.74		ug/Kg		99	80 - 120	1	20
Chloroethane			50.0	41.29		ug/Kg		83	74 - 132	4	20
Chloroform			50.0	46.21		ug/Kg		92	75 - 128	1	20
Chloromethane			50.0	44.14		ug/Kg		88	40 - 135	1	20
Dibromochloromethane			50.0	50.11		ug/Kg		100	80 - 123	1	20
Dibromomethane			50.0	45.77		ug/Kg		92	80 - 121	2	20
Dichlorodifluoromethane			50.0	47.19		ug/Kg		94	40 - 126	3	20
Ethylbenzene			50.0	46.11		ug/Kg		92	80 - 120	1	20
Isopropylbenzene			50.0	45.85		ug/Kg		92	80 - 120	0	20
Methylene Chloride			50.0	44.42		ug/Kg		89	76 - 121	1	20
Methyl-t-Butyl Ether (MTBE)			50.0	51.70		ug/Kg		103	73 - 137	1	20
Naphthalene			50.0	44.07		ug/Kg		88	73 - 122	4	20
n-Butylbenzene			50.0	43.12		ug/Kg		86	76 - 120	0	20
N-Propylbenzene			50.0	45.26		ug/Kg		91	80 - 120	2	20
o-Xylene			50.0	44.69		ug/Kg		89	80 - 120	1	20
m,p-Xylene			100	87.86		ug/Kg		88	80 - 120	1	20
p-Isopropyltoluene			50.0	44.30		ug/Kg		89	80 - 120	1	20
sec-Butylbenzene			50.0	46.26		ug/Kg		93	75 - 120	1	20
Styrene			50.0	46.79		ug/Kg		94	80 - 120	1	20
trans-1,2-Dichloroethene			50.0	44.63		ug/Kg		89	79 - 120	1	20
trans-1,3-Dichloropropene			50.0	52.90		ug/Kg		106	80 - 125	3	20
tert-Butylbenzene			50.0	45.42		ug/Kg		91	73 - 120	0	20
Tetrachloroethene			50.0	49.01		ug/Kg		98	69 - 124	1	20
Toluene			50.0	46.58		ug/Kg		93	80 - 120	1	20
Trichloroethene			50.0	49.92		ug/Kg		100	80 - 120	1	20
Trichlorofluoromethane			50.0	42.47		ug/Kg		85	52 - 161	1	20
Vinyl acetate			50.0	49.97		ug/Kg		100	71 - 133	2	20
Vinyl chloride			50.0	43.59		ug/Kg		87	77 - 138	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 142*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 570-224377/7
Matrix: Solid
Analysis Batch: 224377

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		100		ug/Kg			04/05/22 11:06	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 142*		*04/05/22 11:06*	*50*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*04/05/22 11:06*	*50*
Dibromofluoromethane (Surr)	*95*		*80 - 123*		*04/05/22 11:06*	*50*
Toluene-d8 (Surr)	*109*		*80 - 120*		*04/05/22 11:06*	*50*

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

Lab Sample ID: LCS 570-224377/3
Matrix: Solid
Analysis Batch: 224377

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene			50.0	47.10		ug/Kg		94	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 142*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-224377/4
Matrix: Solid
Analysis Batch: 224377

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
Trichloroethene			50.0	46.65		ug/Kg		93	80 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 142*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 570-225192/8
Matrix: Water
Analysis Batch: 225192

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		2.0		ug/L			04/08/22 09:26	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/08/22 09:26	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/08/22 09:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/08/22 09:26	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/08/22 09:26	1
1,1-Dichloroethane	ND		1.0		ug/L			04/08/22 09:26	1
1,1-Dichloroethene	ND		1.0		ug/L			04/08/22 09:26	1
1,1-Dichloropropene	ND		1.0		ug/L			04/08/22 09:26	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/08/22 09:26	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/08/22 09:26	1
1,2-Dibromoethane	ND		1.0		ug/L			04/08/22 09:26	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,2-Dichloroethane	ND		0.50		ug/L			04/08/22 09:26	1
1,2-Dichloropropane	ND		1.0		ug/L			04/08/22 09:26	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
1,3-Dichloropropane	ND		1.0		ug/L			04/08/22 09:26	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
2,2-Dichloropropane	ND		1.0		ug/L			04/08/22 09:26	1

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

Lab Sample ID: MB 570-225192/8
Matrix: Water
Analysis Batch: 225192

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			04/08/22 09:26	1
2-Chlorotoluene	ND		1.0		ug/L			04/08/22 09:26	1
2-Hexanone	ND		10		ug/L			04/08/22 09:26	1
4-Chlorotoluene	ND		1.0		ug/L			04/08/22 09:26	1
4-Methyl-2-pentanone	ND		10		ug/L			04/08/22 09:26	1
Acetone	ND		20		ug/L			04/08/22 09:26	1
Benzene	ND		0.50		ug/L			04/08/22 09:26	1
Bromobenzene	ND		1.0		ug/L			04/08/22 09:26	1
Bromochloromethane	ND		2.0		ug/L			04/08/22 09:26	1
Bromodichloromethane	ND		1.0		ug/L			04/08/22 09:26	1
Bromoform	ND		5.0		ug/L			04/08/22 09:26	1
Bromomethane	ND		25		ug/L			04/08/22 09:26	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 09:26	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 09:26	1
Carbon disulfide	ND		10		ug/L			04/08/22 09:26	1
Carbon tetrachloride	ND		0.50		ug/L			04/08/22 09:26	1
Chlorobenzene	ND		1.0		ug/L			04/08/22 09:26	1
Chloroethane	ND		5.0		ug/L			04/08/22 09:26	1
Chloroform	ND		1.0		ug/L			04/08/22 09:26	1
Chloromethane	ND		10		ug/L			04/08/22 09:26	1
Dibromochloromethane	ND		2.0		ug/L			04/08/22 09:26	1
Dibromomethane	ND		1.0		ug/L			04/08/22 09:26	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/08/22 09:26	1
Ethylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
Isopropylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
Methylene Chloride	ND		10		ug/L			04/08/22 09:26	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/08/22 09:26	1
Naphthalene	ND		10		ug/L			04/08/22 09:26	1
n-Butylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
N-Propylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
o-Xylene	ND		1.0		ug/L			04/08/22 09:26	1
m,p-Xylene	ND		2.0		ug/L			04/08/22 09:26	1
p-Isopropyltoluene	ND		1.0		ug/L			04/08/22 09:26	1
sec-Butylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
Styrene	ND		1.0		ug/L			04/08/22 09:26	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 09:26	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 09:26	1
tert-Butylbenzene	ND		1.0		ug/L			04/08/22 09:26	1
Tetrachloroethene	ND		1.0		ug/L			04/08/22 09:26	1
Toluene	ND		1.0		ug/L			04/08/22 09:26	1
Trichlorofluoromethane	ND		10		ug/L			04/08/22 09:26	1
Vinyl acetate	ND		10		ug/L			04/08/22 09:26	1
Vinyl chloride	ND		0.50		ug/L			04/08/22 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 123*		*04/08/22 09:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/08/22 09:26*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 120*		*04/08/22 09:26*	*1*

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

Lab Sample ID: MB 570-225192/8
Matrix: Water
Analysis Batch: 225192

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		04/08/22 09:26	1

Lab Sample ID: LCS 570-225192/5
Matrix: Water
Analysis Batch: 225192

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	50.08		ug/L		100	80 - 128
1,1,1-Trichloroethane	50.0	49.47		ug/L		99	76 - 122
1,1,2,2-Tetrachloroethane	50.0	49.21		ug/L		98	79 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.10		ug/L		78	53 - 122
1,1,2-Trichloroethane	50.0	51.72		ug/L		103	80 - 120
1,1-Dichloroethane	50.0	49.00		ug/L		98	72 - 120
1,1-Dichloroethene	50.0	43.65		ug/L		87	64 - 121
1,1-Dichloropropene	50.0	45.25		ug/L		91	77 - 120
1,2,3-Trichlorobenzene	50.0	45.00		ug/L		90	78 - 136
1,2,3-Trichloropropane	50.0	45.50		ug/L		91	74 - 120
1,2,4-Trichlorobenzene	50.0	43.47		ug/L		87	73 - 138
1,2,4-Trimethylbenzene	50.0	47.47		ug/L		95	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	45.52		ug/L		91	74 - 120
1,2-Dibromoethane	50.0	49.01		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	47.71		ug/L		95	80 - 120
1,2-Dichloroethane	50.0	50.28		ug/L		101	76 - 120
1,2-Dichloropropane	50.0	49.97		ug/L		100	73 - 122
1,3,5-Trimethylbenzene	50.0	48.47		ug/L		97	80 - 122
1,3-Dichlorobenzene	50.0	47.59		ug/L		95	80 - 120
1,3-Dichloropropane	50.0	50.61		ug/L		101	80 - 120
1,4-Dichlorobenzene	50.0	46.35		ug/L		93	80 - 120
2,2-Dichloropropane	50.0	39.55		ug/L		79	60 - 150
2-Butanone	50.0	49.31		ug/L		99	65 - 128
2-Chlorotoluene	50.0	47.82		ug/L		96	79 - 120
2-Hexanone	50.0	53.18		ug/L		106	61 - 140
4-Chlorotoluene	50.0	47.03		ug/L		94	80 - 120
4-Methyl-2-pentanone	50.0	49.02		ug/L		98	68 - 133
Acetone	50.0	51.52		ug/L		103	50 - 134
Benzene	50.0	48.56		ug/L		97	76 - 120
Bromobenzene	50.0	50.50		ug/L		101	80 - 125
Bromochloromethane	50.0	52.11		ug/L		104	79 - 120
Bromodichloromethane	50.0	53.02		ug/L		106	80 - 123
Bromoform	50.0	53.62		ug/L		107	80 - 128
Bromomethane	50.0	40.46		ug/L		81	64 - 150
cis-1,2-Dichloroethene	50.0	54.86		ug/L		110	80 - 120
cis-1,3-Dichloropropene	50.0	47.94		ug/L		96	75 - 133
Carbon disulfide	50.0	41.30		ug/L		83	67 - 126
Carbon tetrachloride	50.0	44.74		ug/L		89	80 - 127
Chlorobenzene	50.0	49.16		ug/L		98	80 - 120
Chloroethane	50.0	45.97		ug/L		92	67 - 128
Chloroform	50.0	50.87		ug/L		102	80 - 120

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

Lab Sample ID: LCS 570-225192/5
Matrix: Water
Analysis Batch: 225192

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	50.0	59.51		ug/L		119	69 - 132
Dibromochloromethane	50.0	52.57		ug/L		105	79 - 130
Dibromomethane	50.0	55.13		ug/L		110	80 - 120
Dichlorodifluoromethane	50.0	48.87		ug/L		98	60 - 138
Ethylbenzene	50.0	48.47		ug/L		97	80 - 120
Isopropylbenzene	50.0	47.03		ug/L		94	80 - 123
Methylene Chloride	50.0	49.20		ug/L		98	62 - 133
Methyl-t-Butyl Ether (MTBE)	50.0	50.84		ug/L		102	64 - 120
Naphthalene	50.0	48.44		ug/L		97	80 - 120
n-Butylbenzene	50.0	41.86		ug/L		84	76 - 128
N-Propylbenzene	50.0	48.71		ug/L		97	80 - 122
o-Xylene	50.0	51.55		ug/L		103	80 - 121
m,p-Xylene	100	94.44		ug/L		94	74 - 122
p-Isopropyltoluene	50.0	45.10		ug/L		90	78 - 125
sec-Butylbenzene	50.0	44.30		ug/L		89	78 - 125
Styrene	50.0	49.93		ug/L		100	80 - 124
trans-1,2-Dichloroethene	50.0	49.65		ug/L		99	73 - 120
trans-1,3-Dichloropropene	50.0	47.05		ug/L		94	80 - 132
tert-Butylbenzene	50.0	47.38		ug/L		95	76 - 132
Tetrachloroethene	50.0	47.95		ug/L		96	72 - 135
Toluene	50.0	51.48		ug/L		103	76 - 120
Trichlorofluoromethane	50.0	49.30		ug/L		99	69 - 139
Vinyl acetate	50.0	51.74		ug/L		103	74 - 147
Vinyl chloride	50.0	41.27		ug/L		83	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 123*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*78 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 570-225192/9
Matrix: Water
Analysis Batch: 225192

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	51.22		ug/L		102	80 - 128	2	20
1,1,1-Trichloroethane	50.0	48.51		ug/L		97	76 - 122	2	20
1,1,2,2-Tetrachloroethane	50.0	50.19		ug/L		100	79 - 120	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.92		ug/L		80	53 - 122	2	20
1,1,2-Trichloroethane	50.0	52.39		ug/L		105	80 - 120	1	20
1,1-Dichloroethane	50.0	48.75		ug/L		97	72 - 120	1	20
1,1-Dichloroethene	50.0	42.71		ug/L		85	64 - 121	2	20
1,1-Dichloropropene	50.0	45.30		ug/L		91	77 - 120	0	20
1,2,3-Trichlorobenzene	50.0	44.47		ug/L		89	78 - 136	1	20
1,2,3-Trichloropropane	50.0	46.60		ug/L		93	74 - 120	2	20
1,2,4-Trichlorobenzene	50.0	43.00		ug/L		86	73 - 138	1	20
1,2,4-Trimethylbenzene	50.0	47.75		ug/L		96	80 - 121	1	20

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

Lab Sample ID: LCSD 570-225192/9
Matrix: Water
Analysis Batch: 225192

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
1,2-Dibromo-3-Chloropropane	50.0	46.28		ug/L		93	74 - 120	2	20
1,2-Dibromoethane	50.0	50.28		ug/L		101	80 - 120	3	20
1,2-Dichlorobenzene	50.0	48.72		ug/L		97	80 - 120	2	20
1,2-Dichloroethane	50.0	50.74		ug/L		101	76 - 120	1	20
1,2-Dichloropropane	50.0	49.27		ug/L		99	73 - 122	1	20
1,3,5-Trimethylbenzene	50.0	49.13		ug/L		98	80 - 122	1	20
1,3-Dichlorobenzene	50.0	47.40		ug/L		95	80 - 120	0	20
1,3-Dichloropropane	50.0	51.29		ug/L		103	80 - 120	1	20
1,4-Dichlorobenzene	50.0	46.54		ug/L		93	80 - 120	0	20
2,2-Dichloropropane	50.0	35.74		ug/L		71	60 - 150	10	20
2-Butanone	50.0	50.54		ug/L		101	65 - 128	2	20
2-Chlorotoluene	50.0	49.06		ug/L		98	79 - 120	3	20
2-Hexanone	50.0	53.79		ug/L		108	61 - 140	1	20
4-Chlorotoluene	50.0	48.16		ug/L		96	80 - 120	2	20
4-Methyl-2-pentanone	50.0	49.02		ug/L		98	68 - 133	0	20
Acetone	50.0	49.21		ug/L		98	50 - 134	5	25
Benzene	50.0	48.81		ug/L		98	76 - 120	1	20
Bromobenzene	50.0	51.40		ug/L		103	80 - 125	2	20
Bromochloromethane	50.0	52.49		ug/L		105	79 - 120	1	20
Bromodichloromethane	50.0	53.57		ug/L		107	80 - 123	1	20
Bromoform	50.0	53.03		ug/L		106	80 - 128	1	20
Bromomethane	50.0	46.10		ug/L		92	64 - 150	13	20
cis-1,2-Dichloroethene	50.0	52.91		ug/L		106	80 - 120	4	20
cis-1,3-Dichloropropene	50.0	46.87		ug/L		94	75 - 133	2	20
Carbon disulfide	50.0	40.94		ug/L		82	67 - 126	1	20
Carbon tetrachloride	50.0	44.44		ug/L		89	80 - 127	1	20
Chlorobenzene	50.0	50.16		ug/L		100	80 - 120	2	20
Chloroethane	50.0	46.91		ug/L		94	67 - 128	2	20
Chloroform	50.0	50.14		ug/L		100	80 - 120	1	20
Chloromethane	50.0	59.14		ug/L		118	69 - 132	1	20
Dibromochloromethane	50.0	52.81		ug/L		106	79 - 130	0	20
Dibromomethane	50.0	55.29		ug/L		111	80 - 120	0	20
Dichlorodifluoromethane	50.0	48.39		ug/L		97	60 - 138	1	21
Ethylbenzene	50.0	49.80		ug/L		100	80 - 120	3	20
Isopropylbenzene	50.0	48.33		ug/L		97	80 - 123	3	20
Methylene Chloride	50.0	48.48		ug/L		97	62 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	50.21		ug/L		100	64 - 120	1	20
Naphthalene	50.0	47.27		ug/L		95	80 - 120	2	20
n-Butylbenzene	50.0	41.55		ug/L		83	76 - 128	1	20
N-Propylbenzene	50.0	50.07		ug/L		100	80 - 122	3	20
o-Xylene	50.0	52.63		ug/L		105	80 - 121	2	20
m,p-Xylene	100	97.44		ug/L		97	74 - 122	3	20
p-Isopropyltoluene	50.0	44.79		ug/L		90	78 - 125	1	20
sec-Butylbenzene	50.0	44.85		ug/L		90	78 - 125	1	20
Styrene	50.0	50.39		ug/L		101	80 - 124	1	20
trans-1,2-Dichloroethene	50.0	48.24		ug/L		96	73 - 120	3	20
trans-1,3-Dichloropropene	50.0	46.84		ug/L		94	80 - 132	0	20
tert-Butylbenzene	50.0	48.57		ug/L		97	76 - 132	2	20
Tetrachloroethene	50.0	48.38		ug/L		97	72 - 135	1	20

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

Lab Sample ID: LCSD 570-225192/9
Matrix: Water
Analysis Batch: 225192

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
Toluene			50.0	51.18		ug/L		102	76 - 120	1	20
Trichlorofluoromethane			50.0	49.99		ug/L		100	69 - 139	1	20
Vinyl acetate			50.0	45.49		ug/L		91	74 - 147	13	20
Vinyl chloride			50.0	41.46		ug/L		83	70 - 124	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 123*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*78 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 570-225385/13
Matrix: Water
Analysis Batch: 225385

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		2.0		ug/L			04/08/22 22:04	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/08/22 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/08/22 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/08/22 22:04	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/08/22 22:04	1
1,1-Dichloroethane	ND		1.0		ug/L			04/08/22 22:04	1
1,1-Dichloroethene	ND		1.0		ug/L			04/08/22 22:04	1
1,1-Dichloropropene	ND		1.0		ug/L			04/08/22 22:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/08/22 22:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/08/22 22:04	1
1,2-Dibromoethane	ND		1.0		ug/L			04/08/22 22:04	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,2-Dichloroethane	ND		0.50		ug/L			04/08/22 22:04	1
1,2-Dichloropropane	ND		1.0		ug/L			04/08/22 22:04	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
1,3-Dichloropropane	ND		1.0		ug/L			04/08/22 22:04	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
2,2-Dichloropropane	ND		1.0		ug/L			04/08/22 22:04	1
2-Butanone	ND		20		ug/L			04/08/22 22:04	1
2-Chlorotoluene	ND		1.0		ug/L			04/08/22 22:04	1
2-Hexanone	ND		10		ug/L			04/08/22 22:04	1
4-Chlorotoluene	ND		1.0		ug/L			04/08/22 22:04	1
4-Methyl-2-pentanone	ND		10		ug/L			04/08/22 22:04	1
Acetone	ND		20		ug/L			04/08/22 22:04	1
Benzene	ND		0.50		ug/L			04/08/22 22:04	1
Bromobenzene	ND		1.0		ug/L			04/08/22 22:04	1
Bromochloromethane	ND		2.0		ug/L			04/08/22 22:04	1
Bromodichloromethane	ND		1.0		ug/L			04/08/22 22:04	1

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

Lab Sample ID: MB 570-225385/13
Matrix: Water
Analysis Batch: 225385

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0		ug/L			04/08/22 22:04	1
Bromomethane	ND		25		ug/L			04/08/22 22:04	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 22:04	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 22:04	1
Carbon disulfide	ND		10		ug/L			04/08/22 22:04	1
Carbon tetrachloride	ND		0.50		ug/L			04/08/22 22:04	1
Chlorobenzene	ND		1.0		ug/L			04/08/22 22:04	1
Chloroethane	ND		5.0		ug/L			04/08/22 22:04	1
Chloroform	ND		1.0		ug/L			04/08/22 22:04	1
Chloromethane	ND		10		ug/L			04/08/22 22:04	1
Dibromochloromethane	ND		2.0		ug/L			04/08/22 22:04	1
Dibromomethane	ND		1.0		ug/L			04/08/22 22:04	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/08/22 22:04	1
Ethylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
Isopropylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
Methylene Chloride	ND		10		ug/L			04/08/22 22:04	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/08/22 22:04	1
Naphthalene	ND		10		ug/L			04/08/22 22:04	1
n-Butylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
N-Propylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
o-Xylene	ND		1.0		ug/L			04/08/22 22:04	1
m,p-Xylene	ND		2.0		ug/L			04/08/22 22:04	1
p-Isopropyltoluene	ND		1.0		ug/L			04/08/22 22:04	1
sec-Butylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
Styrene	ND		1.0		ug/L			04/08/22 22:04	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/08/22 22:04	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/08/22 22:04	1
tert-Butylbenzene	ND		1.0		ug/L			04/08/22 22:04	1
Tetrachloroethene	ND		1.0		ug/L			04/08/22 22:04	1
Toluene	ND		1.0		ug/L			04/08/22 22:04	1
Trichloroethene	ND		1.0		ug/L			04/08/22 22:04	1
Trichlorofluoromethane	ND		10		ug/L			04/08/22 22:04	1
Vinyl acetate	ND		10		ug/L			04/08/22 22:04	1
Vinyl chloride	ND		0.50		ug/L			04/08/22 22:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 123*		*04/08/22 22:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*04/08/22 22:04*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 120*		*04/08/22 22:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/08/22 22:04*	*1*

Lab Sample ID: LCS 570-225385/8
Matrix: Water
Analysis Batch: 225385

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	51.96		ug/L		104	80 - 128		
1,1,1-Trichloroethane			50.0	55.66		ug/L		111	76 - 122		

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

Lab Sample ID: LCS 570-225385/8
Matrix: Water
Analysis Batch: 225385

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	50.0	50.30		ug/L		101	79 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.28		ug/L		109	53 - 122
1,1,2-Trichloroethane	50.0	52.73		ug/L		105	80 - 120
1,1-Dichloroethane	50.0	53.29		ug/L		107	72 - 120
1,1-Dichloroethene	50.0	51.41		ug/L		103	64 - 121
1,1-Dichloropropene	50.0	52.04		ug/L		104	77 - 120
1,2,3-Trichlorobenzene	50.0	48.48		ug/L		97	78 - 136
1,2,3-Trichloropropane	50.0	45.35		ug/L		91	74 - 120
1,2,4-Trichlorobenzene	50.0	47.58		ug/L		95	73 - 138
1,2,4-Trimethylbenzene	50.0	51.57		ug/L		103	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	44.10		ug/L		88	74 - 120
1,2-Dibromoethane	50.0	50.14		ug/L		100	80 - 120
1,2-Dichlorobenzene	50.0	50.15		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	51.33		ug/L		103	76 - 120
1,2-Dichloropropane	50.0	51.88		ug/L		104	73 - 122
1,3,5-Trimethylbenzene	50.0	52.12		ug/L		104	80 - 122
1,3-Dichlorobenzene	50.0	50.23		ug/L		100	80 - 120
1,3-Dichloropropane	50.0	51.56		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.0	47.86		ug/L		96	80 - 120
2,2-Dichloropropane	50.0	59.59		ug/L		119	60 - 150
2-Butanone	50.0	52.14		ug/L		104	65 - 128
2-Chlorotoluene	50.0	50.43		ug/L		101	79 - 120
2-Hexanone	50.0	54.38		ug/L		109	61 - 140
4-Chlorotoluene	50.0	50.51		ug/L		101	80 - 120
4-Methyl-2-pentanone	50.0	48.45		ug/L		97	68 - 133
Acetone	50.0	45.12		ug/L		90	50 - 134
Benzene	50.0	51.73		ug/L		103	76 - 120
Bromobenzene	50.0	50.98		ug/L		102	80 - 125
Bromochloromethane	50.0	53.57		ug/L		107	79 - 120
Bromodichloromethane	50.0	54.82		ug/L		110	80 - 123
Bromoform	50.0	54.15		ug/L		108	80 - 128
Bromomethane	50.0	43.67		ug/L		87	64 - 150
cis-1,2-Dichloroethene	50.0	57.38		ug/L		115	80 - 120
cis-1,3-Dichloropropene	50.0	52.20		ug/L		104	75 - 133
Carbon disulfide	50.0	48.57		ug/L		97	67 - 126
Carbon tetrachloride	50.0	53.00		ug/L		106	80 - 127
Chlorobenzene	50.0	50.53		ug/L		101	80 - 120
Chloroethane	50.0	51.53		ug/L		103	67 - 128
Chloroform	50.0	53.25		ug/L		106	80 - 120
Chloromethane	50.0	69.88	*+	ug/L		140	69 - 132
Dibromochloromethane	50.0	52.57		ug/L		105	79 - 130
Dibromomethane	50.0	56.37		ug/L		113	80 - 120
Dichlorodifluoromethane	50.0	67.69		ug/L		135	60 - 138
Ethylbenzene	50.0	51.71		ug/L		103	80 - 120
Isopropylbenzene	50.0	51.51		ug/L		103	80 - 123
Methylene Chloride	50.0	51.43		ug/L		103	62 - 133
Methyl-t-Butyl Ether (MTBE)	50.0	54.05		ug/L		108	64 - 120
Naphthalene	50.0	50.21		ug/L		100	80 - 120

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

Lab Sample ID: LCS 570-225385/8
Matrix: Water
Analysis Batch: 225385

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Butylbenzene	50.0	50.81		ug/L		102	76 - 128
N-Propylbenzene	50.0	53.95		ug/L		108	80 - 122
o-Xylene	50.0	53.98		ug/L		108	80 - 121
m,p-Xylene	100	100.9		ug/L		101	74 - 122
p-Isopropyltoluene	50.0	52.37		ug/L		105	78 - 125
sec-Butylbenzene	50.0	52.48		ug/L		105	78 - 125
Styrene	50.0	51.29		ug/L		103	80 - 124
trans-1,2-Dichloroethene	50.0	54.00		ug/L		108	73 - 120
trans-1,3-Dichloropropene	50.0	51.53		ug/L		103	80 - 132
tert-Butylbenzene	50.0	53.68		ug/L		107	76 - 132
Tetrachloroethene	50.0	53.36		ug/L		107	72 - 135
Toluene	50.0	54.17		ug/L		108	76 - 120
Trichloroethene	50.0	55.16		ug/L		110	80 - 122
Trichlorofluoromethane	50.0	56.64		ug/L		113	69 - 139
Vinyl acetate	50.0	61.98		ug/L		124	74 - 147
Vinyl chloride	50.0	47.79		ug/L		96	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 123*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*78 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-225385/9
Matrix: Water
Analysis Batch: 225385

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	53.99		ug/L		108	80 - 128	4	20
1,1,1-Trichloroethane	50.0	56.69		ug/L		113	76 - 122	2	20
1,1,2,2-Tetrachloroethane	50.0	51.60		ug/L		103	79 - 120	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.79		ug/L		110	53 - 122	1	20
1,1,2-Trichloroethane	50.0	52.87		ug/L		106	80 - 120	0	20
1,1-Dichloroethane	50.0	52.96		ug/L		106	72 - 120	1	20
1,1-Dichloroethene	50.0	52.68		ug/L		105	64 - 121	2	20
1,1-Dichloropropene	50.0	53.16		ug/L		106	77 - 120	2	20
1,2,3-Trichlorobenzene	50.0	49.41		ug/L		99	78 - 136	2	20
1,2,3-Trichloropropane	50.0	47.34		ug/L		95	74 - 120	4	20
1,2,4-Trichlorobenzene	50.0	47.47		ug/L		95	73 - 138	0	20
1,2,4-Trimethylbenzene	50.0	53.87		ug/L		108	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	46.43		ug/L		93	74 - 120	5	20
1,2-Dibromoethane	50.0	52.41		ug/L		105	80 - 120	4	20
1,2-Dichlorobenzene	50.0	51.04		ug/L		102	80 - 120	2	20
1,2-Dichloroethane	50.0	52.54		ug/L		105	76 - 120	2	20
1,2-Dichloropropane	50.0	53.76		ug/L		108	73 - 122	4	20
1,3,5-Trimethylbenzene	50.0	54.05		ug/L		108	80 - 122	4	20
1,3-Dichlorobenzene	50.0	51.29		ug/L		103	80 - 120	2	20
1,3-Dichloropropane	50.0	52.75		ug/L		106	80 - 120	2	20

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

Lab Sample ID: LCSD 570-225385/9
Matrix: Water
Analysis Batch: 225385

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
1,4-Dichlorobenzene	50.0	49.09		ug/L		98	80 - 120	3	20
2,2-Dichloropropane	50.0	58.93		ug/L		118	60 - 150	1	20
2-Butanone	50.0	49.18		ug/L		98	65 - 128	6	20
2-Chlorotoluene	50.0	52.42		ug/L		105	79 - 120	4	20
2-Hexanone	50.0	54.29		ug/L		109	61 - 140	0	20
4-Chlorotoluene	50.0	52.39		ug/L		105	80 - 120	4	20
4-Methyl-2-pentanone	50.0	49.76		ug/L		100	68 - 133	3	20
Acetone	50.0	45.02		ug/L		90	50 - 134	0	25
Benzene	50.0	52.81		ug/L		106	76 - 120	2	20
Bromobenzene	50.0	53.21		ug/L		106	80 - 125	4	20
Bromochloromethane	50.0	53.61		ug/L		107	79 - 120	0	20
Bromodichloromethane	50.0	55.63		ug/L		111	80 - 123	1	20
Bromoform	50.0	54.62		ug/L		109	80 - 128	1	20
Bromomethane	50.0	50.61		ug/L		101	64 - 150	15	20
cis-1,2-Dichloroethene	50.0	57.82		ug/L		116	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	53.67		ug/L		107	75 - 133	3	20
Carbon disulfide	50.0	49.30		ug/L		99	67 - 126	1	20
Carbon tetrachloride	50.0	53.16		ug/L		106	80 - 127	0	20
Chlorobenzene	50.0	52.87		ug/L		106	80 - 120	5	20
Chloroethane	50.0	51.71		ug/L		103	67 - 128	0	20
Chloroform	50.0	53.89		ug/L		108	80 - 120	1	20
Chloromethane	50.0	67.13	*+	ug/L		134	69 - 132	4	20
Dibromochloromethane	50.0	54.14		ug/L		108	79 - 130	3	20
Dibromomethane	50.0	56.37		ug/L		113	80 - 120	0	20
Dichlorodifluoromethane	50.0	68.63		ug/L		137	60 - 138	1	21
Ethylbenzene	50.0	53.69		ug/L		107	80 - 120	4	20
Isopropylbenzene	50.0	53.75		ug/L		108	80 - 123	4	20
Methylene Chloride	50.0	51.79		ug/L		104	62 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	53.96		ug/L		108	64 - 120	0	20
Naphthalene	50.0	51.19		ug/L		102	80 - 120	2	20
n-Butylbenzene	50.0	52.74		ug/L		105	76 - 128	4	20
N-Propylbenzene	50.0	55.87		ug/L		112	80 - 122	3	20
o-Xylene	50.0	55.45		ug/L		111	80 - 121	3	20
m,p-Xylene	100	103.7		ug/L		104	74 - 122	3	20
p-Isopropyltoluene	50.0	53.93		ug/L		108	78 - 125	3	20
sec-Butylbenzene	50.0	54.30		ug/L		109	78 - 125	3	20
Styrene	50.0	53.01		ug/L		106	80 - 124	3	20
trans-1,2-Dichloroethene	50.0	55.40		ug/L		111	73 - 120	3	20
trans-1,3-Dichloropropene	50.0	51.89		ug/L		104	80 - 132	1	20
tert-Butylbenzene	50.0	56.54		ug/L		113	76 - 132	5	20
Tetrachloroethene	50.0	55.77		ug/L		112	72 - 135	4	20
Toluene	50.0	55.31		ug/L		111	76 - 120	2	20
Trichloroethene	50.0	56.55		ug/L		113	80 - 122	2	20
Trichlorofluoromethane	50.0	57.57		ug/L		115	69 - 139	2	20
Vinyl acetate	50.0	48.63	*1	ug/L		97	74 - 147	24	20
Vinyl chloride	50.0	48.01		ug/L		96	70 - 124	0	20

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

Lab Sample ID: LCSD 570-225385/9
Matrix: Water
Analysis Batch: 225385

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 123*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*78 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 570-225500/9
Matrix: Water
Analysis Batch: 225500

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		2.0		ug/L			04/09/22 12:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/09/22 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/09/22 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/09/22 12:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/09/22 12:15	1
1,1-Dichloroethane	ND		1.0		ug/L			04/09/22 12:15	1
1,1-Dichloroethene	ND		1.0		ug/L			04/09/22 12:15	1
1,1-Dichloropropene	ND		1.0		ug/L			04/09/22 12:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/09/22 12:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/09/22 12:15	1
1,2-Dibromoethane	ND		1.0		ug/L			04/09/22 12:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,2-Dichloroethane	ND		0.50		ug/L			04/09/22 12:15	1
1,2-Dichloropropane	ND		1.0		ug/L			04/09/22 12:15	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
1,3-Dichloropropane	ND		1.0		ug/L			04/09/22 12:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
2,2-Dichloropropane	ND		1.0		ug/L			04/09/22 12:15	1
2-Butanone	ND		20		ug/L			04/09/22 12:15	1
2-Chlorotoluene	ND		1.0		ug/L			04/09/22 12:15	1
2-Hexanone	ND		10		ug/L			04/09/22 12:15	1
4-Chlorotoluene	ND		1.0		ug/L			04/09/22 12:15	1
4-Methyl-2-pentanone	ND		10		ug/L			04/09/22 12:15	1
Acetone	ND		20		ug/L			04/09/22 12:15	1
Benzene	ND		0.50		ug/L			04/09/22 12:15	1
Bromobenzene	ND		1.0		ug/L			04/09/22 12:15	1
Bromochloromethane	ND		2.0		ug/L			04/09/22 12:15	1
Bromodichloromethane	ND		1.0		ug/L			04/09/22 12:15	1
Bromoform	ND		5.0		ug/L			04/09/22 12:15	1
Bromomethane	ND		25		ug/L			04/09/22 12:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 12:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 12:15	1
Carbon disulfide	ND		10		ug/L			04/09/22 12:15	1
Carbon tetrachloride	ND		0.50		ug/L			04/09/22 12:15	1

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

Lab Sample ID: MB 570-225500/9
Matrix: Water
Analysis Batch: 225500

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0		ug/L			04/09/22 12:15	1
Chloroethane	ND		5.0		ug/L			04/09/22 12:15	1
Chloroform	ND		1.0		ug/L			04/09/22 12:15	1
Chloromethane	ND		10		ug/L			04/09/22 12:15	1
Dibromochloromethane	ND		2.0		ug/L			04/09/22 12:15	1
Dibromomethane	ND		1.0		ug/L			04/09/22 12:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/09/22 12:15	1
Ethylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
Isopropylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
Methylene Chloride	ND		10		ug/L			04/09/22 12:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/09/22 12:15	1
Naphthalene	ND		10		ug/L			04/09/22 12:15	1
n-Butylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
N-Propylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
o-Xylene	ND		1.0		ug/L			04/09/22 12:15	1
m,p-Xylene	ND		2.0		ug/L			04/09/22 12:15	1
p-Isopropyltoluene	ND		1.0		ug/L			04/09/22 12:15	1
sec-Butylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
Styrene	ND		1.0		ug/L			04/09/22 12:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/09/22 12:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/09/22 12:15	1
tert-Butylbenzene	ND		1.0		ug/L			04/09/22 12:15	1
Tetrachloroethene	ND		1.0		ug/L			04/09/22 12:15	1
Toluene	ND		1.0		ug/L			04/09/22 12:15	1
Trichloroethene	ND		1.0		ug/L			04/09/22 12:15	1
Trichlorofluoromethane	ND		10		ug/L			04/09/22 12:15	1
Vinyl acetate	ND		10		ug/L			04/09/22 12:15	1
Vinyl chloride	ND		0.50		ug/L			04/09/22 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 123*		*04/09/22 12:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/09/22 12:15*	*1*
Dibromofluoromethane (Surr)	*103*		*78 - 120*		*04/09/22 12:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/09/22 12:15*	*1*

Lab Sample ID: LCS 570-225500/4
Matrix: Water
Analysis Batch: 225500

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	50.56		ug/L		101	80 - 128		
1,1,1-Trichloroethane			50.0	52.76		ug/L		106	76 - 122		
1,1,2,2-Tetrachloroethane			50.0	50.60		ug/L		101	79 - 120		
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	48.17		ug/L		96	53 - 122		
1,1,2-Trichloroethane			50.0	51.99		ug/L		104	80 - 120		
1,1-Dichloroethane			50.0	50.63		ug/L		101	72 - 120		
1,1-Dichloroethene			50.0	48.22		ug/L		96	64 - 121		
1,1-Dichloropropene			50.0	49.47		ug/L		99	77 - 120		

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

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

Lab Sample ID: LCS 570-225500/4
Matrix: Water
Analysis Batch: 225500

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	47.49		ug/L		95	78 - 136
1,2,3-Trichloropropane	50.0	46.31		ug/L		93	74 - 120
1,2,4-Trichlorobenzene	50.0	46.97		ug/L		94	73 - 138
1,2,4-Trimethylbenzene	50.0	51.38		ug/L		103	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	45.89		ug/L		92	74 - 120
1,2-Dibromoethane	50.0	49.88		ug/L		100	80 - 120
1,2-Dichlorobenzene	50.0	50.20		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	50.45		ug/L		101	76 - 120
1,2-Dichloropropane	50.0	50.84		ug/L		102	73 - 122
1,3,5-Trimethylbenzene	50.0	51.11		ug/L		102	80 - 122
1,3-Dichlorobenzene	50.0	49.64		ug/L		99	80 - 120
1,3-Dichloropropane	50.0	51.30		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.0	48.20		ug/L		96	80 - 120
2,2-Dichloropropane	50.0	55.14		ug/L		110	60 - 150
2-Butanone	50.0	49.71		ug/L		99	65 - 128
2-Chlorotoluene	50.0	49.44		ug/L		99	79 - 120
2-Hexanone	50.0	53.21		ug/L		106	61 - 140
4-Chlorotoluene	50.0	50.18		ug/L		100	80 - 120
4-Methyl-2-pentanone	50.0	49.38		ug/L		99	68 - 133
Acetone	50.0	50.56		ug/L		101	50 - 134
Benzene	50.0	50.57		ug/L		101	76 - 120
Bromobenzene	50.0	50.59		ug/L		101	80 - 125
Bromochloromethane	50.0	53.24		ug/L		106	79 - 120
Bromodichloromethane	50.0	53.97		ug/L		108	80 - 123
Bromoform	50.0	54.44		ug/L		109	80 - 128
Bromomethane	50.0	43.14		ug/L		86	64 - 150
cis-1,2-Dichloroethene	50.0	54.04		ug/L		108	80 - 120
cis-1,3-Dichloropropene	50.0	51.08		ug/L		102	75 - 133
Carbon disulfide	50.0	45.63		ug/L		91	67 - 126
Carbon tetrachloride	50.0	49.34		ug/L		99	80 - 127
Chlorobenzene	50.0	50.16		ug/L		100	80 - 120
Chloroethane	50.0	47.90		ug/L		96	67 - 128
Chloroform	50.0	52.05		ug/L		104	80 - 120
Chloromethane	50.0	65.52		ug/L		131	69 - 132
Dibromochloromethane	50.0	52.55		ug/L		105	79 - 130
Dibromomethane	50.0	55.78		ug/L		112	80 - 120
Dichlorodifluoromethane	50.0	54.85		ug/L		110	60 - 138
Ethylbenzene	50.0	50.53		ug/L		101	80 - 120
Isopropylbenzene	50.0	50.27		ug/L		101	80 - 123
Methylene Chloride	50.0	49.53		ug/L		99	62 - 133
Methyl-t-Butyl Ether (MTBE)	50.0	52.28		ug/L		105	64 - 120
Naphthalene	50.0	49.70		ug/L		99	80 - 120
n-Butylbenzene	50.0	48.78		ug/L		98	76 - 128
N-Propylbenzene	50.0	52.73		ug/L		105	80 - 122
o-Xylene	50.0	52.26		ug/L		105	80 - 121
m,p-Xylene	100	99.26		ug/L		99	74 - 122
p-Isopropyltoluene	50.0	51.29		ug/L		103	78 - 125
sec-Butylbenzene	50.0	51.17		ug/L		102	78 - 125
Styrene	50.0	50.49		ug/L		101	80 - 124

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

Lab Sample ID: LCS 570-225500/4
Matrix: Water
Analysis Batch: 225500

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	50.0	51.06		ug/L		102	73 - 120
trans-1,3-Dichloropropene	50.0	51.09		ug/L		102	80 - 132
tert-Butylbenzene	50.0	53.19		ug/L		106	76 - 132
Tetrachloroethene	50.0	52.05		ug/L		104	72 - 135
Toluene	50.0	53.32		ug/L		107	76 - 120
Trichloroethene	50.0	55.29		ug/L		111	80 - 122
Trichlorofluoromethane	50.0	50.18		ug/L		100	69 - 139
Vinyl acetate	50.0	44.82		ug/L		90	74 - 147
Vinyl chloride	50.0	43.12		ug/L		86	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 123*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*78 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 570-225500/5
Matrix: Water
Analysis Batch: 225500

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	52.53		ug/L		105	80 - 128	4	20
1,1,1-Trichloroethane	50.0	54.78		ug/L		110	76 - 122	4	20
1,1,2,2-Tetrachloroethane	50.0	51.77		ug/L		104	79 - 120	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.74		ug/L		101	53 - 122	5	20
1,1,2-Trichloroethane	50.0	52.61		ug/L		105	80 - 120	1	20
1,1-Dichloroethane	50.0	53.05		ug/L		106	72 - 120	5	20
1,1-Dichloroethene	50.0	50.92		ug/L		102	64 - 121	5	20
1,1-Dichloropropene	50.0	51.22		ug/L		102	77 - 120	3	20
1,2,3-Trichlorobenzene	50.0	48.88		ug/L		98	78 - 136	3	20
1,2,3-Trichloropropane	50.0	47.98		ug/L		96	74 - 120	4	20
1,2,4-Trichlorobenzene	50.0	47.05		ug/L		94	73 - 138	0	20
1,2,4-Trimethylbenzene	50.0	52.91		ug/L		106	80 - 121	3	20
1,2-Dibromo-3-Chloropropane	50.0	46.89		ug/L		94	74 - 120	2	20
1,2-Dibromoethane	50.0	50.53		ug/L		101	80 - 120	1	20
1,2-Dichlorobenzene	50.0	51.92		ug/L		104	80 - 120	3	20
1,2-Dichloroethane	50.0	53.08		ug/L		106	76 - 120	5	20
1,2-Dichloropropane	50.0	54.09		ug/L		108	73 - 122	6	20
1,3,5-Trimethylbenzene	50.0	53.28		ug/L		107	80 - 122	4	20
1,3-Dichlorobenzene	50.0	50.95		ug/L		102	80 - 120	3	20
1,3-Dichloropropane	50.0	52.37		ug/L		105	80 - 120	2	20
1,4-Dichlorobenzene	50.0	49.00		ug/L		98	80 - 120	2	20
2,2-Dichloropropane	50.0	56.34		ug/L		113	60 - 150	2	20
2-Butanone	50.0	52.64		ug/L		105	65 - 128	6	20
2-Chlorotoluene	50.0	52.17		ug/L		104	79 - 120	5	20
2-Hexanone	50.0	54.39		ug/L		109	61 - 140	2	20
4-Chlorotoluene	50.0	51.19		ug/L		102	80 - 120	2	20
4-Methyl-2-pentanone	50.0	52.09		ug/L		104	68 - 133	5	20

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

Lab Sample ID: LCSD 570-225500/5
Matrix: Water
Analysis Batch: 225500

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
Acetone			50.0	50.94		ug/L		102	50 - 134	1	25
Benzene			50.0	53.44		ug/L		107	76 - 120	6	20
Bromobenzene			50.0	52.48		ug/L		105	80 - 125	4	20
Bromochloromethane			50.0	55.15		ug/L		110	79 - 120	4	20
Bromodichloromethane			50.0	57.04		ug/L		114	80 - 123	6	20
Bromoform			50.0	55.15		ug/L		110	80 - 128	1	20
Bromomethane			50.0	45.61		ug/L		91	64 - 150	6	20
cis-1,2-Dichloroethene			50.0	56.54		ug/L		113	80 - 120	5	20
cis-1,3-Dichloropropene			50.0	54.26		ug/L		109	75 - 133	6	20
Carbon disulfide			50.0	48.05		ug/L		96	67 - 126	5	20
Carbon tetrachloride			50.0	51.80		ug/L		104	80 - 127	5	20
Chlorobenzene			50.0	52.22		ug/L		104	80 - 120	4	20
Chloroethane			50.0	50.62		ug/L		101	67 - 128	6	20
Chloroform			50.0	53.34		ug/L		107	80 - 120	2	20
Chloromethane			50.0	66.24		ug/L		132	69 - 132	1	20
Dibromochloromethane			50.0	54.48		ug/L		109	79 - 130	4	20
Dibromomethane			50.0	57.73		ug/L		115	80 - 120	3	20
Dichlorodifluoromethane			50.0	57.50		ug/L		115	60 - 138	5	21
Ethylbenzene			50.0	53.39		ug/L		107	80 - 120	6	20
Isopropylbenzene			50.0	53.10		ug/L		106	80 - 123	5	20
Methylene Chloride			50.0	51.38		ug/L		103	62 - 133	4	20
Methyl-t-Butyl Ether (MTBE)			50.0	53.27		ug/L		107	64 - 120	2	20
Naphthalene			50.0	50.34		ug/L		101	80 - 120	1	20
n-Butylbenzene			50.0	51.12		ug/L		102	76 - 128	5	20
N-Propylbenzene			50.0	55.30		ug/L		111	80 - 122	5	20
o-Xylene			50.0	55.18		ug/L		110	80 - 121	5	20
m,p-Xylene			100	102.1		ug/L		102	74 - 122	3	20
p-Isopropyltoluene			50.0	52.01		ug/L		104	78 - 125	1	20
sec-Butylbenzene			50.0	53.14		ug/L		106	78 - 125	4	20
Styrene			50.0	53.12		ug/L		106	80 - 124	5	20
trans-1,2-Dichloroethene			50.0	53.36		ug/L		107	73 - 120	4	20
trans-1,3-Dichloropropene			50.0	53.14		ug/L		106	80 - 132	4	20
tert-Butylbenzene			50.0	55.10		ug/L		110	76 - 132	4	20
Tetrachloroethene			50.0	54.50		ug/L		109	72 - 135	5	20
Toluene			50.0	56.47		ug/L		113	76 - 120	6	20
Trichloroethene			50.0	56.66		ug/L		113	80 - 122	2	20
Trichlorofluoromethane			50.0	53.48		ug/L		107	69 - 139	6	20
Vinyl acetate			50.0	46.13		ug/L		92	74 - 147	3	20
Vinyl chloride			50.0	46.15		ug/L		92	70 - 124	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 123*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*78 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-670456/1-A ^5
Matrix: Solid
Analysis Batch: 670572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670456

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Arsenic	ND		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Barium	ND		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Beryllium	ND		0.500		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Cadmium	ND		0.500		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Chromium	ND		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Cobalt	ND		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Copper	ND		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Lead	ND		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Molybdenum	ND		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Nickel	ND		2.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Selenium	ND		3.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Silver	ND		1.50		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Thallium	ND		10.0		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Vanadium	ND		1.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5
Zinc	ND		5.00		mg/Kg		04/05/22 10:00	04/06/22 14:33	5

Lab Sample ID: LCS 440-670456/2-A ^5
Matrix: Solid
Analysis Batch: 670572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670456

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			50.0	45.41		mg/Kg		91	80 - 120		
Arsenic			50.0	44.59		mg/Kg		89	80 - 120		
Barium			50.0	44.26		mg/Kg		89	80 - 120		
Beryllium			50.0	44.79		mg/Kg		90	80 - 120		
Cadmium			50.0	43.80		mg/Kg		88	80 - 120		
Chromium			50.0	45.36		mg/Kg		91	80 - 120		
Cobalt			50.0	45.59		mg/Kg		91	80 - 120		
Copper			50.0	45.08		mg/Kg		90	80 - 120		
Lead			50.0	45.93		mg/Kg		92	80 - 120		
Molybdenum			50.0	46.04		mg/Kg		92	80 - 120		
Nickel			50.0	45.23		mg/Kg		90	80 - 120		
Selenium			50.0	43.58		mg/Kg		87	80 - 120		
Silver			25.0	22.28		mg/Kg		89	80 - 120		
Thallium			50.0	45.10		mg/Kg		90	80 - 120		
Vanadium			50.0	43.73		mg/Kg		87	80 - 120		
Zinc			50.0	42.61		mg/Kg		85	80 - 120		

Lab Sample ID: 570-90510-1 MS
Matrix: Solid
Analysis Batch: 670572

Client Sample ID: SV-01-2
Prep Type: Total/NA
Prep Batch: 670456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	ND	F1	50.0	15.71	F1	mg/Kg		31	75 - 125		
Arsenic	9.06		50.0	54.88		mg/Kg		92	75 - 125		
Barium	156	F1	50.0	201.0		mg/Kg		90	75 - 125		
Beryllium	ND		50.0	48.75		mg/Kg		97	75 - 125		
Cadmium	0.955		50.0	46.36		mg/Kg		91	75 - 125		

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

Lab Sample ID: 570-90510-1 MS
Matrix: Solid
Analysis Batch: 670572

Client Sample ID: SV-01-2
Prep Type: Total/NA
Prep Batch: 670456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	30.2		50.0	89.13		mg/Kg		118	75 - 125
Cobalt	7.55		50.0	54.94		mg/Kg		95	75 - 125
Copper	48.0		50.0	97.06		mg/Kg		98	75 - 125
Lead	161	F1	50.0	188.5	F1	mg/Kg		55	75 - 125
Molybdenum	2.24		50.0	48.50		mg/Kg		93	75 - 125
Nickel	19.1		50.0	66.89		mg/Kg		96	75 - 125
Selenium	ND		50.0	45.36		mg/Kg		91	75 - 125
Silver	ND		25.0	24.00		mg/Kg		96	75 - 125
Thallium	ND		50.0	45.21		mg/Kg		90	75 - 125
Vanadium	39.1		50.0	90.20		mg/Kg		102	75 - 125
Zinc	218		50.0	254.8	4	mg/Kg		73	75 - 125

Lab Sample ID: 570-90510-1 MSD
Matrix: Solid
Analysis Batch: 670572

Client Sample ID: SV-01-2
Prep Type: Total/NA
Prep Batch: 670456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	50.5	16.72	F1	mg/Kg		33	75 - 125	6	20
Arsenic	9.06		50.5	55.04		mg/Kg		91	75 - 125	0	20
Barium	156	F1	50.5	174.5	F1	mg/Kg		37	75 - 125	14	20
Beryllium	ND		50.5	48.13		mg/Kg		94	75 - 125	1	20
Cadmium	0.955		50.5	45.88		mg/Kg		89	75 - 125	1	20
Chromium	30.2		50.5	82.70		mg/Kg		104	75 - 125	7	20
Cobalt	7.55		50.5	52.97		mg/Kg		90	75 - 125	4	20
Copper	48.0		50.5	93.06		mg/Kg		89	75 - 125	4	20
Lead	161	F1	50.5	170.8	F1	mg/Kg		20	75 - 125	10	20
Molybdenum	2.24		50.5	48.84		mg/Kg		92	75 - 125	1	20
Nickel	19.1		50.5	64.43		mg/Kg		90	75 - 125	4	20
Selenium	ND		50.5	44.81		mg/Kg		89	75 - 125	1	20
Silver	ND		25.3	23.72		mg/Kg		94	75 - 125	1	20
Thallium	ND		50.5	43.93		mg/Kg		87	75 - 125	3	20
Vanadium	39.1		50.5	85.52		mg/Kg		92	75 - 125	5	20
Zinc	218		50.5	233.2	4	mg/Kg		30	75 - 125	9	20

Lab Sample ID: MB 440-670596/1-A
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Arsenic	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Barium	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Beryllium	ND		2.00		ug/L		04/07/22 08:18	04/08/22 16:06	1
Cadmium	ND		5.00		ug/L		04/07/22 08:18	04/08/22 16:06	1
Chromium	ND		5.00		ug/L		04/07/22 08:18	04/08/22 16:06	1
Cobalt	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Copper	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Lead	ND		5.00		ug/L		04/07/22 08:18	04/08/22 16:06	1
Molybdenum	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1

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

Lab Sample ID: MB 440-670596/1-A
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Selenium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Silver	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Thallium	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Vanadium	ND		10.0		ug/L		04/07/22 08:18	04/08/22 16:06	1
Zinc	ND		20.0		ug/L		04/07/22 08:18	04/08/22 16:06	1

Lab Sample ID: LCS 440-670596/2-A
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			1000	934.9		ug/L		93	80 - 120		
Arsenic			1000	878.0		ug/L		88	80 - 120		
Barium			1000	875.4		ug/L		88	80 - 120		
Beryllium			1000	885.9		ug/L		89	80 - 120		
Cadmium			1000	870.1		ug/L		87	80 - 120		
Chromium			1000	864.2		ug/L		86	80 - 120		
Cobalt			1000	878.6		ug/L		88	80 - 120		
Copper			1000	900.3		ug/L		90	80 - 120		
Lead			1000	873.1		ug/L		87	80 - 120		
Molybdenum			1000	868.6		ug/L		87	80 - 120		
Nickel			1000	880.1		ug/L		88	80 - 120		
Selenium			1000	837.7		ug/L		84	80 - 120		
Silver			500	444.2		ug/L		89	80 - 120		
Thallium			1000	868.7		ug/L		87	80 - 120		
Vanadium			1000	874.9		ug/L		87	80 - 120		
Zinc			1000	873.2		ug/L		87	80 - 120		

Lab Sample ID: 570-90649-I-1-E MS
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	ND		1000	1117		ug/L		112	75 - 125		
Arsenic	ND		1000	1070		ug/L		106	75 - 125		
Barium	49.3		1000	1061		ug/L		101	75 - 125		
Beryllium	ND		1000	1043		ug/L		104	75 - 125		
Cadmium	ND		1000	978.3		ug/L		98	75 - 125		
Chromium	13.2		1000	1022		ug/L		101	75 - 125		
Cobalt	ND		1000	1005		ug/L		101	75 - 125		
Copper	ND		1000	1103		ug/L		110	75 - 125		
Lead	ND		1000	989.9		ug/L		99	75 - 125		
Molybdenum	ND		1000	1045		ug/L		105	75 - 125		
Nickel	ND		1000	990.1		ug/L		99	75 - 125		
Selenium	ND		1000	986.0		ug/L		99	75 - 125		
Silver	ND		500	533.5		ug/L		107	75 - 125		
Thallium	ND		1000	970.7		ug/L		97	75 - 125		
Vanadium	ND		1000	1052		ug/L		105	75 - 125		

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

Lab Sample ID: 570-90649-I-1-E MS
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	ND		1000	994.6		ug/L		99	75 - 125

Lab Sample ID: 570-90649-I-1-F MSD
Matrix: Water
Analysis Batch: 670724

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 670596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1000	1052		ug/L		105	75 - 125	6	20
Arsenic	ND		1000	1004		ug/L		99	75 - 125	6	20
Barium	49.3		1000	989.2		ug/L		94	75 - 125	7	20
Beryllium	ND		1000	971.8		ug/L		97	75 - 125	7	20
Cadmium	ND		1000	913.9		ug/L		91	75 - 125	7	20
Chromium	13.2		1000	954.0		ug/L		94	75 - 125	7	20
Cobalt	ND		1000	935.9		ug/L		94	75 - 125	7	20
Copper	ND		1000	1024		ug/L		102	75 - 125	7	20
Lead	ND		1000	919.5		ug/L		92	75 - 125	7	20
Molybdenum	ND		1000	981.2		ug/L		98	75 - 125	6	20
Nickel	ND		1000	924.3		ug/L		92	75 - 125	7	20
Selenium	ND		1000	933.7		ug/L		93	75 - 125	5	20
Silver	ND		500	494.8		ug/L		99	75 - 125	8	20
Thallium	ND		1000	904.1		ug/L		90	75 - 125	7	20
Vanadium	ND		1000	978.8		ug/L		97	75 - 125	7	20
Zinc	ND		1000	928.2		ug/L		93	75 - 125	7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-225612/1-A
Matrix: Water
Analysis Batch: 225868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225612

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		04/11/22 09:00	04/11/22 17:32	1

Lab Sample ID: LCS 570-225612/2-A
Matrix: Water
Analysis Batch: 225868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225612

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury			0.0100	0.01001		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-225612/3-A
Matrix: Water
Analysis Batch: 225868

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 225612

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.0100	0.009834		mg/L		98	80 - 120	2	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-90087-A-1-B MS
Matrix: Water
Analysis Batch: 225868

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 225612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000625		0.0100	0.01082		mg/L		102	55 - 133

Lab Sample ID: 570-90087-A-1-C MSD
Matrix: Water
Analysis Batch: 225868

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 225612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000625		0.0100	0.01090		mg/L		103	55 - 133	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-223794/1-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223794

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		04/01/22 14:18	04/04/22 14:13	1

Lab Sample ID: LCS 570-223794/2-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223794

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury			0.806	0.8844		mg/Kg		110	85 - 121

Lab Sample ID: LCSD 570-223794/3-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 223794

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.794	0.8686		mg/Kg		109	85 - 121	2	10

Lab Sample ID: 570-90653-A-3-B MS
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 223794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1	0.877	0.4580	F1	mg/Kg		52	71 - 137

Lab Sample ID: 570-90653-A-3-C MSD
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 223794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1	0.862	0.4417	F1	mg/Kg		51	71 - 137	4	14

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 570-223811/1-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223811

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		04/01/22 15:41	04/04/22 17:45	1

Lab Sample ID: LCS 570-223811/2-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.820	0.9497		mg/Kg		116	85 - 121		

Lab Sample ID: LCSD 570-223811/3-A
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 223811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.833	0.9884		mg/Kg		119	85 - 121	4	10

Lab Sample ID: 570-90676-A-1-D MS
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 223811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.489		0.794	1.513		mg/Kg		129	71 - 137		

Lab Sample ID: 570-90676-A-1-E MSD
Matrix: Solid
Analysis Batch: 224269

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 223811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.489		0.820	1.576		mg/Kg		133	71 - 137	4	14

GC/MS VOA

Prep Batch: 223541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-3 - DL	SV-03-2	Total/NA	Solid	5035	

Prep Batch: 223544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	5035	
570-90510-2	SV-02-2	Total/NA	Solid	5035	
570-90510-3	SV-03-2	Total/NA	Solid	5035	
570-90510-4	HP-01-2	Total/NA	Solid	5035	
570-90510-5	HP-01-10	Total/NA	Solid	5035	
570-90510-6	HP-3-2	Total/NA	Solid	5035	
570-90510-7	HP-3-10	Total/NA	Solid	5035	
570-90510-8	HP-02-2	Total/NA	Solid	5035	
570-90510-9	HP-02-10	Total/NA	Solid	5035	

Analysis Batch: 224279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	8260B	223544
570-90510-2	SV-02-2	Total/NA	Solid	8260B	223544
570-90510-3	SV-03-2	Total/NA	Solid	8260B	223544
570-90510-4	HP-01-2	Total/NA	Solid	8260B	223544
570-90510-5	HP-01-10	Total/NA	Solid	8260B	223544
570-90510-6	HP-3-2	Total/NA	Solid	8260B	223544
570-90510-7	HP-3-10	Total/NA	Solid	8260B	223544
570-90510-8	HP-02-2	Total/NA	Solid	8260B	223544
570-90510-9	HP-02-10	Total/NA	Solid	8260B	223544
MB 570-224279/6	Method Blank	Total/NA	Solid	8260B	
LCS 570-224279/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-224279/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 224377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-3 - DL	SV-03-2	Total/NA	Solid	8260B	223541
MB 570-224377/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-224377/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-224377/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 225192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11	HP-01	Total/NA	Water	8260B	
570-90510-14	EB	Total/NA	Water	8260B	
MB 570-225192/8	Method Blank	Total/NA	Water	8260B	
LCS 570-225192/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-225192/9	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 225385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11 - RA	HP-01	Total/NA	Water	8260B	
570-90510-12	HP-3	Total/NA	Water	8260B	
570-90510-13	HP-02	Total/NA	Water	8260B	
570-90510-14 - RA	EB	Total/NA	Water	8260B	
MB 570-225385/13	Method Blank	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 225385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-225385/8	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-225385/9	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 225500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-10	TB_032922	Total/NA	Water	8260B	
MB 570-225500/9	Method Blank	Total/NA	Water	8260B	
LCS 570-225500/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-225500/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Metals

Prep Batch: 223794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	7471A	
570-90510-2	SV-02-2	Total/NA	Solid	7471A	
570-90510-3	SV-03-2	Total/NA	Solid	7471A	
MB 570-223794/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-223794/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-223794/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-90653-A-3-B MS	Matrix Spike	Total/NA	Solid	7471A	
570-90653-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Prep Batch: 223811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-4	HP-01-2	Total/NA	Solid	7471A	
570-90510-5	HP-01-10	Total/NA	Solid	7471A	
570-90510-6	HP-3-2	Total/NA	Solid	7471A	
570-90510-7	HP-3-10	Total/NA	Solid	7471A	
570-90510-8	HP-02-2	Total/NA	Solid	7471A	
570-90510-9	HP-02-10	Total/NA	Solid	7471A	
MB 570-223811/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-223811/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-223811/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-90676-A-1-D MS	Matrix Spike	Total/NA	Solid	7471A	
570-90676-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 224269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	7471A	223794
570-90510-2	SV-02-2	Total/NA	Solid	7471A	223794
570-90510-3	SV-03-2	Total/NA	Solid	7471A	223794
570-90510-4	HP-01-2	Total/NA	Solid	7471A	223811
570-90510-5	HP-01-10	Total/NA	Solid	7471A	223811
570-90510-6	HP-3-2	Total/NA	Solid	7471A	223811
570-90510-7	HP-3-10	Total/NA	Solid	7471A	223811
570-90510-8	HP-02-2	Total/NA	Solid	7471A	223811
570-90510-9	HP-02-10	Total/NA	Solid	7471A	223811
MB 570-223794/1-A	Method Blank	Total/NA	Solid	7471A	223794
MB 570-223811/1-A	Method Blank	Total/NA	Solid	7471A	223811
LCS 570-223794/2-A	Lab Control Sample	Total/NA	Solid	7471A	223794

Metals (Continued)

Analysis Batch: 224269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-223811/2-A	Lab Control Sample	Total/NA	Solid	7471A	223811
LCSD 570-223794/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	223794
LCSD 570-223811/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	223811
570-90653-A-3-B MS	Matrix Spike	Total/NA	Solid	7471A	223794
570-90653-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	223794
570-90676-A-1-D MS	Matrix Spike	Total/NA	Solid	7471A	223811
570-90676-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	223811

Prep Batch: 225612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11	HP-01	Total/NA	Water	7470A	
570-90510-12	HP-3	Total/NA	Water	7470A	
570-90510-13	HP-02	Total/NA	Water	7470A	
570-90510-14	EB	Total/NA	Water	7470A	
MB 570-225612/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-225612/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-225612/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-90087-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	
570-90087-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 225868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11	HP-01	Total/NA	Water	7470A	225612
570-90510-12	HP-3	Total/NA	Water	7470A	225612
570-90510-13	HP-02	Total/NA	Water	7470A	225612
570-90510-14	EB	Total/NA	Water	7470A	225612
MB 570-225612/1-A	Method Blank	Total/NA	Water	7470A	225612
LCS 570-225612/2-A	Lab Control Sample	Total/NA	Water	7470A	225612
LCSD 570-225612/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	225612
570-90087-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	225612
570-90087-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	225612

Prep Batch: 670456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	3050B	
570-90510-2	SV-02-2	Total/NA	Solid	3050B	
570-90510-3	SV-03-2	Total/NA	Solid	3050B	
570-90510-4	HP-01-2	Total/NA	Solid	3050B	
570-90510-5	HP-01-10	Total/NA	Solid	3050B	
570-90510-6	HP-3-2	Total/NA	Solid	3050B	
570-90510-7	HP-3-10	Total/NA	Solid	3050B	
570-90510-8	HP-02-2	Total/NA	Solid	3050B	
570-90510-9	HP-02-10	Total/NA	Solid	3050B	
MB 440-670456/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-670456/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
570-90510-1 MS	SV-01-2	Total/NA	Solid	3050B	
570-90510-1 MSD	SV-01-2	Total/NA	Solid	3050B	

Analysis Batch: 670572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-1	SV-01-2	Total/NA	Solid	6010B	670456

Metals (Continued)

Analysis Batch: 670572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-2	SV-02-2	Total/NA	Solid	6010B	670456
570-90510-3	SV-03-2	Total/NA	Solid	6010B	670456
570-90510-4	HP-01-2	Total/NA	Solid	6010B	670456
570-90510-5	HP-01-10	Total/NA	Solid	6010B	670456
570-90510-6	HP-3-2	Total/NA	Solid	6010B	670456
570-90510-7	HP-3-10	Total/NA	Solid	6010B	670456
570-90510-8	HP-02-2	Total/NA	Solid	6010B	670456
570-90510-9	HP-02-10	Total/NA	Solid	6010B	670456
MB 440-670456/1-A ^5	Method Blank	Total/NA	Solid	6010B	670456
LCS 440-670456/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	670456
570-90510-1 MS	SV-01-2	Total/NA	Solid	6010B	670456
570-90510-1 MSD	SV-01-2	Total/NA	Solid	6010B	670456

Prep Batch: 670596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11	HP-01	Total Recoverable	Water	3005A	
570-90510-12	HP-3	Total Recoverable	Water	3005A	
570-90510-13	HP-02	Total Recoverable	Water	3005A	
570-90510-14	EB	Total Recoverable	Water	3005A	
MB 440-670596/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-670596/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
570-90649-I-1-E MS	Matrix Spike	Total Recoverable	Water	3005A	
570-90649-I-1-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 670724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-670596/1-A	Method Blank	Total Recoverable	Water	6010B	670596
LCS 440-670596/2-A	Lab Control Sample	Total Recoverable	Water	6010B	670596
570-90649-I-1-E MS	Matrix Spike	Total Recoverable	Water	6010B	670596
570-90649-I-1-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	670596

Analysis Batch: 670730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-90510-11	HP-01	Total Recoverable	Water	6010B	670596
570-90510-12	HP-3	Total Recoverable	Water	6010B	670596
570-90510-13	HP-02	Total Recoverable	Water	6010B	670596
570-90510-14	EB	Total Recoverable	Water	6010B	670596

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: SV-01-2

Date Collected: 03/29/22 08:46
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.965 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/04/22 22:40	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			1.99 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 14:38	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.62 g	100 mL	223794	04/01/22 14:18	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 14:59	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: SV-02-2

Date Collected: 03/29/22 09:43
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.868 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/04/22 23:01	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			2.00 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 14:50	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.63 g	100 mL	223794	04/01/22 14:18	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 15:01	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: SV-03-2

Date Collected: 03/29/22 10:30
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-3

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	5035	DL		5.754 g	5 mL	223541	03/31/22 16:17	UQTR	ECL 4
Total/NA	Analysis	8260B	DL	50	5 mL	5 mL	224377	04/05/22 19:38	U4JL	ECL 4
	Instrument ID: GCMSLL									
Total/NA	Prep	5035			5.378 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/04/22 23:21	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			1.96 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 14:53	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.58 g	100 mL	223794	04/01/22 14:18	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 15:03	VWJ7	ECL 4
	Instrument ID: HG8									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: HP-01-2

Date Collected: 03/29/22 11:28
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.846 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/04/22 23:42	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			1.99 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 14:55	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.62 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:00	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: HP-01-10

Date Collected: 03/29/22 11:45
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-5

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	5035			5.84 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/05/22 00:03	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			1.97 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 15:04	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.57 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:02	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: HP-3-2

Date Collected: 03/29/22 13:44
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-6

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	5035			5.412 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/05/22 00:24	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			2.02 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 15:07	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.59 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:07	VWJ7	ECL 4
	Instrument ID: HG8									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: HP-3-10

Lab Sample ID: 570-90510-7

Date Collected: 03/29/22 14:01

Matrix: Solid

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.87 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/05/22 00:45	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			2.03 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 15:09	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.61 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:09	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: HP-02-2

Lab Sample ID: 570-90510-8

Date Collected: 03/29/22 14:38

Matrix: Solid

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.854 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/05/22 01:05	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			2.02 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 15:11	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.60 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:11	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: HP-02-10

Lab Sample ID: 570-90510-9

Date Collected: 03/29/22 14:54

Matrix: Solid

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.221 g	5 mL	223544	03/31/22 16:20	UQTR	ECL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	224279	04/05/22 01:26	A1W	ECL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3050B			1.96 g	50 mL	670456	04/05/22 10:00	FIQ7	IRV 2
Total/NA	Analysis	6010B		5			670572	04/06/22 15:14	P1R	IRV 2
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.63 g	100 mL	223811	04/01/22 15:41	SR3N	ECL 4
Total/NA	Analysis	7471A		1			224269	04/04/22 18:13	VWJ7	ECL 4
	Instrument ID: HG8									

Client Sample ID: TB_032922

Lab Sample ID: 570-90510-10

Date Collected: 03/29/22 11:23

Matrix: Water

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	225500	04/09/22 13:39	OH1	ECL 4
	Instrument ID: GCMSJJ									

Client Sample ID: HP-01

Lab Sample ID: 570-90510-11

Date Collected: 03/29/22 12:13

Matrix: Water

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	225192	04/08/22 13:22	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	225385	04/09/22 05:29	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total Recoverable	Prep	3005A			25 mL	25 mL	670596	04/07/22 08:18	Y2WS	IRV 2
Total Recoverable	Analysis	6010B		1			670730	04/08/22 19:29	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	225612	04/11/22 09:00	WL8G	ECL 4
Total/NA	Analysis	7470A		1			225868	04/11/22 18:19	VWJ7	ECL 4
	Instrument ID: HG7									

Client Sample ID: HP-3

Lab Sample ID: 570-90510-12

Date Collected: 03/29/22 14:10

Matrix: Water

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	225385	04/09/22 05:57	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total Recoverable	Prep	3005A			25 mL	25 mL	670596	04/07/22 08:18	Y2WS	IRV 2
Total Recoverable	Analysis	6010B		1			670730	04/08/22 19:32	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	225612	04/11/22 09:00	WL8G	ECL 4
Total/NA	Analysis	7470A		1			225868	04/11/22 18:21	VWJ7	ECL 4
	Instrument ID: HG7									

Client Sample ID: HP-02

Lab Sample ID: 570-90510-13

Date Collected: 03/29/22 15:10

Matrix: Water

Date Received: 03/29/22 18:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	225385	04/09/22 06:25	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total Recoverable	Prep	3005A			25 mL	25 mL	670596	04/07/22 08:18	Y2WS	IRV 2
Total Recoverable	Analysis	6010B		1			670730	04/08/22 19:34	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	225612	04/11/22 09:00	WL8G	ECL 4
Total/NA	Analysis	7470A		1			225868	04/11/22 18:23	VWJ7	ECL 4
	Instrument ID: HG7									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Client Sample ID: EB

Date Collected: 03/29/22 15:40
Date Received: 03/29/22 18:22

Lab Sample ID: 570-90510-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	225192	04/08/22 11:59	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	225385	04/08/22 22:32	OH1	ECL 4
	Instrument ID: GCMSJJ									
Total Recoverable	Prep	3005A			25 mL	25 mL	670596	04/07/22 08:18	Y2WS	IRV 2
Total Recoverable	Analysis	6010B		1			670730	04/08/22 19:37	VZ0K	IRV 2
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	225612	04/11/22 09:00	WL8G	ECL 4
Total/NA	Analysis	7470A		1			225868	04/11/22 18:24	VWJ7	ECL 4
	Instrument ID: HG7									

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 4
6010B	Metals (ICP)	SW846	IRV 2
7470A	Mercury (CVAA)	SW846	ECL 4
7471A	Mercury (CVAA)	SW846	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	IRV 2
3050B	Preparation, Metals	SW846	IRV 2
5030C	Purge and Trap	SW846	ECL 4
5035	Closed System Purge and Trap	SW846	ECL 4
7470A	Preparation, Mercury	SW846	ECL 4
7471A	Preparation, Mercury	SW846	ECL 4

Protocol References:

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

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Marina Del Ray Project

Job ID: 570-90510-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-90510-1	SV-01-2	Solid	03/29/22 08:46	03/29/22 18:22
570-90510-2	SV-02-2	Solid	03/29/22 09:43	03/29/22 18:22
570-90510-3	SV-03-2	Solid	03/29/22 10:30	03/29/22 18:22
570-90510-4	HP-01-2	Solid	03/29/22 11:28	03/29/22 18:22
570-90510-5	HP-01-10	Solid	03/29/22 11:45	03/29/22 18:22
570-90510-6	HP-3-2	Solid	03/29/22 13:44	03/29/22 18:22
570-90510-7	HP-3-10	Solid	03/29/22 14:01	03/29/22 18:22
570-90510-8	HP-02-2	Solid	03/29/22 14:38	03/29/22 18:22
570-90510-9	HP-02-10	Solid	03/29/22 14:54	03/29/22 18:22
570-90510-10	TB_032922	Water	03/29/22 11:23	03/29/22 18:22
570-90510-11	HP-01	Water	03/29/22 12:13	03/29/22 18:22
570-90510-12	HP-3	Water	03/29/22 14:10	03/29/22 18:22
570-90510-13	HP-02	Water	03/29/22 15:10	03/29/22 18:22
570-90510-14	EB	Water	03/29/22 15:40	03/29/22 18:22

90510

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780
Phone 714-895-5494

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: B Seymour	Lab PM: Stephen N.	Carrier Tracking No(s):	COC No: 570-48835-10358 1
Client Contact: Girish Kumar	Phone: 714.951.6308	E-Mail: BSeymour@Geosyntec.com	State of Origin:	Page: Page 1 of 2
Company: Geosyntec Consultants Inc.	PWSID:			Job #:
Address: 3530 Hyland Avenue Suite 100	Due Date Requested:			
City: Costa Mesa	TAT Requested (days):			
State, Zip: CA, 92626	Compliance Project: Δ Yes Δ No			
Phone:	PO #:			
Email: GKumar@Geosyntec.com	WO #:			
Project Name: Marina del Rey Project	Project #:			
Site:	SSOW#:			

Analysis Requested

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)	8260B - VOC (Lcs/MS)	6010B, 7471A	6010B, 7470A	8260B -	6010B - metals (LCP)	7471A - Mercury (CVAA)	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	N	D	A				
SV-01-2	1	3.29.22	0846	G	Solid			X				X	X	4	
SV-02-2	2	3.29.22	0943	G	Solid			X				X	X	4	
SV-03-2	3	3.29.22	1030	G	Solid			X				X	X	4	
HP-01-2	4	3.29.22	1128	G	Solid			X				X	X	4	
HP-01-10	5	3.29.22	1145	G	Solid			X				X	X	4	
~~HP-03~~ HP-03-2	6	3.29.22	1347	G	Solid			X				X	X	4	
HP-3-10	7	3.29.22	1401	G	Solid			X				X	X	4	
HP-02-2	8	3.29.22	1438	G	Solid			X				X	X	4	
HP-02-10	9	3.29.22	1454	G	Solid			X				X	X	4	
TB_032922	10	3.29.22	1123	G	Water			X						2	
HP-01	11	3.29.22	1213	G	Water			X				X	X	4	

570-90510 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

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
B Seymour	3/29/22 1822	GSC	[illegible signature]	3/29/22 1822	[illegible]

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 4.9/3 4 [illegible]

Ver: 06/08/2021

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780
Phone 714-895-5494

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: B. Seymour	Lab PM: Stephen N.	Carrier Tracking No(s):	COC No: 570-48835-10358 2
Client Contact: Girish Kumar	Phone: 714.257.6308	E-Mail: BSeymour@Geosyntec.com	State of Origin:	Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 3530 Hyland Avenue Suite 100	Due Date Requested:			
City: Costa Mesa	TAT Requested (days):			
State Zip: CA, 92626	Compliance Project: Δ Yes Δ No			
Phone:	PO #:			
Email: GKumar@Geosyntec.com	WO #:			
Project Name: Marina del Rey Project	Project #:			
Site:	SSOW#:			

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)	8260B - VOC Cocktail	6010B, 7471A	6010B, 7470A	8260B -	6010B-mod/LS (ICP)	7471A-mercury (CVAA)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	A				
~~SV-01-L~~	~~3.29.22~~	~~0946~~		Water										
MP-3 2	3.29.22	1410	G	Water			X				X	X	4	
~~MP-01~~ MP-02 3	3.29.22	1510	G	Water			X				X	X	4	
EB 4	3.29.22	1540	G	Water			X				X	X	4	
				Water										
				Water										
				Water										
				Water										

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

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
B. Seymour	3/29/22 1822	GSC		3/29/22 1822	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 570-90510-1

Login Number: 90510
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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 6

Soil Vapor Laboratory Analytical Reports

JONES ENVIRONMENTAL, INC.
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SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Approval:

Douglas A. Fowler, B.S.
Stationary Lab Chemist

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV-01-6'**	**SV-01-12.5'**	**SV-02-6'**	**SV-02-11.5'**	**SV-03-6'**		
Jones ID:	**ST-19437-01**	**ST-19437-02**	**ST-19437-03**	**ST-19437-04**	**ST-19437-05**	**Reporting Limit**	**Units**
Analytes:							
Benzene	**0.052**	**0.009**	**0.021**	ND	**0.018**	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.012	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.012	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.012	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	**0.052**	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.012	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.012	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.016	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.016	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.016	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	**0.419**	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	**0.215**	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	**0.279**	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	**0.141**	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.016	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.010	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV-01-6'**	**SV-01-12.5'**	**SV-02-6'**	**SV-02-11.5'**	**SV-03-6'**		
Jones ID:	**ST-19437-01**	**ST-19437-02**	**ST-19437-03**	**ST-19437-04**	**ST-19437-05**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.016	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.024	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	**0.107**	**0.102**	**0.043**	**0.051**	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.040	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.016	µg/L
Tetrachloroethene	**0.078**	**0.737**	**0.041**	**0.246**	**1.04**	0.008	µg/L
Toluene	**0.059**	**0.025**	**0.039**	**0.015**	**0.022**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.016	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.016	µg/L
1,1,1-Trichloroethane	**0.122**	**0.104**	ND	**0.016**	**0.443**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.013**	0.008	µg/L
Trichloroethene	**0.728**	**1.30**	**0.028**	**0.182**	**19.0**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.016	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
m,p-Xylene	ND	ND	**0.017**	ND	ND	0.016	µg/L
o-Xylene	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	**3.12**	ND	ND	ND	ND	0.400	µg/L
Tracer:							
n-Pentane	**0.511**	ND	ND	ND	ND	0.080	µg/L
n-Hexane	**0.116**	ND	ND	ND	ND	0.080	µg/L
n-Heptane	**0.097**	ND	ND	ND	ND	0.080	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	114%	99%	98%	98%	96%	60 - 140	
Toluene-d_8	97%	96%	98%	97%	97%	60 - 140	
4-Bromofluorobenzene	102%	99%	94%	95%	92%	60 - 140	
Batch ID:	SG1-040522-01	SG2-033022-01	SG2-033022-01	SG2-033022-01	SG2-033022-01		

ND = Value below reporting limit

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SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV-03-13.5'**	**SV-04-6'**	**SV-04-11.5'**	**SV-04-11.5' DUP**		
Jones ID:	**ST-19437-06**	**ST-19437-07**	**ST-19437-08**	**ST-19437-09**	**Reporting Limit**	**Units**
Analytes:						
Benzene	**0.010**	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroform	**0.166**	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.012	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.012	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	**1.91**	ND	**0.012**	**0.014**	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.371**	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**1.68**	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	**0.225**	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.016	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.010	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV-03-13.5'**	**SV-04-6'**	**SV-04-11.5'**	**SV-04-11.5' DUP**		
Jones ID:	**ST-19437-06**	**ST-19437-07**	**ST-19437-08**	**ST-19437-09**	**Reporting Limit**	**Units**
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	0.016	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.024	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	**0.048**	**0.061**	**0.022**	**0.026**	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.040	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.016	µg/L
Tetrachloroethene	**3.98**	**0.016**	**0.043**	**0.042**	0.008	µg/L
Toluene	**0.023**	**0.016**	**0.014**	**0.015**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,1,1-Trichloroethane	**0.714**	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	**0.090**	ND	ND	ND	0.008	µg/L
Trichloroethene	**54.5**	**0.144**	**0.088**	**0.093**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.016	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	0.008	µg/L
m,p-Xylene	ND	ND	ND	ND	0.016	µg/L
o-Xylene	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.400	µg/L
Tracer:						
n-Pentane	ND	ND	ND	ND	0.080	µg/L
n-Hexane	ND	ND	ND	ND	0.080	µg/L
n-Heptane	ND	ND	ND	ND	0.080	µg/L
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					**QC Limits**	
Dibromofluoromethane	97%	96%	100%	96%	60 - 140	
Toluene-d_8	96%	98%	100%	97%	60 - 140	
4-Bromofluorobenzene	87%	92%	95%	93%	60 - 140	
Batch ID:	SG2-033022-01	SG2-033022-01	SG2-033022-01	SG2-033022-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK		
Jones ID:	033022-SG2MB1	033022-SG2SB1	040522-SG1MB1	040522-SG1SB1	**Reporting Limit**	**Units**
Analytes:						
Benzene	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.012	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.012	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.012	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.016	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.016	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.010	µg/L

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK		
Jones ID:	**033022-SG2MB1**	**033022-SG2SB1**	**040522-SG1MB1**	**040522-SG1SB1**	**Reporting Limit**	**Units**
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	0.016	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.024	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.040	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.016	µg/L
Tetrachloroethene	ND	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.016	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
Trichloroethene	ND	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.016	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	0.008	µg/L
m,p-Xylene	ND	ND	ND	ND	0.016	µg/L
o-Xylene	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.400	µg/L
Tracer:						
n-Pentane	ND	ND	ND	ND	0.080	µg/L
n-Hexane	ND	ND	ND	ND	0.080	µg/L
n-Heptane	ND	ND	ND	ND	0.080	µg/L
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					**QC Limits**	
Dibromofluoromethane	100%	97%	113%	115%	60 - 140	
Toluene-d_8	97%	98%	98%	96%	60 - 140	
4-Bromofluorobenzene	98%	92%	98%	99%	60 - 140	
Batch ID:	SG2-033022-01	SG2-033022-01	SG1-040522-01	SG1-040522-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID: SG2-033022-01

Jones ID:	**033022-SG2LCS1**	**033022-SG2LCSD1**			**033022-SG2CCV1**	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	134%	128%	4.9%	60 - 140	89%	80 - 120
1,1-Dichloroethene	103%	99%	4.4%	60 - 140	89%	80 - 120
Cis-1,2-Dichloroethene	103%	101%	2.0%	70 - 130	96%	80 - 120
1,1,1-Trichloroethane	98%	94%	3.8%	70 - 130	93%	80 - 120
Benzene	105%	106%	1.1%	70 - 130	102%	80 - 120
Trichloroethene	106%	107%	0.8%	70 - 130	99%	80 - 120
Toluene	108%	106%	1.1%	70 - 130	106%	80 - 120
Tetrachloroethene	112%	108%	3.6%	70 - 130	106%	80 - 120
Chlorobenzene	114%	114%		70 - 130	110%	80 - 120
Ethylbenzene	91%	97%	6.8%	70 - 130	99%	80 - 120
1,2,4 Trimethylbenzene	94%	95%	1.7%	70 - 130	92%	80 - 120
Surrogate Recovery:						
Dibromofluoromethane	98%	99%		60 - 140	97%	60 - 140
Toluene-d_8	101%	98%		60 - 140	100%	60 - 140
4-Bromofluorobenzene	98%	96%		60 - 140	100%	60 - 140

LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Geosyntec Consultants	**Report date:**	4/5/2022
Client Address:	3530 Hyland Ave. Suite 100 Costa Mesa, CA 92626	**Jones Ref. No.:** **Client Ref. No.:**	ST-19437 HR1305R-01
Attn:	Kyle Gadley	**Date Sampled:** **Date Received:**	3/30/2022 3/30/2022
Project:	Marina Del Rey	**Date Analyzed:**	3/30/2022
Project Address:	4136 Del Rey Avenue Marina Del Rey, CA 90292	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

QC ID: SG1-040522-01

Jones ID:	**040522-SG1LCS1**	**040522-SG1LCSD1**			**040522-SG1CCV1**	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	120%	118%	1.2%	60 - 140	102%	80 - 120
1,1-Dichloroethene	109%	106%	3.3%	60 - 140	86%	80 - 120
Cis-1,2-Dichloroethene	99%	99%	0.3%	70 - 130	91%	80 - 120
1,1,1-Trichloroethane	104%	103%	1.0%	70 - 130	96%	80 - 120
Benzene	98%	96%	1.7%	70 - 130	88%	80 - 120
Trichloroethene	111%	109%	1.2%	70 - 130	103%	80 - 120
Toluene	97%	97%	0.1%	70 - 130	91%	80 - 120
Tetrachloroethene	109%	108%	1.0%	70 - 130	105%	80 - 120
Chlorobenzene	103%	100%	2.9%	70 - 130	106%	80 - 120
Ethylbenzene	98%	97%	0.6%	70 - 130	103%	80 - 120
1,2,4 Trimethylbenzene	94%	96%	1.8%	70 - 130	123% [1]	80 - 120
Surrogate Recovery:						
Dibromofluoromethane	117%	117%		60 - 140	115%	60 - 140
Toluene-d_8	96%	97%		60 - 140	96%	60 - 140
4-Bromofluorobenzene	105%	104%		60 - 140	105%	60 - 140

LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

[1] Recovery outside of acceptable limits. LCS/LCSD recoveries and RPD were within QC limits, therefore data was accepted.

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Soil-Gas Chain-of-Custody Record

Client: Geosyntec Consultants
Client Address: 3530 Hyland Avenue Suite 100 Costa Mesa, CA 92626
Project Name: Marina Del Rey
Project Address: 4136 ~~Via~~ Del Rey Avenue
Report To:
Email/Phone:
Sampler: Jackson Nestor

Date: 3/30/22
Client Project #: HR1305R-01

Tedlar Hold-Time Requested:
- [x] 6 hr (DTSC)
- [ ] 72 hr (EPA)
- [ ] 5 Day

Report Options
EDD ____
EDF* - 10% Surcharge____
*Global ID _____

Turn Around Requested
- [ ] Immediate Attention-200%
- [ ] Rush 24 Hours-100%
- [ ] Rush 48 Hours-75%
- [ ] Rush 72 Hours-50%
- [ ] Rush 96 Hours-25%
- [x] Normal - No Surcharge

Tracer
- [x] n-pentane
- [x] n-hexane
- [x] n-heptane
- [ ] Helium
- [ ] 1,1-DFA
- [ ] _____

Reporting Limits Requested
- [ ] 20 ug/m³
- [ ] 8 ug/m³
- [ ] __ ug/m³

Units
- [ ] ug/m³
- [x] ug/L
- [ ] ppmV

LAB USE ONLY
Jones Project #
ST-19437

Page 1 of 1

Sample Container:

If different than above, see Notes.

Analysis Requested

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Jones ID (Lab Use Only)	Purge Rate (mL/min)	Pump ID	Magnehelic ID	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	8260B	Gasoline Range Organics	ASTM D1946, Methane/Fixed Gas/H_2S		Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV-01-6'	3	1550	3/30	843	ST-19437-01	200	Rental.2	118011	SG	X				42	1	
SV-01-12.5'	3	1660	3/30	846	-02	200	Rental.4	M100,152	SG	X				42	1	
SV-02-6'	3	1550	3/30	857	-03	200	Rental.2	M100,154	SG	X				42	1	
SV-02-11.5'	3	1640	3/30	900	-04	200	Rental.4	118011	SG	X				42	1	
SV-03-6'	3	1550	3/30	916	-05	200	Rental.2	M100,152	SG	X				42	1	
SV-03-13.5'	3	1670	3/30	919	-06	200	Rental.4	M100,154	SG	X				42	1	
SV-04-6'	3	1550	3/30	937	-07	200	Rental.2	118011	SG	X				42	1	
SV-04-11.5'	3	1640	3/30	942	-08	200	Rental.4	M100,152	SG	X				42	1	
SV-04-11.5' DUP	3	1640	3/30	942	-09	200	Rental.4	M100,152	SG	X				42	1	

Relinquished By (Signature): Bryan Segment
Printed Name: Bryan Segment
Company: Geosyntec
Date: 3.30.22
Time: 0954

Relinquished By (Signature): Jackson Nestor
Printed Name: Jackson Nestor
Company: Jones
Date: 3/30/22
Time: 1059

Received By (Signature):
Printed Name: Jackson Nestor
Company: Jones Env
Date: 3/30/22
Time: 0954

Received By Laboratory (Signature):
Printed Name: Sydney
Company: Jones
Date: 3-30-22
Time: 1059

9 Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

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SAMPLE RECEIPT FORM

Jones ID: ST-19437

CLIENT: Geosyntec
PROJECT: Marina Del Rey
DATE/TIME (LAB RECEIVED): 3/30 1059
RECEIVED BY: SAB

Delivered by: ☐ Client ☐ Jones Courier ☐ UPS / FedEx / USPS ☑ Other Sampler

TEMPERATURE: Thermometer ID: T-1 (Corrected Temp.) Calibration Due: 08/03/2022

Temperature Cooler #1 _____.____°C ± the CF(-0.5°C) _____.____°C Blank Sample

Temperature Cooler #2 _____.____°C ± the CF(-0.5°C) _____.____°C Blank Sample

Temperature Criteria: 0 ≤ 6°C (NO frozen containers) Criteria Met? ☐ Yes ☐ No

If criteria is not met:

Sample Received on ice? ☐ Yes ☐ No*

Sample received Chilled on same day of sampling? ☐ Yes ☐ No*

Checked By: _____

SAMPLE CONDITION:	YES	NO*	N/A
Chain of Custody (COC) received filled out completely	☑	☐*	☐
Total number of containers received match COC	☑	☐*	☐
Sample container label(s) consistent with COC	☑	☐*	☐
Sample container(s) intact and in good condition	☑	☐*	☐
Proper containers and sufficient volume for analyses requested on COC	☑	☐*	☐
Proper preservative indicated on COC/container for analyses requested	☐	☐*	☑
Volatile analysis container(s) free of headspace (EPA 8260 water)	☐	☐*	☑
Custody Seals Intact on Cooler/Sample	☐	☐*	☑

CONTAINER TYPE:

Solid:
- 5035 Kits: _____
- Glass Jar: _____
- Sleeve: _____
- Other: _____

Aqueous:
- Amber Bottle: _____
- VOAs: _____
- Poly Bottle: _____
- 5030 Kits: _____
- Other: _____

Air / Soil Gas:
- Tedlar Bag: 9
- 6 hr
- 72 hr
- 5 Say
- Summa: (1L) _____ (6L) _____

MILEAGE:
Round Trip Mileage: 54 mi Travel Time: 2 hr On Site Time: 2hr

**Complete Non-Conformance if checked*

Checked by: JEN

APPENDIX 7

Indoor/Ambient Air Laboratory Analytical Report

Air TECHNOLOGY Laboratories, Inc.

December 20, 2022

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, ASTM D1946, RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

Geosyntec Consultants
ATTN: Alex Rogaski
3530 Hyland Ave., Suite 100
Costa Mesa, CA 92626

LABORATORY TEST RESULTS

Project Reference: Del Rey Assemblage ESA
Project Number: HR1863-01
Lab Number: N120102-01/22

Enclosed are results for sample(s) received 12/01/22 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Alex Rogaski on 12/19/22.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

Air TECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME				DELIVERABLES		PAGE: 1 OF 3
Standard	☒	48 hours	☐	EDD	☒	Condition upon receipt:
Same Day	☐	72 hours	☐	~~EDF~~	☒ (struck) 12/1/22 per A.R.	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:				Level 4	☐	Chilled ______ deg C

Project No.:	HR1863-01
Project Name:	Del Rey Assemblage ESA
Report To:	Alex Rogaski
Company:	Geosyntec Consultants
Street:	3530 Hyland Avenue, Suite 100
City/State/Zip:	Costa Mesa, CA
Phone& Fax:	440-417-2218
e-mail:	Alex.Rogaski@geosyntec.com

BILLING

P.O. No.:

Bill to:

ANALYSIS REQUEST

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	VOCs by TO-15 (Full Scan) LOW LEVEL 12/1/22					
N120102-01	IA_4134_1	11/30/2022	15:52	6L	air		X					
-02	IA_4134_2	11/30/2022	15:53	6L	air		X					
-03	IA_4134_3	11/30/2022	15:51	6L	air		X					
-04	IA_4130_1	11/30/2022	13:56	6L	air		X					
-05	IA_4130_2	11/30/2022	13:54	6L	air		X					
-06	IA_4130_3	11/30/2022	13:53	6L	air		X					
-07	IA_4120_1	11/30/2022	15:45	6L	air		X					
-08	IA_4120_2	11/30/2022	15:46	6L	air		X					
-09	IA_4120_3	11/30/2022	15:48	6L	air		X					

Form-24 Rev. 1 QA Manager 2/22/10

AUTHORIZATION TO PERFORM WORK	COMPANY Geosyntec Consultants	DATE/TIME	
SAMPLED BY AR	COMPANY Geosyntec Consultants	DATE/TIME	
RELINQUISHED BY Alex Rogaski	DATE/TIME 12-1-22 10:05	RECEIVED BY [signature]	DATE/TIME 12/1/22 1005
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

COMMENTS

• per email/verbal inst. A. Rogaski 12/1/22

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other__________

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: H=HCl N=None / Container: B=Bag C=Can V=VOA O=Other *Rev. 03 - 5/7/09*

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

Standard	☒	48 hours	☐
Same Day	☐	72 hours	☐
24 hours	☐	96 hours	☐
Other:			

DELIVERABLES

EDD	☒
EDF	☒
Level 3	☐
Level 4	☐

PAGE: 2 OF 3

Condition upon receipt:
Sealed Yes ☐ No ☐
Intact Yes ☐ No ☐
Chilled _____ deg C

Project No.:	HR1863-01
Project Name:	Del Rey Assemblage ESA
Report To:	Alex Rogaski
Company:	Geosyntec Consultants
Street:	3530 Hyland Avenue, Suite 100
City/State/Zip:	Costa Mesa, CA
Phone& Fax:	440-417-2218
e-mail:	Alex.Rogaski@geosyntec.com

BILLING

P.O. No.:
Bill to:

ANALYSIS REQUEST

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	VOCs by TO-15 (Full Scan) Low Level 90 12/1/22					
N120102-10	IA_4112_1	11/30/2022	15:00	6L	air		X					
-11	IA_4112_2	11/30/2022	14:58	6L	air		X					
-12	IA_4112_3	11/30/2022	15:01	6L	air		X					
-13	IA_4112_3_DUP	11/30/2022	15:01	6L	air		X					
-14	IA_4132_1	11/30/2022	16:24	6L	air		X					
-15	IA_4132_2	11/30/2022	15:59	6L	air		X					
-16	IA_4132_3	11/30/2022	16:25	6L	air		X					
-17	IA_4136_1	11/30/2022	16:20	6L	air		~~X~~	*				
-18	IA_4136_2	11/30/2022	16:22	6L	air		X					
-19	IA_4136_3	11/30/2022	16:21	6L	air		X					

Form-24 Rev. 1 QA Manager 2/22/10

AUTHORIZATION TO PERFORM WORK	COMPANY Geosyntec Consultants	DATE/TIME	
SAMPLED BY AR	COMPANY Geosyntec Consultants	DATE/TIME	
RELINQUISHED BY	DATE/TIME 12-1-22 10:05	RECEIVED BY	DATE/TIME 12/1/22 1085
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other_____

COMMENTS

Cancelled 12/5/22 OHL due to leaky can. SD
Per A. Rogaski.

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME				DELIVERABLES		PAGE: 3 OF 3
Standard	☒	48 hours	☐	EDD	☒	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☒	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:				Level 4	☐	Chilled _____ deg C

Project No.:	HR1863-01
Project Name:	Del Rey Assemblage ESA
Report To:	Alex Rogaski
Company:	Geosyntec Consultants
Street:	3530 Hyland Avenue, Suite 100
City/State/Zip:	Costa Mesa, CA
Phone& Fax:	440-417-2218
e-mail:	Alex.Rogaski@geosyntec.com

BILLING

P.O. No.:

Bill to:

ANALYSIS REQUEST

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	VOCs by TO-15 (Full Scan) low level 12/1/22					
N120102-20	AA_1	11/30/2022	15:17	6L	air		X					
-21	AA_2	11/30/2022	14:11	6L	air		X					
-22	AA_3	11/30/2022	15:07	6L	air		X					

Form-24 Rev. 1 QA Manager 2/22/10

AUTHORIZATION TO PERFORM WORK	COMPANY	DATE/TIME
	Geosyntec Consultants	
SAMPLED BY AR	**COMPANY** Geosyntec Consultants	**DATE/TIME**
RELINQUISHED BY Alex Rogaski	**DATE/TIME** 12-1-22 10:05	**RECEIVED BY** [signature] **DATE/TIME** 12/1/22 1005
RELINQUISHED BY	**DATE/TIME**	**RECEIVED BY** **DATE/TIME**
RELINQUISHED BY	**DATE/TIME**	**RECEIVED BY** **DATE/TIME**

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other_____

COMMENTS

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-01			N120102-02			N120102-03			N120102-04		
Client Sample I.D.:	IA_4134_1			IA_4134_2			IA_4134_3			IA-4130_1		
Date/Time Sampled:	11/30/22 15:52			11/30/22 15:53			11/30/22 15:51			11/30/22 13:56		
Date/Time Analyzed:	12/14/22 16:07			12/14/22 16:47			12/14/22 17:30			12/14/22 18:12		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	1.8	0.99	0.038	1.9	0.99	0.038	1.9	0.99	0.038	1.8	0.99	0.038
Chloromethane	1.2	0.83	0.12	1.2	0.83	0.12	1.3	0.83	0.12	1.6	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.4	0.069	0.11 J	1.4	0.069	0.12 J	1.4	0.069	ND	1.4	0.069
Vinyl Chloride	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087
Bromomethane	ND	0.78	0.18	0.20 J	0.78	0.18	0.26 J	0.78	0.18	0.37 J	0.78	0.18
Chloroethane	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10
Trichlorofluoromethane (11)	0.92 J	1.1	0.14	0.93 J	1.1	0.14	0.91 J	1.1	0.14	0.92 J	1.1	0.14
1,1-Dichloroethene	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060
Carbon Disulfide	1.3	1.2	0.048	3.8	1.2	0.048	2.7	1.2	0.048	29	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	0.40 J	1.5	0.23	ND	1.5	0.23	0.41 J	1.5	0.23	0.45 J	1.5	0.23
Acetone	17	0.95	0.26	17	0.95	0.26	19	0.95	0.26	65	0.95	0.26
Methylene Chloride	0.38 J	0.69	0.096	0.48 J	0.69	0.096	0.43 J	0.69	0.096	0.75	0.69	0.096
t-1,2-Dichloroethene	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083
1,1-Dichloroethane	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075
Vinyl Acetate	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11
c-1,2-Dichloroethene	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11
2-Butanone	3.0	0.59	0.019	2.8	0.59	0.019	4.8	0.59	0.019	9.9	0.59	0.019
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13
Chloroform	0.17 J	0.98	0.040	0.30 J	0.98	0.040	0.20 J	0.98	0.040	0.26 J	0.98	0.040
1,1,1-Trichloroethane	ND	1.1	0.046	ND	1.1	0.046	ND	1.1	0.046	ND	1.1	0.046
Carbon Tetrachloride	0.30 J	1.3	0.065	0.32 J	1.3	0.065	0.31 J	1.3	0.065	0.34 J	1.3	0.065
Benzene	1.3	0.64	0.11	1.2	0.64	0.11	1.3	0.64	0.11	1.6	0.64	0.11
1,2-Dichloroethane	ND	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079	0.16 J	0.81	0.079
Trichloroethene	ND	1.1	0.059	2.8	1.1	0.059	0.098 J	1.1	0.059	ND	1.1	0.059
1,2-Dichloropropane	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087
Bromodichloromethane	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079
c-1,3-Dichloropropene	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041
4-Methyl-2-Pentanone	ND	0.82	0.15	0.50 J	0.82	0.15	0.56 J	0.82	0.15	2.3	0.82	0.15
Toluene	2.3	0.75	0.033	2.2	0.75	0.033	2.3	0.75	0.033	5.0	0.75	0.033
t-1,3-Dichloropropene	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023
1,1,2-Trichloroethane	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15
Tetrachloroethene	ND	1.4	0.045	0.22 J	1.4	0.045	ND	1.4	0.045	0.17 J	1.4	0.045
2-Hexanone	ND	0.82	0.050	ND	0.82	0.050	0.22 J	0.82	0.050	0.64 J	0.82	0.050
Dibromochloromethane	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25
1,2-Dibromoethane	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14
Chlorobenzene	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048
Ethylbenzene	0.52 J	0.87	0.032	0.53 J	0.87	0.032	0.54 J	0.87	0.032	1.1	0.87	0.032

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-01			N120102-02			N120102-03			N120102-04		
Client Sample I.D.:	IA_4134_1			IA_4134_2			IA_4134_3			IA-4130_1		
Date/Time Sampled:	11/30/22 15:52			11/30/22 15:53			11/30/22 15:51			11/30/22 13:56		
Date/Time Analyzed:	12/14/22 16:07			12/14/22 16:47			12/14/22 17:30			12/14/22 18:12		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**
p,&m-Xylene	1.6	0.87	0.057	1.8	0.87	0.057	1.6	0.87	0.057	4.0	0.87	0.057
o-Xylene	0.63 J	0.87	0.042	0.67 J	0.87	0.042	0.63 J	0.87	0.042	1.5	0.87	0.042
Styrene	0.44 J	0.85	0.062	0.51 J	0.85	0.062	0.52 J	0.85	0.062	0.84 J	0.85	0.062
Bromoform	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14
Benzyl Chloride	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098
4-Ethyl Toluene	0.55 J	0.98	0.048	0.55 J	0.98	0.048	0.54 J	0.98	0.048	1.3	0.98	0.048
1,3,5-Trimethylbenzene	0.14 J	0.98	0.063	0.17 J	0.98	0.063	0.16 J	0.98	0.063	0.45 J	0.98	0.063
1,2,4-Trimethylbenzene	0.58 J	0.98	0.056	0.56 J	0.98	0.056	0.55 J	0.98	0.056	1.5	0.98	0.056
1,3-Dichlorobenzene	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14
1,4-Dichlorobenzene	0.19 J	1.2	0.13	0.17 J	1.2	0.13	0.17 J	1.2	0.13	0.17 J	1.2	0.13
1,2-Dichlorobenzene	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15
Hexachlorobutadiene	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19
Surrogate	**Result % Rec**	**QC Criteria**		**Result % Rec**	**QC Criteria**		**Result % Rec**	**QC Criteria**		**Result % Rec**	**QC Criteria**	
1,2-Dichloroethane-d4	74	70-130		76	70-130		74	70-130		76	70-130	
Toluene-d8	94	70-130		92	70-130		92	70-130		93	70-130	
4-Bromofluorobenzene	105	70-130		101	70-130		100	70-130		98	70-130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-05			N120102-06			N120102-07			N120102-08		
Client Sample I.D.:	IA-4130_2			IA-4130_3			IA_4120_1			IA_4120_2		
Date/Time Sampled:	11/30/22 13:54			11/30/22 13:53			11/30/22 15:45			11/30/22 15:46		
Date/Time Analyzed:	12/14/22 18:47			12/14/22 19:27			12/14/22 20:07			12/14/22 20:47		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	2.7			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	2.0 J	14	0.52	1.9	0.99	0.038	2.1	0.99	0.038	1.9	0.99	0.038
Chloromethane	ND	11	1.6	1.5	0.83	0.12	1.2	0.83	0.12	1.3	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	ND	19	0.95	0.11 J	1.4	0.069	0.098 J	1.4	0.069	0.087 J	1.4	0.069
Vinyl Chloride	ND	7.0	1.2	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087
Bromomethane	ND	11	2.4	0.25 J	0.78	0.18	0.34 J	0.78	0.18	0.37 J	0.78	0.18
Chloroethane	ND	14	1.4	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10
Trichlorofluoromethane (11)	ND	15	2.0	0.99 J	1.1	0.14	0.97 J	1.1	0.14	0.95 J	1.1	0.14
1,1-Dichloroethene	ND	11	0.82	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060
Carbon Disulfide	10 J	17	0.66	3.2	1.2	0.048	2.4	1.2	0.048	15	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	ND	21	3.1	0.48 J	1.5	0.23	0.47 J	1.5	0.23	0.41 J	1.5	0.23
Acetone	58	13	3.6	51	0.95	0.26	32	0.95	0.26	19	0.95	0.26
Methylene Chloride	ND	9.5	1.3	0.90	0.69	0.096	0.43 J	0.69	0.096	0.49 J	0.69	0.096
t-1,2-Dichloroethene	ND	11	1.1	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083
1,1-Dichloroethane	ND	11	1.0	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075
Vinyl Acetate	ND	9.6	1.5	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11
c-1,2-Dichloroethene	ND	11	1.5	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11
2-Butanone	20	8.1	0.26	5.4	0.59	0.019	6.9	0.59	0.019	3.8	0.59	0.019
t-Butyl Methyl Ether (MTBE)	ND	9.9	1.7	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13
Chloroform	ND	13	0.54	1.0	0.98	0.040	0.13 J	0.98	0.040	0.14 J	0.98	0.040
1,1,1-Trichloroethane	ND	15	0.63	ND	1.1	0.046	ND	1.1	0.046	ND	1.1	0.046
Carbon Tetrachloride	ND	17	0.89	1.5	1.3	0.065	0.29 J	1.3	0.065	0.34 J	1.3	0.065
Benzene	5.2 J	8.8	1.6	1.5	0.64	0.11	1.2	0.64	0.11	1.2	0.64	0.11
1,2-Dichloroethane	ND	11	1.1	0.13 J	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079
Trichloroethene	ND	15	0.81	ND	1.1	0.059	ND	1.1	0.059	ND	1.1	0.059
1,2-Dichloropropane	ND	13	1.2	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087
Bromodichloromethane	ND	18	1.1	0.49 J	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079
c-1,3-Dichloropropene	ND	12	0.56	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041
4-Methyl-2-Pentanone	ND	11	2.0	1.6	0.82	0.15	ND	0.82	0.15	0.23 J	0.82	0.15
Toluene	6.3 J	10	0.45	4.2	0.75	0.033	2.4	0.75	0.033	2.6	0.75	0.033
t-1,3-Dichloropropene	ND	25	0.32	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023
1,1,2-Trichloroethane	ND	15	2.0	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15
Tetrachloroethene	ND	19	0.62	0.15 J	1.4	0.045	ND	1.4	0.045	ND	1.4	0.045
2-Hexanone	ND	11	0.69	0.47 J	0.82	0.050	0.84	0.82	0.050	ND	0.82	0.050
Dibromochloromethane	ND	23	3.5	0.63 J	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25
1,2-Dibromoethane	ND	21	2.0	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14
Chlorobenzene	ND	13	0.66	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048
Ethylbenzene	1.5 J	12	0.44	0.87	0.87	0.032	0.52 J	0.87	0.032	0.61 J	0.87	0.032

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-05			N120102-06			N120102-07			N120102-08		
Client Sample I.D.:	IA-4130_2			IA-4130_3			IA_4120_1			IA_4120_2		
Date/Time Sampled:	11/30/22 13:54			11/30/22 13:53			11/30/22 15:45			11/30/22 15:46		
Date/Time Analyzed:	12/14/22 18:47			12/14/22 19:27			12/14/22 20:07			12/14/22 20:47		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	2.7			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
p,&m-Xylene	4.1 J	12	0.77	3.3	0.87	0.057	1.7	0.87	0.057	2.0	0.87	0.057
o-Xylene	1.3 J	12	0.57	1.3	0.87	0.042	0.57 J	0.87	0.042	0.81 J	0.87	0.042
Styrene	ND	12	0.85	0.91	0.85	0.062	0.20 J	0.85	0.062	0.37 J	0.85	0.062
Bromoform	ND	28	2.8	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	19	1.9	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14
Benzyl Chloride	ND Q	35	1.3	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098
4-Ethyl Toluene	1.2 J	13	0.65	1.1	0.98	0.048	0.56 J	0.98	0.048	0.69 J	0.98	0.048
1,3,5-Trimethylbenzene	ND	13	0.86	0.35 J	0.98	0.063	0.17 J	0.98	0.063	0.22 J	0.98	0.063
1,2,4-Trimethylbenzene	1.8 J	13	0.77	1.2	0.98	0.056	0.63 J	0.98	0.056	0.68 J	0.98	0.056
1,3-Dichlorobenzene	ND	16	1.9	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14
1,4-Dichlorobenzene	ND	16	1.8	0.21 J	1.2	0.13	0.16 J	1.2	0.13	0.21 J	1.2	0.13
1,2-Dichlorobenzene	ND	16	1.0	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	20	2.0	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15
Hexachlorobutadiene	ND	29	2.6	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19
Surrogate	Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria	
1,2-Dichloroethane-d4	76	70-130		74	70-130		78	70-130		76	70-130	
Toluene-d8	92	70-130		93	70-130		92	70-130		91	70-130	
4-Bromofluorobenzene	71	70-130		98	70-130		100	70-130		99	70-130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-09			N120102-10			N120102-11			N120102-12		
Client Sample I.D.:	IA_4120_3			IA_4112_1			IA_4112_2			IA_4112_3		
Date/Time Sampled:	11/30/22 15:48			11/30/22 15:00			11/30/22 14:58			11/30/22 15:01		
Date/Time Analyzed:	12/14/22 21:30			12/14/22 22:10			12/14/22 22:49			12/14/22 23:32		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	1.8	0.99	0.038	2.6	0.99	0.038	2.5	0.99	0.038	2.5	0.99	0.038
Chloromethane	1.4	0.83	0.12	1.6	0.83	0.12	1.3	0.83	0.12	1.3	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	0.091 J	1.4	0.069	0.10 J	1.4	0.069	0.11 J	1.4	0.069	0.10 J	1.4	0.069
Vinyl Chloride	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087
Bromomethane	0.29 J	0.78	0.18	0.38 J	0.78	0.18	0.31 J	0.78	0.18	0.26 J	0.78	0.18
Chloroethane	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10
Trichlorofluoromethane (11)	0.96 J	1.1	0.14	0.92 J	1.1	0.14	0.92 J	1.1	0.14	0.92 J	1.1	0.14
1,1-Dichloroethene	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060
Carbon Disulfide	12	1.2	0.048	11	1.2	0.048	4.3	1.2	0.048	ND	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.5	0.23	0.35 J	1.5	0.23	0.44 J	1.5	0.23	0.41 J	1.5	0.23
Acetone	30	0.95	0.26	51	0.95	0.26	28	0.95	0.26	30	0.95	0.26
Methylene Chloride	0.44 J	0.69	0.096	ND	0.69	0.096	ND	0.69	0.096	ND	0.69	0.096
t-1,2-Dichloroethene	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083
1,1-Dichloroethane	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075
Vinyl Acetate	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11
c-1,2-Dichloroethene	ND	0.79	0.11	0.38 J	0.79	0.11	0.33 J	0.79	0.11	0.33 J	0.79	0.11
2-Butanone	21	0.59	0.019	6.6	0.59	0.019	6.9	0.59	0.019	6.0	0.59	0.019
t-Butyl Methyl Ether (MTBE)	0.14 J	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13
Chloroform	ND	0.98	0.040	0.30 J	0.98	0.040	0.19 J	0.98	0.040	0.088 J	0.98	0.040
1,1,1-Trichloroethane	ND	1.1	0.046	0.30 J	1.1	0.046	0.23 J	1.1	0.046	0.18 J	1.1	0.046
Carbon Tetrachloride	0.36 J	1.3	0.065	0.29 J	1.3	0.065	0.30 J	1.3	0.065	0.28 J	1.3	0.065
Benzene	1.2	0.64	0.11	30	0.64	0.11	26	0.64	0.11	28	0.64	0.11
1,2-Dichloroethane	ND	0.81	0.079	0.12 J	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079
Trichloroethene	ND	1.1	0.059	9.3	1.1	0.059	8.0	1.1	0.059	7.0	1.1	0.059
1,2-Dichloropropane	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087
Bromodichloromethane	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079
c-1,3-Dichloropropene	0.22 J	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041
4-Methyl-2-Pentanone	2.1	0.82	0.15	ND	0.82	0.15	20	0.82	0.15	10	0.82	0.15
Toluene	3.8	0.75	0.033	100	0.75	0.033	98	0.75	0.033	100	0.75	0.033
t-1,3-Dichloropropene	0.23 J	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023
1,1,2-Trichloroethane	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15
Tetrachloroethene	0.11 J	1.4	0.045	0.074 J	1.4	0.045	0.24 J	1.4	0.045	ND	1.4	0.045
2-Hexanone	2.0	0.82	0.050	0.35 J	0.82	0.050	0.36 J	0.82	0.050	0.89	0.82	0.050
Dibromochloromethane	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25
1,2-Dibromoethane	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14
Chlorobenzene	0.065 J	0.92	0.048	ND	0.92	0.048	0.14 J	0.92	0.048	0.17 J	0.92	0.048
Ethylbenzene	1.8	0.87	0.032	27	0.87	0.032	23	0.87	0.032	25	0.87	0.032

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Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-09			N120102-10			N120102-11			N120102-12		
Client Sample I.D.:	IA_4120_3			IA_4112_1			IA_4112_2			IA_4112_3		
Date/Time Sampled:	11/30/22 15:48			11/30/22 15:00			11/30/22 14:58			11/30/22 15:01		
Date/Time Analyzed:	12/14/22 21:30			12/14/22 22:10			12/14/22 22:49			12/14/22 23:32		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221214MS2A1		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
p,&m-Xylene	4.0	0.87	0.057	70	0.87	0.057	67	0.87	0.057	68	0.87	0.057
o-Xylene	1.5	0.87	0.042	33	0.87	0.042	29	0.87	0.042	31	0.87	0.042
Styrene	0.91	0.85	0.062	8.7	0.85	0.062	8.9	0.85	0.062	6.2	0.85	0.062
Bromoform	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14
Benzyl Chloride	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098
4-Ethyl Toluene	1.5	0.98	0.048	29	0.98	0.048	25	0.98	0.048	28	0.98	0.048
1,3,5-Trimethylbenzene	0.63 J	0.98	0.063	8.2	0.98	0.063	7.1	0.98	0.063	7.7	0.98	0.063
1,2,4-Trimethylbenzene	1.7	0.98	0.056	30	0.98	0.056	27	0.98	0.056	29	0.98	0.056
1,3-Dichlorobenzene	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14
1,4-Dichlorobenzene	0.47 J	1.2	0.13	0.18 J	1.2	0.13	ND	1.2	0.13	0.16 J	1.2	0.13
1,2-Dichlorobenzene	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15
Hexachlorobutadiene	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19
Surrogate	Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria	
1,2-Dichloroethane-d4	74	70-130		82	70-130		80	70-130		81	70-130	
Toluene-d8	93	70-130		93	70-130		91	70-130		91	70-130	
4-Bromofluorobenzene	100	70-130		102	70-130		100	70-130		98	70-130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
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Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-13			N120102-14			N120102-15			N120102-16		
Client Sample I.D.:	IA_4112_3_DUP			IA_4132_1			IA_4132_2			IA_4132_3		
Date/Time Sampled:	11/30/22 15:01			11/30/22 16:24			11/30/22 15:59			11/30/22 16:25		
Date/Time Analyzed:	12/15/22 0:11			12/15/22 19:39			12/15/22 1:26			12/15/22 20:20		
QC Batch No.:	221214MS2A1			221215MS2A2			221214MS2A1			221215MS2A2		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	2.7	0.99	0.038	2.0	0.99	0.038	2.0	0.99	0.038	1.9	0.99	0.038
Chloromethane	ND	0.83	0.12	1.5	0.83	0.12	1.4	0.83	0.12	1.5	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.4	0.069	0.10 J	1.4	0.069	0.079 J	1.4	0.069	ND	1.4	0.069
Vinyl Chloride	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087
Bromomethane	ND	0.78	0.18	0.28 J	0.78	0.18	0.19 J	0.78	0.18	ND	0.78	0.18
Chloroethane	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10
Trichlorofluoromethane (11)	0.95 J	1.1	0.14	0.74 J	1.1	0.14	0.95 J	1.1	0.14	1.1	1.1	0.14
1,1-Dichloroethene	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060
Carbon Disulfide	5.6	1.2	0.048	11	1.2	0.048	4.9	1.2	0.048	2.3	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	0.25 J	1.5	0.23	0.24 J	1.5	0.23	0.48 J	1.5	0.23	0.42 J	1.5	0.23
Acetone	31	0.95	0.26	42	0.95	0.26	27	0.95	0.26	56	0.95	0.26
Methylene Chloride	ND	0.69	0.096	2.1	0.69	0.096	1.2	0.69	0.096	2.3	0.69	0.096
t-1,2-Dichloroethene	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083
1,1-Dichloroethane	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075
Vinyl Acetate	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11
c-1,2-Dichloroethene	0.33 J	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11
2-Butanone	9.9	0.59	0.019	7.0	0.59	0.019	4.1	0.59	0.019	15	0.59	0.019
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13
Chloroform	0.23 J	0.98	0.040	0.25 J	0.98	0.040	0.21 J	0.98	0.040	0.28 J	0.98	0.040
1,1,1-Trichloroethane	0.19 J	1.1	0.046	0.37 J	1.1	0.046	0.071 J	1.1	0.046	0.38 J	1.1	0.046
Carbon Tetrachloride	0.32 J	1.3	0.065	0.35 J	1.3	0.065	0.34 J	1.3	0.065	0.36 J	1.3	0.065
Benzene	31	0.64	0.11	1.3	0.64	0.11	1.3	0.64	0.11	1.4	0.64	0.11
1,2-Dichloroethane	0.12 J	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079	0.13 J	0.81	0.079
Trichloroethene	8.1	1.1	0.059	5.2	1.1	0.059	2.7	1.1	0.059	5.0	1.1	0.059
1,2-Dichloropropane	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087
Bromodichloromethane	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079
c-1,3-Dichloropropene	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041
4-Methyl-2-Pentanone	23	0.82	0.15	0.60 J	0.82	0.15	ND	0.82	0.15	1.1	0.82	0.15
Toluene	110	0.75	0.033	4.6	0.75	0.033	2.9	0.75	0.033	3.9	0.75	0.033
t-1,3-Dichloropropene	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023
1,1,2-Trichloroethane	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15
Tetrachloroethene	0.22 J	1.4	0.045	0.74 J	1.4	0.045	1.1 J	1.4	0.045	0.88 J	1.4	0.045
2-Hexanone	0.48 J	0.82	0.050	ND	0.82	0.050	0.22 J	0.82	0.050	0.51 J	0.82	0.050
Dibromochloromethane	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25
1,2-Dibromoethane	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14
Chlorobenzene	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048
Ethylbenzene	27	0.87	0.032	0.92	0.87	0.032	0.63 J	0.87	0.032	0.91	0.87	0.032

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-13			N120102-14			N120102-15			N120102-16		
Client Sample I.D.:	IA_4112_3_DUP			IA_4132_1			IA_4132_2			IA_4132_3		
Date/Time Sampled:	11/30/22 15:01			11/30/22 16:24			11/30/22 15:59			11/30/22 16:25		
Date/Time Analyzed:	12/15/22 0:11			12/15/22 19:39			12/15/22 1:26			12/15/22 20:20		
QC Batch No.:	221214MS2A1			221215MS2A2			221214MS2A1			221215MS2A2		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
p,&m-Xylene	71	0.87	0.057	3.0	0.87	0.057	2.1	0.87	0.057	3.0	0.87	0.057
o-Xylene	33	0.87	0.042	1.1	0.87	0.042	0.79 J	0.87	0.042	1.1	0.87	0.042
Styrene	6.6	0.85	0.062	1.1	0.85	0.062	0.50 J	0.85	0.062	0.90	0.85	0.062
Bromoform	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14
Benzyl Chloride	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098
4-Ethyl Toluene	30	0.98	0.048	0.76 J	0.98	0.048	0.59 J	0.98	0.048	0.76 J	0.98	0.048
1,3,5-Trimethylbenzene	8.5	0.98	0.063	0.23 J	0.98	0.063	0.18 J	0.98	0.063	0.21 J	0.98	0.063
1,2,4-Trimethylbenzene	31	0.98	0.056	0.88 J	0.98	0.056	0.66 J	0.98	0.056	0.81 J	0.98	0.056
1,3-Dichlorobenzene	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14
1,4-Dichlorobenzene	0.17 J	1.2	0.13	0.21 J	1.2	0.13	0.23 J	1.2	0.13	0.25 J	1.2	0.13
1,2-Dichlorobenzene	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15
Hexachlorobutadiene	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19
Surrogate	Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria	
1,2-Dichloroethane-d4	79	70-130		84	70-130		77	70-130		79	70-130	
Toluene-d8	92	70-130		91	70-130		91	70-130		89	70-130	
4-Bromofluorobenzene	99	70-130		100	70-130		98	70-130		100	70-130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-18			N120102-19			N120102-20			N120102-21		
Client Sample I.D.:	IA_4136_2			IA_4136_3			AA_1			AA_2		
Date/Time Sampled:	11/30/22 16:22			11/30/22 16:21			11/30/22 15:17			11/30/22 14:11		
Date/Time Analyzed:	12/15/22 2:43			12/15/22 3:25			12/15/22 4:05			12/15/22 21:00		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221215MS2A2		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	1.8	0.99	0.038	2.0	0.99	0.038	1.9	0.99	0.038	2.0	0.99	0.038
Chloromethane	ND	0.83	0.12	1.5	0.83	0.12	1.2	0.83	0.12	1.2	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	0.078 J	1.4	0.069	0.097 J	1.4	0.069	ND	1.4	0.069	0.13 J	1.4	0.069
Vinyl Chloride	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087	ND	0.51	0.087
Bromomethane	ND	0.78	0.18	0.18 J	0.78	0.18	ND	0.78	0.18	0.26 J	0.78	0.18
Chloroethane	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10	ND	1.1	0.10
Trichlorofluoromethane (11)	0.89 J	1.1	0.14	0.97 J	1.1	0.14	0.94 J	1.1	0.14	1.0 J	1.1	0.14
1,1-Dichloroethene	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060	ND	0.79	0.060
Carbon Disulfide	49	1.2	0.048	3.6	1.2	0.048	8.3	1.2	0.048	9.4	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	0.39 J	1.5	0.23	0.29 J	1.5	0.23	0.24 J	1.5	0.23	0.48 J	1.5	0.23
Acetone	14	0.95	0.26	66	0.95	0.26	13	0.95	0.26	32	0.95	0.26
Methylene Chloride	0.41 J	0.69	0.096	0.47 J	0.69	0.096	0.42 J	0.69	0.096	0.47 J	0.69	0.096
t-1,2-Dichloroethene	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083	ND	0.79	0.083
1,1-Dichloroethane	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075	ND	0.81	0.075
Vinyl Acetate	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11	ND	0.70	0.11
c-1,2-Dichloroethene	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11	ND	0.79	0.11
2-Butanone	5.3	0.59	0.019	7.9	0.59	0.019	3.6	0.59	0.019	28	0.59	0.019
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13	ND	0.72	0.13
Chloroform	0.16 J	0.98	0.040	0.80 J	0.98	0.040	ND	0.98	0.040	0.13 J	0.98	0.040
1,1,1-Trichloroethane	ND	1.1	0.046	ND	1.1	0.046	ND	1.1	0.046	ND	1.1	0.046
Carbon Tetrachloride	0.29 J	1.3	0.065	0.38 J	1.3	0.065	0.23 J	1.3	0.065	0.34 J	1.3	0.065
Benzene	1.1	0.64	0.11	1.2	0.64	0.11	0.93	0.64	0.11	0.98	0.64	0.11
1,2-Dichloroethane	ND	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079	ND	0.81	0.079
Trichloroethene	1.2	1.1	0.059	2.2	1.1	0.059	ND	1.1	0.059	ND	1.1	0.059
1,2-Dichloropropane	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087	ND	0.92	0.087
Bromodichloromethane	ND	1.3	0.079	0.67 J	1.3	0.079	ND	1.3	0.079	ND	1.3	0.079
c-1,3-Dichloropropene	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041	ND	0.91	0.041
4-Methyl-2-Pentanone	2.2	0.82	0.15	2.6	0.82	0.15	0.48 J	0.82	0.15	0.84	0.82	0.15
Toluene	3.3	0.75	0.033	3.9	0.75	0.033	1.8	0.75	0.033	2.3	0.75	0.033
t-1,3-Dichloropropene	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023	ND	1.8	0.023
1,1,2-Trichloroethane	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15	ND	1.1	0.15
Tetrachloroethene	ND	1.4	0.045	0.089 J	1.4	0.045	ND	1.4	0.045	ND	1.4	0.045
2-Hexanone	ND	0.82	0.050	0.42 J	0.82	0.050	ND	0.82	0.050	0.29 J	0.82	0.050
Dibromochloromethane	ND	1.7	0.25	0.90 J	1.7	0.25	ND	1.7	0.25	ND	1.7	0.25
1,2-Dibromoethane	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14	ND	1.5	0.14
Chlorobenzene	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048	ND	0.92	0.048
Ethylbenzene	0.97	0.87	0.032	0.96	0.87	0.032	0.34 J	0.87	0.032	0.41 J	0.87	0.032

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-18			N120102-19			N120102-20			N120102-21		
Client Sample I.D.:	IA_4136_2			IA_4136_3			AA_1			AA_2		
Date/Time Sampled:	11/30/22 16:22			11/30/22 16:21			11/30/22 15:17			11/30/22 14:11		
Date/Time Analyzed:	12/15/22 2:43			12/15/22 3:25			12/15/22 4:05			12/15/22 21:00		
QC Batch No.:	221214MS2A1			221214MS2A1			221214MS2A1			221215MS2A2		
Analyst Initials:	VM			VM			VM			VM		
Dilution Factor:	0.20			0.20			0.20			0.20		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
p,&m-Xylene	3.1	0.87	0.057	3.6	0.87	0.057	1.0	0.87	0.057	1.3	0.87	0.057
o-Xylene	1.1	0.87	0.042	1.2	0.87	0.042	0.41 J	0.87	0.042	0.52 J	0.87	0.042
Styrene	0.48 J	0.85	0.062	0.19 J	0.85	0.062	0.11 J	0.85	0.062	0.12 J	0.85	0.062
Bromoform	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14	ND	1.4	0.14
Benzyl Chloride	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098	ND Q	2.6	0.098
4-Ethyl Toluene	0.91 J	0.98	0.048	0.97 J	0.98	0.048	0.39 J	0.98	0.048	0.49 J	0.98	0.048
1,3,5-Trimethylbenzene	0.27 J	0.98	0.063	0.26 J	0.98	0.063	0.095 J	0.98	0.063	0.13 J	0.98	0.063
1,2,4-Trimethylbenzene	1.00	0.98	0.056	1.2	0.98	0.056	0.38 J	0.98	0.056	0.47 J	0.98	0.056
1,3-Dichlorobenzene	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14	ND	1.2	0.14
1,4-Dichlorobenzene	ND	1.2	0.13	ND	1.2	0.13	ND	1.2	0.13	ND	1.2	0.13
1,2-Dichlorobenzene	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15	ND	1.5	0.15
Hexachlorobutadiene	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19	ND	2.1	0.19
Surrogate	Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria		Result % Rec	QC Criteria	
1,2-Dichloroethane-d4	75	70-130		76	70-130		77	70-130		81	70-130	
Toluene-d8	90	70-130		93	70-130		93	70-130		91	70-130	
4-Bromofluorobenzene	99	70-130		100	70-130		100	70-130		101	70-130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-22
Client Sample I.D.:	AA_3
Date/Time Sampled:	11/30/22 15:07
Date/Time Analyzed:	12/15/22 21:42
QC Batch No.:	221215MS2A2
Analyst Initials:	VM
Dilution Factor:	0.20

ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	2.0	0.99	0.038
Chloromethane	1.3	0.83	0.12
1,2-Cl-1,1,2,2-F ethane (114)	0.087 J	1.4	0.069
Vinyl Chloride	ND	0.51	0.087
Bromomethane	0.20 J	0.78	0.18
Chloroethane	ND	1.1	0.10
Trichlorofluoromethane (11)	1.0 J	1.1	0.14
1,1-Dichloroethene	ND	0.79	0.060
Carbon Disulfide	3.5	1.2	0.048
1,1,2-Cl 1,2,2-F ethane (113)	0.47 J	1.5	0.23
Acetone	12	0.95	0.26
Methylene Chloride	0.43 J	0.69	0.096
t-1,2-Dichloroethene	ND	0.79	0.083
1,1-Dichloroethane	ND	0.81	0.075
Vinyl Acetate	ND	0.70	0.11
c-1,2-Dichloroethene	ND	0.79	0.11
2-Butanone	5.8	0.59	0.019
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.13
Chloroform	0.056 J	0.98	0.040
1,1,1-Trichloroethane	ND	1.1	0.046
Carbon Tetrachloride	0.35 J	1.3	0.065
Benzene	0.83	0.64	0.11
1,2-Dichloroethane	ND	0.81	0.079
Trichloroethene	ND	1.1	0.059
1,2-Dichloropropane	ND	0.92	0.087
Bromodichloromethane	ND	1.3	0.079
c-1,3-Dichloropropene	ND	0.91	0.041
4-Methyl-2-Pentanone	ND	0.82	0.15
Toluene	1.7	0.75	0.033
t-1,3-Dichloropropene	ND	1.8	0.023
1,1,2-Trichloroethane	ND	1.1	0.15
Tetrachloroethene	ND	1.4	0.045
2-Hexanone	ND	0.82	0.050
Dibromochloromethane	ND	1.7	0.25
1,2-Dibromoethane	ND	1.5	0.14
Chlorobenzene	ND	0.92	0.048
Ethylbenzene	0.32 J	0.87	0.032

AirTECHNOLOGY Laboratories, Inc.
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Client: Geosyntec Consultants
Attn: Alex Rogaski
Project Name: Del Rey Assemblage ESA
Project No.: HR1863-01
Date Received: 12/01/22
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	N120102-22
Client Sample I.D.:	AA_3
Date/Time Sampled:	11/30/22 15:07
Date/Time Analyzed:	12/15/22 21:42
QC Batch No.:	221215MS2A2
Analyst Initials:	VM
Dilution Factor:	0.20

ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3
p,&m-Xylene	1.0	0.87	0.057
o-Xylene	0.41 J	0.87	0.042
Styrene	0.14 J	0.85	0.062
Bromoform	ND	2.1	0.21
1,1,2,2-Tetrachloroethane	ND	1.4	0.14
Benzyl Chloride	ND Q	2.6	0.098
4-Ethyl Toluene	0.36 J	0.98	0.048
1,3,5-Trimethylbenzene	0.10 J	0.98	0.063
1,2,4-Trimethylbenzene	0.38 J	0.98	0.056
1,3-Dichlorobenzene	ND	1.2	0.14
1,4-Dichlorobenzene	ND	1.2	0.13
1,2-Dichlorobenzene	ND	1.2	0.074
1,2,4-Trichlorobenzene	ND	1.5	0.15
Hexachlorobutadiene	ND	2.1	0.19

Surrogate	Result % Rec	QC Criteria
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	101	70-130

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
Q = Analyte exhibited low recoveries in the LCS/LCSD. Result may contain a low bias.

Reviewed/Approved By: _____ Date 12/19/22
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 221214MS2A1

Matrix: Air

Reporting Units: ug/m3

EPA Method TO15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK				LCS		LCSD					
Date/Time Analyzed:	12/14/22 13:29				12/14/22 11:40		12/14/22 12:16					
Analyst Initials:	DT				DT		DT					
Dilution Factor:	0.20				1.0		1.0					
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	AMT. ug/m3	Result ug/m3	% Rec.	Result ug/m3	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Dichlorodifluoromethane (12)	ND	0.99	0.15	49	43.7	88.4	45.4	91.9	3.8	70	130	30.0
Chloromethane	ND	0.83	0.091	21	23.5	114	24.6	119	4.5	70	130	30.0
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.4	0.28	70	71.4	102	73.3	105	2.7	70	130	30.0
Vinyl Chloride	ND	0.52	0.083	26	27.6	108	28.2	110	2.0	70	130	30.0
Bromomethane	ND	0.78	0.23	39	48.4	125	51.2	132 *	5.7	70	130	30.0
Chloroethane	ND	0.53	0.44	26	32.8	124	31.1	118	5.4	70	130	30.0
Trichlorofluoromethane (11)	ND	1.1	0.24	56	47.6	84.8	50.7	90.2	6.2	70	130	30.0
1,1-Dichloroethene	ND	0.80	0.18	40	38.6	97.5	41.9	106	8.2	70	130	30.0
Carbon Disulfide	0.19 J	3.1	0.15	31	34.9	111	35.7	114	2.3	70	130	30.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.5	0.41	77	78.3	102	82.8	108	5.6	70	130	30.0
Acetone	0.49 J	2.4	0.14	24	24.0	98.9	24.4	101	1.7	70	130	30.0
Methylene Chloride	ND	0.69	0.20	35	37.5	108	38.5	111	2.7	70	130	30.0
t-1,2-Dichloroethene	ND	0.80	0.24	40	43.5	110	45.8	115	5.0	70	130	30.0
1,1-Dichloroethane	ND	0.80	0.11	40	41.9	103	44.8	111	6.7	70	130	30.0
Vinyl Acetate	ND	3.5	0.14	35	44.9	128	45.8	130	1.8	70	130	30.0
c-1,2-Dichloroethene	ND	0.80	0.15	40	46.1	116	47.5	120	3.2	70	130	30.0
2-Butanone	ND	0.59	0.36	29	35.5	120	37.7	128	6.1	70	130	30.0
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.16	36	40.0	111	42.3	117	5.5	70	130	30.0
Chloroform	ND	0.98	0.14	49	46.1	94.4	48.3	99.0	4.8	70	130	30.0
1,1,1-Trichloroethane	ND	1.1	0.11	55	50.9	93.3	52.3	95.9	2.7	70	130	30.0
Carbon Tetrachloride	ND	1.3	0.22	63	54.9	87.3	57.3	91.1	4.3	70	130	30.0
Benzene	0.39 J	0.64	0.061	32	36.7	114	35.5	110	3.2	70	130	30.0
1,2-Dichloroethane	ND	0.80	0.060	40	31.8	78.5	31.7	78.2	0.4	70	130	30.0
Trichloroethene	ND	1.1	0.15	54	53.6	99.7	52.8	98.2	1.4	70	130	30.0
1,2-Dichloropropane	ND	0.92	0.17	46	49.1	106	48.2	104	1.9	70	130	30.0
Bromodichloromethane	ND	1.3	0.081	67	57.1	85.2	56.6	84.5	0.8	70	130	30.0
c-1,3-Dichloropropene	ND	0.91	0.11	45	49.2	108	48.8	107	0.9	70	130	30.0
4-Methyl-2-Pentanone	ND	0.82	0.055	41	44.8	109	43.7	107	2.5	70	130	30.0
Toluene	0.20 J	0.76	0.060	38	41.5	110	40.3	106	2.8	70	130	30.0
t-1,3-Dichloropropene	ND	0.91	0.094	45	49.7	110	51.4	113	3.3	70	130	30.0
1,1,2-Trichloroethane	ND	1.1	0.18	55	52.3	95.8	53.4	97.8	2.0	70	130	30.0
Tetrachloroethene	ND	1.4	0.16	68	62.5	92.1	64.3	94.8	2.8	70	130	30.0
2-Hexanone	ND	0.82	0.17	41	45.1	110	46.3	113	2.6	70	130	30.0
Dibromochloromethane	ND	1.7	0.31	85	74.9	87.9	78.6	92.2	4.8	70	130	30.0
1,2-Dibromoethane	ND	1.5	0.14	77	74.5	97.0	78.6	102	5.3	70	130	30.0
Chlorobenzene	ND	0.92	0.072	46	45.2	98.2	46.5	101	2.9	70	130	30.0
Ethylbenzene	ND	0.86	0.050	43	45.4	104	47.0	108	3.5	70	130	30.0
p,&m-Xylene	0.20 J	0.86	0.098	87	94.1	108	96.4	111	2.5	70	130	30.0
o-Xylene	ND	0.86	0.11	43	44.4	102	45.8	105	3.0	70	130	30.0

AirTECHNOLOGY Laboratories, Inc.
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LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 221214MS2A1

Matrix: Air

Reporting Units: ug/m3

EPA Method TO15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK				LCS		LCSD					
Date/Time Analyzed:	12/14/22 13:29				12/14/22 11:40		12/14/22 12:16					
Analyst Initials:	DT				DT		DT					
Dilution Factor:	0.20				1.0		1.0					
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	AMT. ug/m3	Result ug/m3	% Rec.	Result ug/m3	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Styrene	ND	0.85	0.11	43	47.9	112	48.2	113	0.6	70	130	30.0
Bromoform	ND	2.1	0.12	100	96.0	92.9	98.5	95.3	2.6	70	130	30.0
1,1,2,2-Tetrachloroethane	ND	2.7	0.084	69	64.9	94.6	67.2	97.8	3.4	70	130	30.0
Benzyl Chloride	ND	1.0	0.19	52	33.2	64.2 *	33.8	65.3 *	1.8	70	130	30.0
4-Ethyl Toluene	ND	0.98	0.062	49	53.3	108	53.6	109	0.5	70	130	30.0
1,3,5-Trimethylbenzene	ND	2.0	0.17	49	49.4	101	52.4	107	5.8	70	130	30.0
1,2,4-Trimethylbenzene	ND	2.0	0.11	49	50.4	103	52.5	107	4.0	70	130	30.0
1,3-Dichlorobenzene	ND	1.2	0.15	60	57.7	96.0	57.8	96.2	0.2	70	130	30.0
1,4-Dichlorobenzene	ND	1.2	0.18	60	56.5	93.9	58.7	97.7	3.9	70	130	30.0
1,2-Dichlorobenzene	ND	1.2	0.15	60	57.8	96.1	58.1	96.6	0.5	70	130	30.0
1,2,4-Trichlorobenzene	ND	3.0	0.25	74	74.1	99.8	78.1	105	5.3	70	130	30.0
Hexachlorobutadiene	ND	2.1	0.13	110	99.1	92.9	110	103	10.3	70	130	30.0
Surrogate	Result % Rec.					Result % Rec.		Result % Rec.		Surrogate QC Criteria		
1,2-Dichloroethane-d4	74					75		75		70	130	
Toluene-d8	91					94		89		70	130	
4-Bromofluorobenzene	100					98		101		70	130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Outside of QC Criteria

Reviewed/Approved By: _____ Date 12/19/22

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
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LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 221215MS2A2

Matrix: Air

Reporting Units: ug/m3

EPA Method TO15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK				LCS		LCSD					
Date/Time Analyzed:	12/15/22 15:09				12/15/22 13:22		12/15/22 13:57					
Analyst Initials:	DT				DT		DT					
Dilution Factor:	0.20				1.0		1.0					
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	AMT. ug/m3	Result ug/m3	% Rec.	Result ug/m3	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Dichlorodifluoromethane (12)	ND	0.99	0.15	49	47.9	96.8	47.3	95.6	1.2	70	130	30.0
Chloromethane	ND	0.83	0.091	21	22.9	111	22.3	108	2.4	70	130	30.0
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.4	0.28	70	73.6	105	72.7	104	1.2	70	130	30.0
Vinyl Chloride	ND	0.52	0.083	26	27.7	108	26.9	105	3.0	70	130	30.0
Bromomethane	ND	0.78	0.23	39	47.4	122	47.6	123	0.4	70	130	30.0
Chloroethane	ND	0.53	0.44	26	30.9	117	30.8	117	0.2	70	130	30.0
Trichlorofluoromethane (11)	ND	1.1	0.24	56	53.9	95.9	53.5	95.2	0.7	70	130	30.0
1,1-Dichloroethene	ND	0.80	0.18	40	42.9	108	42.8	108	0.1	70	130	30.0
Carbon Disulfide	ND	3.1	0.15	31	34.0	109	34.4	111	1.2	70	130	30.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.5	0.41	77	82.8	108	80.0	104	3.4	70	130	30.0
Acetone	0.36 J	2.4	0.14	24	23.9	99.1	23.8	98.5	0.6	70	130	30.0
Methylene Chloride	ND	0.69	0.20	35	39.9	115	38.3	110	4.3	70	130	30.0
t-1,2-Dichloroethene	ND	0.80	0.24	40	46.2	117	44.9	113	2.9	70	130	30.0
1,1-Dichloroethane	ND	0.80	0.11	40	45.1	111	45.5	112	0.8	70	130	30.0
Vinyl Acetate	ND	3.5	0.14	35	43.1	122	41.3	117	4.4	70	130	30.0
c-1,2-Dichloroethene	ND	0.80	0.15	40	48.0	121	47.0	119	2.1	70	130	30.0
2-Butanone	ND	0.59	0.36	29	36.0	122	35.8	121	0.7	70	130	30.0
t-Butyl Methyl Ether (MTBE)	ND	0.72	0.16	36	41.6	116	41.3	115	0.9	70	130	30.0
Chloroform	ND	0.98	0.14	49	50.2	103	48.9	100	2.6	70	130	30.0
1,1,1-Trichloroethane	ND	1.1	0.11	55	53.7	98.4	52.8	96.8	1.7	70	130	30.0
Carbon Tetrachloride	ND	1.3	0.22	63	56.7	90.2	56.6	89.9	0.3	70	130	30.0
Benzene	0.077 J	0.64	0.061	32	34.8	109	34.8	109	0.1	70	130	30.0
1,2-Dichloroethane	ND	0.80	0.060	40	35.9	88.7	35.6	87.9	0.9	70	130	30.0
Trichloroethene	ND	1.1	0.15	54	56.2	105	56.0	104	0.3	70	130	30.0
1,2-Dichloropropane	ND	0.92	0.17	46	49.8	108	47.3	102	5.1	70	130	30.0
Bromodichloromethane	ND	1.3	0.081	67	61.3	91.5	61.2	91.3	0.2	70	130	30.0
c-1,3-Dichloropropene	ND	0.91	0.11	45	49.5	109	49.4	109	0.1	70	130	30.0
4-Methyl-2-Pentanone	ND	0.82	0.055	41	44.6	109	44.5	109	0.3	70	130	30.0
Toluene	ND	0.76	0.060	38	40.4	107	40.3	107	0.2	70	130	30.0
t-1,3-Dichloropropene	ND	0.91	0.094	45	51.5	113	51.4	113	0.2	70	130	30.0
1,1,2-Trichloroethane	ND	1.1	0.18	55	53.5	98.0	53.3	97.6	0.4	70	130	30.0
Tetrachloroethene	ND	1.4	0.16	68	66.8	98.5	66.2	97.5	1.0	70	130	30.0
2-Hexanone	ND	0.82	0.17	41	46.3	113	46.3	113	0.0	70	130	30.0
Dibromochloromethane	ND	1.7	0.31	85	82.1	96.3	82.3	96.6	0.3	70	130	30.0
1,2-Dibromoethane	ND	1.5	0.14	77	82.3	107	80.6	105	2.0	70	130	30.0
Chlorobenzene	ND	0.92	0.072	46	47.5	103	47.3	103	0.5	70	130	30.0
Ethylbenzene	ND	0.86	0.050	43	47.9	110	48.3	111	1.0	70	130	30.0
p,&m-Xylene	ND	0.86	0.098	87	99.8	115	100	115	0.4	70	130	30.0
o-Xylene	ND	0.86	0.11	43	47.2	109	47.6	110	0.8	70	130	30.0

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LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 221215MS2A2

Matrix: Air

Reporting Units: ug/m3

EPA Method TO15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK				LCS		LCSD					
Date/Time Analyzed:	12/15/22 15:09				12/15/22 13:22		12/15/22 13:57					
Analyst Initials:	DT				DT		DT					
Dilution Factor:	0.20				1.0		1.0					
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	AMT. ug/m3	Result ug/m3	% Rec.	Result ug/m3	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Styrene	ND	0.85	0.11	43	49.0	115	49.3	116	0.7	70	130	30.0
Bromoform	ND	2.1	0.12	100	98.0	94.8	97.9	94.7	0.1	70	130	30.0
1,1,2,2-Tetrachloroethane	ND	2.7	0.084	69	67.9	98.9	69.2	101	1.9	70	130	30.0
Benzyl Chloride	ND	1.0	0.19	52	32.1	62.0 *	31.0	59.8 *	3.5	70	130	30.0
4-Ethyl Toluene	ND	0.98	0.062	49	56.4	115	57.1	116	1.2	70	130	30.0
1,3,5-Trimethylbenzene	ND	2.0	0.17	49	54.1	110	54.6	111	1.0	70	130	30.0
1,2,4-Trimethylbenzene	ND	2.0	0.11	49	55.3	112	55.7	113	0.7	70	130	30.0
1,3-Dichlorobenzene	ND	1.2	0.15	60	60.2	100	61.5	102	2.1	70	130	30.0
1,4-Dichlorobenzene	ND	1.2	0.18	60	60.3	100	60.7	101	0.7	70	130	30.0
1,2-Dichlorobenzene	ND	1.2	0.15	60	61.9	103	62.0	103	0.2	70	130	30.0
1,2,4-Trichlorobenzene	ND	3.0	0.25	74	78.5	106	82.2	111	4.5	70	130	30.0
Hexachlorobutadiene	ND	2.1	0.13	110	114	107	119	111	3.6	70	130	30.0
Surrogate	Result % Rec.					Result % Rec.		Result % Rec.		Surrogate QC Criteria		
1,2-Dichloroethane-d4	79					82		80		70	130	
Toluene-d8	89					91		90		70	130	
4-Bromofluorobenzene	101					102		101		70	130	

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Outside of QC Criteria

Reviewed/Approved By: _____ Date 12/19/22

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

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APPENDIX 8

Example SMMP Table of Contents

EXAMPLE SOIL AND MATERIALS MANAGEMENT PLAN

TABLE OF CONTENTS

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LIST OF TABLES and EXHIBITS/FIGURES